Supplement 4: Disclosure of Interest Forms for Panelists

- Pantep Angchaisuksiri, MD (Ramathibodi Hospital, Mahidol University, Bangkok, Thailand)
- Clifton Blair (Union, New Jersey) / Patient Representative
- Bryson, Kaitlan (Clover, South Carolina) / Patient Representative *
- Adam Cuker, MD, MS (University of Pennsylvania) / Clinical Co-chair
- Kathryn E. Dane, PharmD (Johns Hopkins Hospital)
- Jennifer Davila, MD (Children's Hospital at Montefiore)
- Maria DeSancho, MD, MSc (Weill Cornell Medicine)
- David L. Diuguid, MD (Columbia University)
- Daniel Griffin, MD, PhD (Columbia University and ProHealth Care, New Hyde Park, NY)
- Susan R. Kahn, MD, MSc (McGill University)
- Frederikus A. Klok, MD, PhD (Leiden University Medical Center Einthoven Laboratory)
- Alfred Ian Lee, MD, PhD (Yale School of Medicine)
- Reem Mustafa, MD, PhD, MPH (University of Kansas) / Methodology Co-chair
- Ignacio Neumann, MD, PhD (Pontificia Universidad Católica de Chile, Santiago, Chile)
- Ashok Pai, MD (Kaiser Permanente, Oakland Medical Center)
- Menaka Pai, MD, MSc (McMaster University) / Ex Officio, Guideline Oversight Subcommittee
- Marc Righini, MD (University of Geneva, Switzerland)
- Kristen M. Sanfilippo, MD, MPH (Washington University in St. Louis)
- Holger Schünemann, MD, PhD (McMaster University) / Methodology Co-chair
- Deborah Siegal, MD, MSc (Ottawa Hospital)
- Mike Skara (Cottage Grove, Minnesota) / Patient Representative
- Kamshad Touri (Ontario, Canada) / Patient Representative
- Eric K. Tseng, MD, MSc (St. Michael's Hospital, Toronto) / Writer
* Stopped participating after June 24, 2020.
ASH Clinical Practice Guidelines
Participant Information

Pantep Angchaisuksiri, MD
Professor of Medicine
Ramathibodi Hospital, Mahidol University
Bangkok, Thailand

Project
ASH Clinical Practice Guidelines on Anticoagulation in Patients With COVID-19

Role
Member of Guideline Panel

Profile
Dr. Angchaisuksiri is an Adjunct Associate Professor of Medicine at the University of North Carolina at Chapel Hill and the Co-Director of the Bangkok International Hemophilia Training Centre of the World Federation of Hemophilia. His clinical focus is on patients with thrombosis, hemophilia and other bleeding disorders, and his research focus is on treatment of venous thromboembolism and hemophilia. Dr. Angchaisuksiri is an executive council member of the Asian-Pacific Society on Thrombosis and Hemostasis, and brings an Asian perspective to these guidelines

[July 7, 2020 profile approved by Dr. Angchaisuksiri]

Disclosures Prior to Participation

<table>
<thead>
<tr>
<th>Direct Financial Interests (End Date)</th>
<th>Check if for spouse</th>
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<td>None in past 24 months (June 20, 2020)</td>
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<tbody>
<tr>
<td>Local investigator for research funded by Novo Nordisk about Concizumab clinical trial in hemophilia A (ongoing)</td>
<td></td>
</tr>
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<tr>
<td>----------------------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Local investigator for research funded by Spark Therapeutics about Gene therapy clinical trial in hemophilia A (ongoing)</td>
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</table>

<table>
<thead>
<tr>
<th>Other (End Date)</th>
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</thead>
<tbody>
<tr>
<td>Clinical specialty: Hematology</td>
<td></td>
</tr>
</tbody>
</table>

**Agreement to Conflict of Interest Policies and Attestations**  
Section 2

On June 26, 2020, Dr. Angchaisuksiri agreed to adhere to the policies described herein. No special management considerations, including requirement for recusal.

On September 1, 2020, Dr. Angchaisuksiri agreed to adhere to the policies described herein. No special management considerations, including requirement for recusal.

**Disclosures During Participation**  
Section 3

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description and Date</th>
<th>Management</th>
</tr>
</thead>
</table>

**Participation History**  
Section 4
Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**
A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest

**Financial interest**
A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity

**Direct financial interest**
A financial interest that is owned by the individual or received directly by the individual

**Indirect financial interest**
A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution

**For-profit healthcare company**
“A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

   ☒ No
   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☐ No

☐ Yes, as described below:

Add rows as needed for each equity interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☐ No

☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
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<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
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</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☐ No

☐ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

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<th>Company</th>
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</tr>
</thead>
</table>

**My Partner’s or Spouse’s Interests**
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?
   ☒ No
   ☐ Yes, as described below:

Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

**Other Relevant Direct Financial Interests**
6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?
   ☒ No
   ☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☐ No
☒ Yes, as described below:

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Novo Nordisk</td>
<td>Concizumab clinical trial in hemophilia A</td>
<td>Local investigator</td>
<td>ongoing</td>
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<tr>
<td>Spark Therapeutics</td>
<td>Gene therapy clinical trial in hemophilia A</td>
<td>Local investigator</td>
<td>ongoing</td>
<td></td>
</tr>
</tbody>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

Column 1   Name the organization. If known to you, describe any industry funding or support.

Column 2   Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services.

Column 3   Indicate if your activity was paid or volunteered.

Column 4   Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each organization.
Other Relevant Indirect Financial Interests

3. Do you have other indirect financial interests with any: (i) for-profit healthcare company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   ☒ No
   ☐ Yes
   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   ☒ No
   ☐ Yes
   If yes, what were those views and where were they made?

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   ☒ No
   ☐ Yes, as described below:

   Column 1  Name the entity funding the research.
   Column 2  Describe the research project.
   Column 3  Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.
   Column 4  Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each research project.
Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?
   ☒ No
   ☐ Yes
   ☐ Don’t know

   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   ☒ No
   ☐ Yes
   ☐ Don’t know

   If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?
   ☒ No
   ☐ Yes
   ☐ Don’t know

   If yes, please explain:

Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution? I would receive good support from my institution.

Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?
☐ No
☐ Yes, as described below:

Column 1  Name the organization.
Column 2  Describe or reference the relevant policy, position, or guidelines.
Column 3  Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines.

Add rows as needed for each organization.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Relevant Policy Position</th>
<th>Your Role</th>
</tr>
</thead>
</table>

Clinical Practice
9. Do you see patients clinically?
  ☑ Yes

If yes, what is your primary specialty or subspecialty?
Hematology

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☐ No
☐ Yes

If yes, please explain:

Other
10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☐ No
☐ Yes

If yes, please describe:
Expected Interests

11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th>Policy</th>
<th>Initials</th>
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<tbody>
<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>PA</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>PA</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>PA</td>
</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
<td>PA</td>
</tr>
<tr>
<td>• Any direct financial interest of myself or my partner or spouse in any for-profit healthcare company or companies, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
<td>PA</td>
</tr>
<tr>
<td>• Any noneducational speaking by myself on behalf of any for-profit healthcare company (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
<td>PA</td>
</tr>
<tr>
<td>• Consulting or advising about the marketing of products by any for-profit healthcare company (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
<td>PA</td>
</tr>
<tr>
<td>• Simultaneous participation on guidelines by another organization on the same topic</td>
<td>PA</td>
</tr>
<tr>
<td>• Any undisclosed financial interest in any for-profit healthcare company occurring in the 24 months prior to my participation on these guidelines</td>
<td>PA</td>
</tr>
<tr>
<td>I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.</td>
<td>PA</td>
</tr>
<tr>
<td>At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.</td>
<td>PA</td>
</tr>
<tr>
<td>I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.</td>
<td>PA</td>
</tr>
<tr>
<td>---</td>
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</tr>
<tr>
<td>I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.</td>
<td>PA</td>
</tr>
</tbody>
</table>

Agreed by: Pantep Angchaisuksiri  
Date: June 20, 2020  
Disclosures reviewed by: Russell (ASH Staff), Pai (GOS)  
Participation approved by: Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee  
Date: June 26, 2020
## Section 3. Disclosures During Participation

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<th>Company</th>
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## Section 4. Participation History

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<tr>
<td>Receive orientation.</td>
<td>June 24, 2020</td>
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</tr>
<tr>
<td>Prioritize guideline questions.</td>
<td>July 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review available evidence.</td>
<td>September 30, 2020</td>
<td>Yes</td>
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<tr>
<td>Form recommendations.</td>
<td>October 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review public comments.</td>
<td>October 27, 2020</td>
<td>Yes</td>
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<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>Yes</td>
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# Clifton Blair

**Patient Representative**  
Union, New Jersey

## Project

ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

## Role

Member of Guideline Panel

## Profile

Mr. Blair is a project manager of a technology company. He has prior experience with medical research. He brings a unique patient perspective to this guideline. His father was a surgeon who studied at Johns Hopkins.

[July 6, 2020 profile approved by Mr. Blair]

## Disclosures Prior to Participation

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<td><strong>Direct Financial Interests (End Date)</strong></td>
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<td><strong>Indirect Financial Interests (End Date)</strong></td>
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<td>None in past 24 months (June 21, 2020)</td>
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<tr>
<td><strong>Other (End Date)</strong></td>
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</tr>
</tbody>
</table>

Section 1
Agreement to Conflict of Interest Policies and Attestations

On June 21, 2020, Mr. Blair agreed to adhere to the policies described herein. No special management considerations, including requirement for recusal.

On September 2, 2020, Mr. Blair agreed to adhere to the policies described herein. No special management considerations, including requirement for recusal.

Disclosures During Participation

<table>
<thead>
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<th>Description and Date</th>
<th>Management</th>
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<tbody>
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Participation History
Section 1. Disclosures Prior to Participation

Definitions

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A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest.

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A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity.

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Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

☐ No

☐ Yes, as described below:

Add rows as needed for each employment relationship.

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Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☑ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

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Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☑ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

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Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☑ No
☐ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

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</table>

**My Partner’s or Spouse’s Interests**

5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

- ☒ No
- ☐ Yes, as described below:

Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
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</table>

**Other Relevant Direct Financial Interests**

6. Do you have other current or recent (within the past 24 months) **direct financial interests** with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

- ☒ No
- ☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☒ No

☐ Yes, as described below:

Column 1 Name the company funding or supporting the research.

Column 2 Briefly describe the research project.

Column 3 Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.

Column 4 Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each research project.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
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</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No

☐ Yes, as described below:

Column 1 Name the organization. If known to you, describe any industry funding or support.

Column 2 Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services.

Column 3 Indicate if your activity was paid or volunteered.

Column 4 Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each organization.
Other Relevant Indirect Financial Interests

3. Do you have other **indirect financial interests** with any: (i) **for-profit healthcare** company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☑ No

☐ Yes

*If yes, please explain:*
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?

☒ No
☐ Yes

If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?

☒ No
☐ Yes

If yes, what were those views and where were they made?

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?

☒ No
☐ Yes, as described below:

| Column 1 | Name the entity funding the research. |
| Column 2 | Describe the research project. |
| Column 3 | Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe. |
| Column 4 | Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”) |

Add rows as needed for each research project.
Institutional Relationships
4. Could your compensation be affected by recommendations on this topic?
   ☒ Don’t know
   ☐ No
   ☐ Yes
   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   ☒ Don’t know
   ☐ No
   ☒ Yes
   If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?
   ☐ Don’t know
   ☒ No
   ☐ Yes
   If yes, please explain:

Career Advancement
7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?

Involvement in Organizations With Relevant Policies, Positions, or Guidelines
8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?
☒ No
☐ Yes, as described below:

**Column 1** Name the organization.

**Column 2** Describe or reference the relevant policy, position, or guidelines.

**Column 3** Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines.

Add rows as needed for each organization.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Relevant Policy Position</th>
<th>Your Role</th>
</tr>
</thead>
</table>

**Clinical Practice**

9. Do you see patients clinically?

☒ No
☐ Yes

If yes, what is your primary specialty or subspecialty?

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☐ No
☐ Yes

If yes, please explain:

**Other**

10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:
Expected Interests

11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th>Policy</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>CB</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>CB</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>CB</td>
</tr>
</tbody>
</table>
| Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:  
  - Any direct financial interest of myself or my partner or spouse in any for-profit healthcare company or companies, if such interests in aggregate may be reasonably valued to be >$5,000/year, regardless of relevance to the guidelines  
  - Any noneducational speaking by myself on behalf of any for-profit healthcare company (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines  
  - Consulting or advising about the marketing of products by any for-profit healthcare company (e.g., service on a company “advisory board”), regardless of relevance to the guidelines  
  - Simultaneous participation on guidelines by another organization on the same topic  
  - Any undisclosed financial interest in any for-profit healthcare company occurring in the 24 months prior to my participation on these guidelines | CB       |
| I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship. | CB       |
| At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation. | CB       |
I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.  

I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.  

<table>
<thead>
<tr>
<th>Individual Exceptions to the Above</th>
<th>Initials</th>
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<tbody>
<tr>
<td>[I agree or understand...describe exceptions here, if allowed...e.g., agreement to allow a specific interest such as working for a specific company, stock ownership, etc. Delete this table if no exceptions allowed.]</td>
<td>CB</td>
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</table>

Agreed by Clifton Blair  
Date 06/24/2020  
Disclosures reviewed by Russell (ASH Staff), Pai (GOS)  
Participation approved by Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee  
Date June 26, 2020
Section 3. Disclosures During Participation

<table>
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<th>Company</th>
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### Section 4. Participation History

<table>
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<tr>
<th>Description</th>
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<th>Participated?</th>
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<tbody>
<tr>
<td>Receive orientation.</td>
<td>June 30, 2020</td>
<td>Yes</td>
</tr>
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<td>July 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review available evidence.</td>
<td>September 30, 2020</td>
<td>Yes</td>
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<tr>
<td>Form recommendations.</td>
<td>October 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review public comments.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>Yes</td>
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</table>
Kaitlan Bryson
Patient Representative
Clover, South Carolina

Project
ASH Clinical Practice Guidelines on Anticoagulation in Patients With COVID-19

Role
Member of Guideline Panel

Profile
Kaitlan Bryson is a 22-year-old student studying computer technology. She has a very active 9-month-old son. They enjoy long walks, reading, and music. Ms. Bryson is also a patient who currently has Crohn’s disease and survived DVTs and Covid-19.

[July 6, 2020 profile approved by Ms. Bryson]

Disclosures Prior to Participation

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<th>Direct Financial Interests (End Date)</th>
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<table>
<thead>
<tr>
<th>Other (End Date)</th>
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<tbody>
<tr>
<td>None in past 24 months (June 25, 2020)</td>
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</tr>
</tbody>
</table>
Agreement to Conflict of Interest Policies and Attestations

On June 25, 2020, Ms. Bryson agreed to adhere to the policies described herein. No special management considerations, including requirement for recusal.

Disclosures During Participation

<table>
<thead>
<tr>
<th>Disclosed</th>
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<th>Management</th>
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Participation History
Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**
A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest.

**Financial interest**
A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity.

**Direct financial interest**
A financial interest that is owned by the individual or received directly by the individual.

**Indirect financial interest**
A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution.

**For-profit healthcare company**
“A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

☒ No
☐ Yes, as described below:

Add rows as needed for each employment relationship.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☐ No

☐ Yes, as described below:

Add rows as needed for each equity interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☐ No

☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
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</tr>
</thead>
</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☐ No

☐ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

<table>
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</thead>
</table>

**My Partner’s or Spouse’s Interests**

5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☒ No

☐ Yes, as described below:

Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
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</thead>
</table>

**Other Relevant Direct Financial Interests**

6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

| Column 1 | Name the company funding or supporting the research. |
| Column 2 | Briefly describe the research project. |
| Column 3 | Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe. |
| Column 4 | Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”) |

Add rows as needed for each research project.

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

| Column 1 | Name the organization. If known to you, describe any industry funding or support. |
| Column 2 | Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services. |
| Column 3 | Indicate if your activity was paid or volunteered. |
| Column 4 | Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”) |

Add rows as needed for each organization.
### Other Relevant Indirect Financial Interests

3. Do you have other **indirect financial interests** with any: (i) **for-profit healthcare** company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

- ☒ No
- ☐ Yes

*If yes, please explain:*
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs

1. Do you have strongly held beliefs related to the topic of these guidelines?

☐ No
☐ Yes

If yes, please explain:

Previously Published Opinions

2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?

☐ No
☐ Yes

If yes, what were those views and where were they made?

Non-Industry Supported Research

3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?

☐ No
☐ Yes, as described below:

<table>
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<tr>
<th>Column 1</th>
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Add rows as needed for each research project.
Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?

☐ Don’t know
☒ No
☐ Yes

If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?

☐ Don’t know
☒ No
☐ Yes

If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?

☐ Don’t know
☒ No
☐ Yes

If yes, please explain:

Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?

Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?
☒ No
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**Clinical Practice**
9. Do you see patients clinically?
   ☒ No
   ☐ Yes

If yes, what is your primary specialty or subspecialty?

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?
   ☒ No
   ☐ Yes

If yes, please explain:

**Other**
10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?
   ☒ No
   ☐ Yes

If yes, please describe:
Expected Interests

11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

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<td>• Any direct financial interest of myself or my partner or spouse in any for-profit healthcare company or companies, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
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<td>---</td>
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Agreed by [Kaitlan Bryson]

Date [6/19/2020]

Disclosures reviewed by Russell (ASH staff), Pai (GOS)

Participation approved by Pai, on behalf of ASH Guideline Oversight Subcommittee

Date July 2, 2020
### Section 3. Disclosures During Participation

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<th>Description</th>
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<th>Participated?</th>
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<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>No</td>
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</table>
Adam Cuker, MD, MS

Associate Professor of Medicine at the Hospital of the University of Pennsylvania
Perelman School of Medicine, University of Pennsylvania
Philadelphia, Pennsylvania, United States

Project
ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

Role
Clinical Co-chair of Guideline Panel

Profile
Dr. Cuker is a hematologist specializing in hemostasis and thrombosis at the University of Pennsylvania. He has clinical and research expertise in thrombosis, and an interest in guideline methodology. He is a member of ASH’s Guideline Oversight Subcommittee and Committee on Quality.

[June 16, 2020 profile approved by Dr. Cuker]

Disclosures Prior to Participation

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<tr>
<td>Local principal investigator for research study on Warm AIHA funded by Alexion. (ongoing)</td>
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<tr>
<td>Local principal investigator for research studies on ITP funded by Novartis and Takeda, respectively. (ongoing)</td>
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</table>
Local principal investigator for research studies on hemophilia, each funded by Pfizer, Novo Nordisk, and Spark, respectively. (ongoing)

Other (End Date)
Clinical specialty: Hematology, hemostasis and thrombosis
Previous published opinions on COVID-19 and coagulation. See Section 1, Part C, for list.
Coauthor of guidelines on anticoagulation in patients with COVID-19 developed for the AC Forum (PMID 32440883)

Agreement to Conflict of Interest Policies and Attestations
On June 7, 2020, Dr. Cuker agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.
On August 31, 2020, Dr. Cuker agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

Disclosures During Participation

Participation History
Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**
A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest

**Financial interest**
A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity

**Direct financial interest**
A financial interest that is owned by the individual or received directly by the individual

**Indirect financial interest**
A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution

**For-profit healthcare company**
“A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

**Employment With For-Profit Healthcare Companies**

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

   ☒ No

   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☒ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

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<tr>
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</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

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<tr>
<th>Company</th>
<th>Description</th>
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Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☒ No
☐ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

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</table>

My Partner’s or Spouse’s Interests

5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☒ No
☐ Yes, as described below:

Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
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</table>

Other Relevant Direct Financial Interests

6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☐ No
☒ Yes, as described below:

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alexion</td>
<td>Warm AIHA</td>
<td>Local PI</td>
<td>Current</td>
<td></td>
</tr>
<tr>
<td>Novartis</td>
<td>ITP</td>
<td>Local PI</td>
<td>Current</td>
<td></td>
</tr>
<tr>
<td>Novo Nordisk</td>
<td>Hemophilia</td>
<td>Local PI</td>
<td>Current</td>
<td></td>
</tr>
<tr>
<td>Pfizer</td>
<td>Hemophilia</td>
<td>Local PI</td>
<td>Current</td>
<td></td>
</tr>
<tr>
<td>Spark</td>
<td>Hemophilia</td>
<td>Local PI</td>
<td>Current</td>
<td></td>
</tr>
<tr>
<td>Takeda</td>
<td>TTP</td>
<td>Local PI</td>
<td>Current</td>
<td></td>
</tr>
</tbody>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

| Column 1 | Name the organization. If known to you, describe any industry funding or support. |
| Column 2 | Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services. |
| Column 3 | Indicate if your activity was paid or volunteered. |
Column 4  Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each organization.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Description and role</th>
<th>Paid or Unpaid?</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Other Relevant Indirect Financial Interests

3. Do you have other indirect financial interests with any: (i) for-profit healthcare company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   - No
   - Yes
   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   - No
   - Yes
   If yes, what were those views and where were they made?
   Multiple views as expressed in (1) PMID 32440883 and (2) Cuker & Pevandi, UpToDate, "Coronavirus Disease 2019 (COVID-19): Hypercoagulability"

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   - No
   - Yes, as described below:

<table>
<thead>
<tr>
<th>Funder</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?
   ☒ No
   ☐ Don’t know
   ☐ Yes
   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   ☒ Yes
   ☐ Don’t know
   ☐ No
   ☐ Yes
   If yes, please explain:
   I see patients with COVID-19-associated thrombosis and my institution bills for these visits.

6. Could your institution benefit or be harmed by guidelines on this topic?
   ☒ No
   ☐ Don’t know
   ☐ Yes
   If yes, please explain:

Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?

   I am confident that I would be supported by my institution regarding these guidelines as long as they were developed within the confines of academic integrity irrespective of their content or the reaction they receive.
Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☐ No
☒ Yes, as described below:

Column 1 Name the organization.
Column 2 Describe or reference the relevant policy, position, or guidelines.
Column 3 Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines.

Add rows as needed for each organization.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Relevant Policy Position</th>
<th>Your Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Forum</td>
<td>See PMID 32440883*</td>
<td>Co-author</td>
</tr>
</tbody>
</table>

Clinical Practice

9. Do you see patients clinically?

☐ No
☒ Yes

If yes, what is your primary specialty or subspecialty?
Hematology, hemostasis and thrombosis

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☐ No
☒ Yes

If yes, please explain:
I participate in the care of patients with suspected and confirmed COVID-19-associated thrombosis.
Other
10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☐ No
☒ Yes

If yes, please describe:

I serve as a paid consultant for Synergy CRO, a clinical research organization that specializes in safety monitoring and pharmacovigilance for clinical trials. I do not consider this a direct conflict because the company does not develop, produce, market, or distribute drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, or alleviate health conditions.

Expected Interests
11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:
### Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th><strong>Policy</strong></th>
<th><strong>Initials</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>ACC</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>ACC</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>ACC</td>
</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
<td>ACC</td>
</tr>
<tr>
<td>• Any direct financial interest of myself or my partner or spouse in any for-profit healthcare company or companies, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
<td>ACC</td>
</tr>
<tr>
<td>• Any noneducational speaking by myself on behalf of any for-profit healthcare company (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
<td>ACC</td>
</tr>
<tr>
<td>• Consulting or advising about the marketing of products by any for-profit healthcare company (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
<td>ACC</td>
</tr>
<tr>
<td>• Simultaneous participation on guidelines by another organization on the same topic</td>
<td>ACC</td>
</tr>
<tr>
<td>• Any undisclosed financial interest in any for-profit healthcare company occurring in the 24 months prior to my participation on these guidelines</td>
<td>ACC</td>
</tr>
<tr>
<td>I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.</td>
<td>ACC</td>
</tr>
<tr>
<td>At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated</td>
<td>ACC</td>
</tr>
</tbody>
</table>
disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.

I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.

I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.

<table>
<thead>
<tr>
<th>Agreed by</th>
<th>Adam Cuker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>June 7, 2020</td>
</tr>
<tr>
<td>Disclosures reviewed by</td>
<td>Russell (ASH staff), Kunkle (ASH staff), Pai (GOS)</td>
</tr>
<tr>
<td>Participation approved by</td>
<td>Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee</td>
</tr>
<tr>
<td>Date</td>
<td>June 11, 2020</td>
</tr>
</tbody>
</table>
### Section 3. Disclosures During Participation

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Disclosure Date</th>
<th>ASH Internal Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
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</table>
### Section 4. Participation History

<table>
<thead>
<tr>
<th>Description</th>
<th>End Date</th>
<th>Participated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receive orientation.</td>
<td>June 24, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Prioritize guideline questions.</td>
<td>July 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review available evidence.</td>
<td>September 30, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Form recommendations.</td>
<td>October 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review public comments.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
</tbody>
</table>
## Project
ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

## Role
Member of Guideline Panel

## Profile
Dr. Dane is a pharmacist at Johns Hopkins Hospital, specializing in benign hematology and cardiology. She has clinical and research expertise in thrombosis, and an interest in anticoagulant dosing in COVID-19 patients. She has taken a leadership role in developing anticoagulation management guidance and quality improvement initiatives for COVID-19 patients at her institution.

[June 16, 2020 profile approved by Dr. Dane]

## Disclosures Prior to Participation

<table>
<thead>
<tr>
<th>Direct Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>None in past 24 months (June 7, 2020)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Indirect Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>None in past 24 months (June 7, 2020)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical specialty: Benign hematology and cardiology clinical pharmacist</td>
<td></td>
</tr>
</tbody>
</table>
Local investigator on three research studies on COVID-19 positive patients. (ongoing; expected to end August 2020)

Agreement to Conflict of Interest Policies and Attestations  
Section 2
On June 7, 2020, Dr. Dane agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

On August 31, 2020, Dr. Dane agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

Disclosures During Participation  
Section 3

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description (End Date)</th>
<th>Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/25/2020</td>
<td>For the Society of Hospital Medicine, Dr. Dane will develop educational materials about the prophylaxis of venous thromboembolism. The project is funded by Janssen and is expected to continue for 2 years. Dr. Dane will not receive any direct payments from Janssen.</td>
<td>Disclosure only</td>
</tr>
<tr>
<td>6/29/2020</td>
<td>For Pharmacy Times Continuing Education (PTCE), Dr. Dane will develop continuing education materials about atypical hemolytic uremic syndrome. PTCE is an accredited provider of pharmacy education. This project is funded by Alexion through an educational grant. On 8/31/2020, Dr. Dane disclosed that she received $200 in indirect payments from Biogen for her participation as a peer reviewer of Pharmacy Times Continuing Education.</td>
<td>Disclosure only</td>
</tr>
</tbody>
</table>

Commented [ER1]: I changed this to indirect for accuracy.
Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**  
A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest

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Part A. Direct Financial Interests

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1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

☐ No

☐ Yes, as described below:

Add rows as needed for each employment relationship.

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Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☑ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

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Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☑ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
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<th>Company</th>
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<th>Date Divested</th>
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Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☑ No
☐ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

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My Partner’s or Spouse’s Interests
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☒ No
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Other Relevant Direct Financial Interests
6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?  

☒ No  ☐ Yes, as described below:  

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<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
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Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?  

☒ No  ☐ Yes, as described below:  

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<tr>
<th>Company</th>
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<th>My Role</th>
<th>End Date</th>
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</tr>
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</table>

Add rows as needed for each research project.
Other Relevant Indirect Financial Interests

3. Do you have other indirect financial interests with any: (i) for-profit healthcare company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   ☒ No
   ☐ Yes
   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   ☒ No
   ☐ Yes
   If yes, what were those views and where were they made?

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   ☐ No
   ☒ Yes, as described below:

   Column 1  Name the entity funding the research.
   Column 2  Describe the research project.
   Column 3  Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.
   Column 4  Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each research project.
None | Single center QI evaluation of correlation of anti-Xa levels with thromboembolism in COVID-19 positive patients receiving high-intensity pharmacologic prophylaxis at my institution | Local investigator | August 2020

None | Single center evaluation of thrombosis in COVID-19 patients requiring ECMO | Local investigator | August 2020

None | Single center evaluation of unfractionated heparin infusion dosing strategies required to overcome heparin resistance in COVID-19 positive patients | Local investigator | August 2020

Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes
   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   - ☐ Don’t know
   - ☒ No
6. Could your institution benefit or be harmed by guidelines on this topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes
   If yes, please explain:

Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?
   My mentors, institution, and colleagues are supportive of this work and would continue to be supportive in the situation described.

Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?
   ☒ No
   - ☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Organization</th>
<th>Relevant Policy Position</th>
<th>Your Role</th>
</tr>
</thead>
</table>

Add rows as needed for each organization.
Clinical Practice

9. Do you see patients clinically?
   ☐ No
   ☒ Yes

   If yes, what is your primary specialty or subspecialty? Benign hematology and cardiology clinical pharmacist

   If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?
   ☐ No
   ☒ Yes

   If yes, please explain: oversee health-system COVID-19 VTE prophylaxis guidance, and also answer patient-specific questions regarding VTE treatment and prophylaxis in COVID-19 patients received through the adult benign hematology consult service at my institution.

Other

10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?
    ☒ No
    ☐ Yes

    If yes, please describe:

Expected Interests

11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?
    ☒ No
    ☐ Yes

    If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th>Policy</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>KD</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>KD</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>KD</td>
</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
<td>KD</td>
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<td>• Any direct financial interest of myself or my partner or spouse in any for-profit healthcare company or companies, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
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<td>• Any noneducational speaking by myself on behalf of any for-profit healthcare company (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
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At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.

I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.

I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.

Agreed by Kathryn Dane
Date 06/07/20
Disclosures reviewed by Russell (ASH staff), Pai (GOS)
Participation approved by Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee
Date June 12, 2020
Section 3. Disclosures During Participation

<table>
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<th>Company</th>
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<th>ASH Internal Notes</th>
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## Section 4. Participation History

<table>
<thead>
<tr>
<th>Description</th>
<th>End Date</th>
<th>Participated?</th>
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<tbody>
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<td>Receive orientation.</td>
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<tr>
<td>Form recommendations.</td>
<td>October 8, 2020</td>
<td>Yes</td>
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<tr>
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<td>October 27, 2020</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Jennifer Davila, MD

Co-Director, Hemophilia Treatment Center at Montefiore
Children's Hospital at Montefiore
Bronx, New York, United States

Project
ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

Role
Member of Guideline Panel

Profile
Dr. Davila is a pediatric hematologist specializing in hemostasis and thrombosis at Children's Hospital at Montefiore. She has clinical and research expertise in thrombosis, and experience treating both children with COVID-19, and adults with COVID-19 who were temporarily cared for at her hospital. She brings a clinical perspective from New York City, a U.S hotspot for the COVID-19 pandemic.

[June 19, 2020 profile approved by Dr. Davila]

Disclosures Prior to Participation

<table>
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<tr>
<th>Direct Financial Interests (End Date)</th>
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<tr>
<td>Direct payment and transfers of value for travel/lodging/honoraria for speaker panel from Octapharma. (June 18, 2020)</td>
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</tbody>
</table>

| Direct payments from Spire Learning for lecturing. (ongoing) |  

| Direct payments from Genentech for serving on advisory board and consulting. (June 18, 2020) |  

<table>
<thead>
<tr>
<th>Indirect Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
</table>
Agreement to Conflict of Interest Policies and Attestations

On June 8, 2020, Dr. Davila agreed to adhere to the policies described herein.

On September 9, 2020, Dr. Davila agreed to adhere to the policies described herein.

Disclosures During Participation

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description and Date</th>
<th>Management</th>
</tr>
</thead>
</table>

Participation History
Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**
A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest

**Financial interest**
A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity

**Direct financial interest**
A financial interest that is owned by the individual or received directly by the individual

**Indirect financial interest**
A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution

**For-profit healthcare company**
“A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

   ☒ No

   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

<table>
<thead>
<tr>
<th>Company</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☒ No

☐ Yes, as described below:

Add rows as needed for each equity interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No

☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☐ No

☒ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
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</thead>
<tbody>
<tr>
<td>Octapharma</td>
<td>Travel support/meals</td>
<td>March 2019</td>
<td></td>
</tr>
<tr>
<td>Spire Learning</td>
<td>Lecturer</td>
<td>ongoing</td>
<td></td>
</tr>
<tr>
<td>Genentech</td>
<td>Ad board/consultant</td>
<td>June 18, 2020</td>
<td></td>
</tr>
<tr>
<td>Octapharma</td>
<td>Speaker Panel</td>
<td>June 18, 2020</td>
<td></td>
</tr>
</tbody>
</table>

My Partner’s or Spouse’s Interests
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?
   ☒ No
   ☐ Yes, as described below:

Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
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</tr>
</thead>
</table>

Other Relevant Direct Financial Interests
6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?
   ☒ No
   ☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies
1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

| Column 1 | Name the company funding or supporting the research. |
| Column 2 | Briefly describe the research project. |
| Column 3 | Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe. |
| Column 4 | Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”) |

Add rows as needed for each research project.

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies
2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

| Column 1 | Name the organization. If known to you, describe any industry funding or support. |
| Column 2 | Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services. |
| Column 3 | Indicate if your activity was paid or volunteered. |
| Column 4 | Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”) |

Add rows as needed for each organization.
### Other Relevant Indirect Financial Interests

3. Do you have other **indirect financial interests** with any: (i) **for-profit healthcare** company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

   - ☒ No
   - ☐ Yes

   **If yes, please explain:**
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   ☒ No
   ☐ Yes
   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   ☒ No
   ☐ Yes
   If yes, what were those views and where were they made?

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   ☒ No
   ☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3</th>
<th>Column 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funder</td>
<td>Description of Research</td>
<td>My Role</td>
<td>End Date</td>
</tr>
<tr>
<td></td>
<td></td>
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</tbody>
</table>

Add rows as needed for each research project.
Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?
   ☒ No
   ☐ Yes
   ☐ Don’t know

   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   ☒ Yes
   ☐ No
   ☐ Don’t know

   If yes, please explain: I am a consulting hematologist at my hospital and have offered clinical recommendations for > 50 COVID + pediatric patients.

6. Could your institution benefit or be harmed by guidelines on this topic?
   ☒ No
   ☐ Yes
   ☐ Don’t know

   If yes, please explain:

Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution? My Mentors nominated me for this panel and are very supportive of my participation. They are very committed to my career development.

Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH
guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☒ No
☐ Yes, as described below:

Column 1 Name the organization.
Column 2 Describe or reference the relevant policy, position, or guidelines.
Column 3 Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines.

Add rows as needed for each organization.

<table>
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<th>Organization</th>
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Clinical Practice
9. Do you see patients clinically?

☐ No
☒ Yes

If yes, what is your primary specialty or subspecialty?

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☐ No
☒ Yes

If yes, please explain: I treat patients with COVID and have prescribed anticoagulation for them. However, they are pediatric patients.

Other
10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☐ No
☒ Yes

If yes, please describe: I am the recipient of the 2017 HTRS DREAM award which is sponsored by ATHN (American Thrombosis and Hemostasis Network) and Takeda.

Expected Interests

11. Do you expect to enter into, within the next 24 months, any new **financial or nonfinancial interests** not described above that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please describe:
## Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

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<th>I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.</th>
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Agreed by Jennifer Davila

Date [6/8/2020]

Disclosures reviewed by Russell (ASH staff), Kunkle (ASH staff), Pai (GOS)

Participation approved by Menaka Pai, on behalf of Guideline Oversight Subcommittee

Date June 18, 2020
Section 3. Disclosures During Participation

<table>
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<th>Company</th>
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</tbody>
</table>
Maria DeSancho, MD, MSc

Professor of Clinical Medicine, Clinical Director of Benign Hematology
Weill Cornell Medicine
New York, New York, United States

Project

ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

Role

Member of Guideline Panel

Profile

Dr. DeSancho is a hematologist specializing in hemostasis and thrombosis at Weill Cornell Medicine. She has clinical and research expertise in thrombosis, and an interest in COVID-19 coagulopathy, including management of pregnant patients. She brings a clinical perspective from New York City, a U.S hotspot for the COVID-19 pandemic. She has taken a leadership role in developing anticoagulation management guidance for COVID-19 patients at her institution.

[June 17, 2020 profile approved by Dr. DeSancho]

Disclosures Prior to Participation

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<td>Direct payments from Bio Products Laboratory for serving on advisory board. (June 16, 2020)</td>
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<tr>
<td>Direct payments from Sanofi Genzyme for serving on advisory board. (June 16, 2020)</td>
<td></td>
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</table>
Indirect Financial Interests (End Date)

None in past 24 months (June 9, 2020)

Other (End Date)

Clinical specialty: Hematology, thrombosis and hemostasis

Previous published opinions on coagulopathy, VTE and anticoagulation, COVID-19, and pulmonary embolism. See Section 1, Part C, for list.

Agreement to Conflict of Interest Policies and Attestations

On June 9, 2020, Dr. DeSancho agreed to adhere to the policies described herein. No special management considerations or recusals required.

September 3, 2020, Dr. Dr. DeSancho agreed to adhere to the policies described herein. No special management considerations or recusals required.

Disclosures During Participation

Disclosed | Description and Date | Management
---|---|---

Participation History
Section 1. Disclosures Prior to Participation

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**Direct financial interest** A financial interest that is owned by the individual or received directly by the individual.

**Indirect financial interest** A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution.

**For-profit healthcare company** “A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

   ☒ No

   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☒ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☐ No
☒ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apellis Pharmaceutical</td>
<td>Advisory Board (1 day)</td>
<td>31 Dec 2019</td>
<td></td>
</tr>
<tr>
<td>Bio Products Laboratory</td>
<td>Advisory Board (1 day)</td>
<td>June 16, 2020</td>
<td>Dr. DeSancho agreed to divest this relationship to participate on the ASH covid panel.</td>
</tr>
<tr>
<td>Sanofi Genzyme</td>
<td>Advisory Board (1 day)</td>
<td>June 16, 2020</td>
<td>Dr. DeSancho agreed to divest this relationship to participate on the ASH covid panel.</td>
</tr>
</tbody>
</table>

My Partner’s or Spouse’s Interests
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☒ No

☒ Yes, as described below:

Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Other Relevant Direct Financial Interests
6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☒ No

☐ Yes, as described below:

Column 1 Name the company funding or supporting the research.

Column 2 Briefly describe the research project.

Column 3 Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.

Column 4 Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each research project.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No

☐ Yes, as described below:

Column 1 Name the organization. If known to you, describe any industry funding or support.

Column 2 Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services.

Column 3 Indicate if your activity was paid or volunteered.

Column 4 Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each organization.
Other Relevant Indirect Financial Interests

3. Do you have other **indirect financial interests** with any: (i) **for-profit healthcare** company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   ☒ No
   ☐ Yes
   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   ☒ No
   ☐ Yes
   If yes, what were those views and where were they made?

   2- I have been involved in ASH frequently asked questions related to hematology and COVID-19 (Coagulopathy, VTE and anticoagulation, COVID-19 and pulmonary embolism)


Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   ☒ No
   ☐ Yes, as described below:

   Column 1   Name the entity funding the research.
   Column 2   Describe the research project.
Column 3  Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.

Column 4  Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each research project.

<table>
<thead>
<tr>
<th>Funder</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
</tr>
</thead>
</table>

Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes
   
   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes
   
   If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?
   - ☐ Don’t know
   - ☐ No
   - ☒ Yes

   If yes, please explain:

   Evidence based guidelines will promote better and more efficient care for our patients.
Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?

My institution is totally supportive of my participation on this guideline project.

Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☒ No

☐ Yes, as described below:

| Column 1 | Name the organization. |
| Column 2 | Describe or reference the relevant policy, position, or guidelines. |
| Column 3 | Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines. |

Add rows as needed for each organization.

Clinical Practice

9. Do you see patients clinically?

☐ No

☒ Yes

If yes, what is your primary specialty or subspecialty?

Hematology, specifically thrombosis and hemostasis

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?
☐ No
☒ Yes

If yes, please explain: I recommend imaging studies either compression ultrasound (CUS) or Computed Tomography Pulmonary Angiogram (CTPA) when clinically indicated. Perform thrombophilia screening following guidelines; prescribe antithrombotic therapy either prophylactically or for therapeutic reasons.

In addition I prepare the management of anticoagulation for patients with thrombotic disorders who need either invasive procedures or surgical procedures.

Other
10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:

Expected Interests
11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th>Policy</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>MTD</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>MTD</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>MTD</td>
</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
<td>MTD</td>
</tr>
<tr>
<td>• Any direct financial interest of myself or my partner or spouse in any for-profit healthcare company or companies, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
<td></td>
</tr>
<tr>
<td>• Any noneducational speaking by myself on behalf of any for-profit healthcare company (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
<td></td>
</tr>
<tr>
<td>• Consulting or advising about the marketing of products by any for-profit healthcare company (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
<td></td>
</tr>
<tr>
<td>• Simultaneous participation on guidelines by another organization on the same topic</td>
<td></td>
</tr>
<tr>
<td>• Any undisclosed financial interest in any for-profit healthcare company occurring in the 24 months prior to my participation on these guidelines</td>
<td></td>
</tr>
<tr>
<td>I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.</td>
<td>MTD</td>
</tr>
</tbody>
</table>
At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.

I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.

I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.

<table>
<thead>
<tr>
<th>Agreed by</th>
<th>[Maria T. DeSancho]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>[9 June 2020]</td>
</tr>
<tr>
<td>Disclosures reviewed by</td>
<td>Russell (ASH staff), Kunkle (ASH staff), Pai (GOS)</td>
</tr>
<tr>
<td>Participation approved by</td>
<td>Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee</td>
</tr>
<tr>
<td>Date</td>
<td>June 17, 2020</td>
</tr>
</tbody>
</table>
Section 3. Disclosures During Participation

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Disclosure Date</th>
<th>ASH Internal Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Section 4. Participation History

<table>
<thead>
<tr>
<th>Description</th>
<th>End Date</th>
<th>Participated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receive orientation.</td>
<td>June 24, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Prioritize guideline questions.</td>
<td>July 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review available evidence.</td>
<td>September 30, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Form recommendations.</td>
<td>October 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review public comments.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Project
ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

Role
Member of Guideline Panel

Profile
Dr. Diuguid is a hematologist specializing in hemostasis and thrombosis at Columbia University Herbert Irving Comprehensive Cancer Centre. He has clinical experience with COVID-19 coagulopathy. He brings a clinical perspective from New York City, a U.S hotspot for the COVID-19 pandemic.

[June 16, 2020 profile approved by Dr.Diuguid]

Disclosures Prior to Participation

<table>
<thead>
<tr>
<th>Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Financial Interests</td>
<td></td>
</tr>
<tr>
<td>None in past 24 months (June 6, 2020)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect Financial Interests</td>
<td></td>
</tr>
<tr>
<td>Local principal investigator for research on new treatment for sickle cell anemia, funded by GBT Therapeutics. (ongoing; expected to end June 30, 2020)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other</td>
<td></td>
</tr>
<tr>
<td>Clinical specialty: Non-Malignant Hematology</td>
<td></td>
</tr>
</tbody>
</table>
Agreement to Conflict of Interest Policies and Attestations

Section 2

On June 6, 2020, Dr. Diuguid agreed to adhere to the policies described herein.

On September 9, 2020, Dr. Diuguid agreed to adhere to the policies described herein.

Disclosures During Participation

Section 3

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description and Date</th>
<th>Management</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Participation History

Section 4
Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**
A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest

**Financial interest**
A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity

**Direct financial interest**
A financial interest that is owned by the individual or received directly by the individual

**Indirect financial interest**
A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution

**For-profit healthcare company**
“A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

**Employment With For-Profit Healthcare Companies**

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

   ☒ No

   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

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<tr>
<th>Company</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any **for-profit healthcare company**? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

- [x] No
- [ ] Yes, as described below:

Add rows as needed for each equity interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

- [x] No
- [ ] Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any **for-profit healthcare company**?

- [x] No
- [ ] Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

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<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

My Partner’s or Spouse’s Interests
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☒ No
☐ Yes, as described below:

Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Other Relevant Direct Financial Interests
6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests
Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☐ No
☒ Yes, as described below:

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>GBT Therapeutics</td>
<td>New treatment for sickle cell anemia</td>
<td>Local PI</td>
<td>06/30/20</td>
<td></td>
</tr>
</tbody>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

| Column 1 Name the organization. If known to you, describe any industry funding or support. |
| Column 2 Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services. |
| Column 3 Indicate if your activity was paid or volunteered. |
| Column 4 Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”) |

Add rows as needed for each organization.
### Other Relevant Indirect Financial Interests

3. Do you have other indirect financial interests with any: (i) for-profit healthcare company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

- [x] No
- [ ] Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   ☐ No
   ☒ Yes
   If yes, please explain: I think it is incumbent on us as a community to develop evidence-based guidelines, using the best data available, to inform practice, and to stimulate further clinical research to allow us to develop better data on these topics.

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   ☒ No
   ☐ Yes
   If yes, what were those views and where were they made?

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   ☒ No
   ☐ Yes, as described below:

   Column 1  Name the entity funding the research.
   Column 2  Describe the research project.
   Column 3  Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.
   Column 4  Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

   Add rows as needed for each research project.
Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes

   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   - ☐ Don’t know
   - ☐ No
   - ☒ Yes

   If yes, please explain: I maintain an active clinical practice focused on issues of managing patients with both prothrombotic and antithrombotic disorders. I also teach medical students, residents, and hematology fellows in this area.

6. Could your institution benefit or be harmed by guidelines on this topic?
   - ☒ Don’t know
   - ☐ No
   - ☐ Yes

   If yes, please explain:

Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?
As long as the work is intellectually sound, the institution will be fully supportive of my activities in this vein.

Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☒ No
☐ Yes, as described below:

| Column 1 | Name the organization. |
| Column 2 | Describe or reference the relevant policy, position, or guidelines. |
| Column 3 | Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines. |

Add rows as needed for each organization.

Clinical Practice

9. Do you see patients clinically?

☐ No
☒ Yes

If yes, what is your primary specialty or subspecialty? Non-Malignant Hematology

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☐ No
☒ Yes

If yes, please explain: As part of our Hematology service, I consult regularly on patients with thromboembolic disorders, including patients with COVID-19 infection, and we make clinical recommendations on their testing and their therapy. I also teach our residents and fellows on the
risks and benefits of anticoagulant therapy, as well as other areas in the domain of Non-Malignant Hematology.

**Other**

10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please describe:

**Expected Interests**

11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

| Policy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Initials |
| ---                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |
| I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at https://www.hematology.org/about/governance/conflict-of-interest including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).                                                                                     | DLD     |
| I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.                                                                                                                                                                                                                   | DLD     |
| To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.                                                                                       | DLD     |
| Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:                                                                                                                                                                                                                                                                                                       | DLD     |
| • Any direct financial interest of myself or my partner or spouse in any for-profit healthcare company or companies, if such interests in aggregate may be reasonably valued to be >$5,000/year, regardless of relevance to the guidelines                                                                                                                                                                                                                                                                                                     |         |
| • Any noneducational speaking by myself on behalf of any for-profit healthcare company (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines                                                                                                                                                                                                                                                                                                                   |         |
| • Consulting or advising about the marketing of products by any for-profit healthcare company (e.g., service on a company “advisory board”), regardless of relevance to the guidelines                                                                                                                                                                                                                                                                                                           |         |
| • Simultaneous participation on guidelines by another organization on the same topic                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |
| • Any undisclosed financial interest in any for-profit healthcare company occurring in the 24 months prior to my participation on these guidelines                                                                                                                                                                                                                                                                                                                                                             |         |
| I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.                                                                                                                                                                                                                                                                                                               | DLD     |
| At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated                                                                                                                                                                                                                                                                                                                                                   | DLD     |
disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.

I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.

I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.

<table>
<thead>
<tr>
<th>Agreed by</th>
<th>David L. Diuguid, MD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>June 6, 2020</td>
</tr>
<tr>
<td>Disclosures reviewed by</td>
<td>Russell (ASH staff), Pai (GOS)</td>
</tr>
<tr>
<td>Participation approved by</td>
<td>Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee</td>
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<tr>
<td>Date</td>
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</table>
Section 3. Disclosures During Participation

<table>
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<tr>
<th>Company</th>
<th>Description</th>
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## Section 4. Participation History

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<th>Description</th>
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<tbody>
<tr>
<td>Receive orientation.</td>
<td>June 24, 2020</td>
<td>Yes</td>
</tr>
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<td>Review available evidence.</td>
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<td>Form recommendations.</td>
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<td>Yes</td>
</tr>
<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Daniel Griffin, MD, PhD
Associate Research Scientist and Instructor in Clinical Medicine
Columbia University and ProHealth Care
New Hyde Park, New York, United States

Project
ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

Role
Member of Guideline Panel

Profile
Dr. Griffin is an infectious disease specialist at Columbia University and ProHealth Care. He brings a clinical perspective from New York City, a U.S hotspot for the COVID-19 pandemic.

[June 16, 2020 profile approved by Dr. Griffin]

Disclosures Prior to Participation

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<tr>
<th>Direct Financial Interests (End Date)</th>
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<td>None in past 24 months (June 6, 2020)</td>
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<th>Other (End Date)</th>
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</thead>
<tbody>
<tr>
<td>Clinical specialty: Infectious Disease</td>
<td></td>
</tr>
</tbody>
</table>
Agreement to Conflict of Interest Policies and Attestations

Section 2

On June 6, 2020, Dr. Griffin agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

On August 31, 2020, Dr. Griffin agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

Disclosures During Participation

<table>
<thead>
<tr>
<th>Disclosed</th>
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<th>Management</th>
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<tbody>
<tr>
<td></td>
<td></td>
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Participation History

Section 4
Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**
A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest.

**Financial interest**
A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity.

**Direct financial interest**
A financial interest that is owned by the individual or received directly by the individual.

**Indirect financial interest**
A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution.

**For-profit healthcare company**
“A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

☒ No

☐ Yes, as described below:

Add rows as needed for each employment relationship.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☒ No

☐ Yes, as described below:

Add rows as needed for each equity interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
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</tr>
</thead>
</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No

☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☒ No

☐ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

<table>
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<tr>
<th>Company</th>
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</tr>
</thead>
</table>

My Partner’s or Spouse’s Interests
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☒ No
☐ Yes, as described below:

Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
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</tr>
</thead>
</table>

Other Relevant Direct Financial Interests
6. Do you have other current or recent (within the past 24 months) **direct financial interests** with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

| Column 1 | Name the company funding or supporting the research. |
| Column 2 | Briefly describe the research project. |
| Column 3 | Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe. |
| Column 4 | Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”) |

Add rows as needed for each research project.

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

| Column 1 | Name the organization. If known to you, describe any industry funding or support. |
| Column 2 | Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services. |
| Column 3 | Indicate if your activity was paid or volunteered. |
| Column 4 | Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”) |

Add rows as needed for each organization.
Other Relevant Indirect Financial Interests

3. Do you have other indirect financial interests with any: (i) for-profit healthcare company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please explain:
**Part C. Relevant Other Interests That Are Not Mainly Financial**

**Personal Beliefs**
1. Do you have strongly held beliefs related to the topic of these guidelines?
   - ☒ No
   - ☐ Yes
   
   If yes, please explain:

**Previously Published Opinions**
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   - ☒ No
   - ☐ Yes
   
   If yes, what were those views and where were they made?

**Non-Industry Supported Research**
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   - ☒ No
   - ☐ Yes, as described below:

   **Column 1** Name the entity funding the research.
   **Column 2** Describe the research project.
   **Column 3** Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.
   **Column 4** Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

   Add rows as needed for each research project.
Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes

   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes

   If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes

   If yes, please explain:

Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?-no impact

Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?
☐ No
☐ Yes, as described below:

**Column 1** Name the organization.

**Column 2** Describe or reference the relevant policy, position, or guidelines.

**Column 3** Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines.

Add rows as needed for each organization.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Relevant Policy Position</th>
<th>Your Role</th>
</tr>
</thead>
</table>

**Clinical Practice**

9. Do you see patients clinically?

☐ No
☒ Yes

If yes, what is your primary specialty or subspecialty? Infectious Disease

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☐ No
☒ Yes

If yes, please explain: In daily practice I often recommend performing diagnostic testing such as ultrasound, CTA, NM scans and pharmacological interventions for the treatment and prevention of thromboembolic complications.

**Other**

10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes
Expected Interests

11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
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<th>Policy</th>
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I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.  DG

I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.  DG

Agreed by [Daniel Griffin]
Date [6/6/2020]
Disclosures reviewed by [Russell (ASH staff), Kunkle (ASH staff), Pai (GOS)]
Participation approved by Menaka Pai, on behalf of the ASH Guideline Oversight Subcommittee
Date June 11, 2020

Section 3. Disclosures During Participation

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<td>October 27, 2020</td>
<td>Yes</td>
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</table>
# Participant Information

**Susan Kahn, MD, MSc**

Professor of Medicine  
McGill University  
Montreal, Quebec, Canada

## Project

ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

## Role

Member of Guideline Panel

## Profile

Dr. Kahn is a clinical epidemiologist and internist based at the Jewish General Hospital in Montreal, where she is the founder and director of the Centre of Excellence in Thrombosis and Anticoagulation Care. She is appointed as Professor with Tenure in the Department of Medicine, McGill University. She founded the McGill Thrombosis Fellowship, for which she was Program Director from 2007-2018. She is co-Director of the CIHR-funded CanVECTOR Network, a Canadian national venous thromboembolism research and training network. Dr. Kahn’s research interests focus primarily on clinical trials of interventions to prevent, diagnose, treat, and improve outcomes of venous thromboembolism.

[June 16, 2020 profile approved by Dr.Kahn]

## Disclosures Prior to Participation

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<th><strong>Direct Financial Interests (End Date)</strong></th>
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<tr>
<td>Site co-investigator for STEP CAT Study – stepping down to prophylactic doses of enoxaparin after 6 months of full dose for cancer-associated thrombosis, funded by Sanofi (December 2019)</td>
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</tbody>
</table>
Agreement to Conflict of Interest Policies and Attestations

On June 10, 2020, Dr. Kahn agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

On September 1, 2020, Dr. Kahn agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

Disclosures During Participation

<table>
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<tr>
<th>Disclosed</th>
<th>Description and Date</th>
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Participation History
Section 1. Disclosures Prior to Participation

Definitions

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Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any **for-profit healthcare company**?

   ☒ No

   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

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<tr>
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Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any **for-profit healthcare company**? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☒ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

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Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

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</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any **for-profit healthcare company**?

☐ No
☒ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sanofi</td>
<td>Consultancy</td>
<td>Dec. 2019</td>
<td></td>
</tr>
</tbody>
</table>

**My Partner’s or Spouse’s Interests**

5. Currently or in the past 24 months has *your partner or spouse* had any of the interests or relationships described in questions 1-4?

- ☒ No
- ☐ Yes, as described below:

  Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

**Other Relevant Direct Financial Interests**

6. Do you have other current or recent (within the past 24 months) **direct financial interests** with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

- ☒ No
- ☐ Yes

  If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☐ No
☒ Yes, as described below:

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sanofi</td>
<td>STEP CAT Study: stepping down to prophylactic doses of enoxaparin after 6 months of full dose for cancer-associated thrombosis</td>
<td>(c) Site co-investigator</td>
<td>Dec 2019</td>
<td></td>
</tr>
</tbody>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Name the organization. If known to you, describe any industry funding or support.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Column 2</td>
<td>Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services.</td>
</tr>
<tr>
<td>Column 3</td>
<td>Indicate if your activity was paid or volunteered.</td>
</tr>
</tbody>
</table>
Column 4  Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each organization.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Description and role</th>
<th>Paid or Unpaid?</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Other Relevant Indirect Financial Interests

3. Do you have other indirect financial interests with any: (i) **for-profit healthcare** company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   - ☒ No
   - ☐ Yes
   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   - ☒ No
   - ☐ Yes
   If yes, what were those views and where were they made?

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   - ☒ No
   - ☐ Yes, as described below:

| Column 1 | Name the entity funding the research. |
| Column 2 | Describe the research project. |
| Column 3 | Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe. |
| Column 4 | Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”) |

Add rows as needed for each research project.
Institutional Relationships
4. Could your compensation be affected by recommendations on this topic?
   □ Don’t know
   ☒ No
   □ Yes
   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   □ Don’t know
   ☒ No
   □ Yes
   If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?
   □ Don’t know
   ☒ No
   □ Yes
   If yes, please explain:

Career Advancement
7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?
   No concerns in this regard; would receive full support

Involvement in Organizations With Relevant Policies, Positions, or Guidelines
8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH
guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☒ No
☐ Yes, as described below:

Column 1  Name the organization.
Column 2  Describe or reference the relevant policy, position, or guidelines.
Column 3  Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines.

Add rows as needed for each organization.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Relevant Policy Position</th>
<th>Your Role</th>
</tr>
</thead>
</table>

Clinical Practice
9. Do you see patients clinically?

☒ Yes
☐ No

If yes, what is your primary specialty or subspecialty?

Internal medicine/Thrombosis

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☒ Yes
☐ No

If yes, please explain:

For decisions re VTE prevention in COVID-19 patients, I follow our institution’s current guidelines

Other
10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes
If yes, please describe:

Expected Interests
11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?
   ☒ No
   ☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th>Policy</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>sk</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>sk</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>sk</td>
</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
<td>sk</td>
</tr>
<tr>
<td>• Any direct financial interest of myself or my partner or spouse in any for-profit healthcare company or companies, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
<td>sk</td>
</tr>
<tr>
<td>• Any noneducational speaking by myself on behalf of any for-profit healthcare company (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
<td>sk</td>
</tr>
<tr>
<td>• Consulting or advising about the marketing of products by any for-profit healthcare company (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
<td>sk</td>
</tr>
<tr>
<td>• Simultaneous participation on guidelines by another organization on the same topic</td>
<td>sk</td>
</tr>
<tr>
<td>• Any undisclosed financial interest in any for-profit healthcare company occurring in the 24 months prior to my participation on these guidelines</td>
<td>sk</td>
</tr>
<tr>
<td>I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.</td>
<td>sk</td>
</tr>
<tr>
<td>At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated</td>
<td>sk</td>
</tr>
</tbody>
</table>
disclosures; and, if requested, attestation that I do not have any interests that should disqualify my participation.

I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.

I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.

Agreed by: Susan R Kahn
Date: June 10, 2020
Disclosures reviewed by: Russell (ASH staff), Kunkle (ASH staff), Pai (GOS)
Participation approved by: Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee
Date: June 11, 2020

### Section 3. Disclosures During Participation

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Disclosure Date</th>
<th>ASH Internal Notes</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>
Section 4. Participation History

<table>
<thead>
<tr>
<th>Description</th>
<th>End Date</th>
<th>Participated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receive orientation.</td>
<td>June 24, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Prioritize guideline questions.</td>
<td>July 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review available evidence.</td>
<td>September 30, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Form recommendations.</td>
<td>October 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review public comments.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
</tbody>
</table>
F.A. (Erik) Klok, MD, PhD

Clinical Scientist
Leiden University Medical Center Einthoven Laboratory
Leiden, Netherlands

Project
ASH Clinical Practice Guidelines on Anticoagulation in Patients With COVID-19

Role
Member of Guideline Panel

Profile
Dr. Klok is an internist specializing in vascular medicine at Leiden University Medical Center and the Einthoven Laboratory. He has clinical and research expertise in thrombosis, and an interest in predictors and impact of thrombosis in COVID-19 patients. He brings a European perspective to these guidelines.

[June 17, 2020 profile approved by Dr.Klok]

Disclosures Prior to Participation

<table>
<thead>
<tr>
<th>Direct Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>None in past 24 months (June 6, 2020)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Indirect Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>None in past 24 months (June 6, 2020)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical specialty: internist, specializing in vascular medicine. Dr. Klok has provided care for patients with COVID-19. His clinical responsibilities at his</td>
<td></td>
</tr>
</tbody>
</table>
institution include thromboprophylaxis and treatment of thrombotic complications.

Co-applicant for a research project submitted for funding by the Netherlands Organization for Health Research and Development: post-hoc analysis of Dutch COVID-19 cases to identify predictors of thrombotic complications and the long-term impact of thrombotic complications (ongoing; expected to end June 2021)

Was an author of a guidance document by the Dutch internist society on management of COVID-19 coagulopathy (published April 2020), which states that thrombosis prophylaxis should be offered to all patients admitted to the hospital with or because of COVID-19 and that high-intensity prophylaxis may be considered in patients admitted to an ICU because of or with COVID-19.

Agreement to Conflict of Interest Policies and Attestations

On June 6, 2020, Dr. Klok agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

On August 31, 2020, Dr. Klok agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

Disclosures During Participation

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description and Date</th>
<th>Management</th>
</tr>
</thead>
</table>

Participation History
Section 1. Disclosures Prior to Participation

Definitions

*Conflict of interest*  
A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest

*Financial interest*  
A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity

*Direct financial interest*  
A financial interest that is owned by the individual or received directly by the individual

*Indirect financial interest*  
A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution

*For-profit healthcare company*  
“A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

   ☒ No

   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☒ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☒ No
☐ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

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<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

My Partner’s or Spouse’s Interests
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☒ No
☐ Yes, as described below:

Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
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</tr>
</thead>
</table>

Other Relevant Direct Financial Interests
6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☒ No

☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No

☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Role</th>
<th>Activity and Role</th>
<th>Paid or Volunteered</th>
<th>End Date</th>
</tr>
</thead>
</table>

Add rows as needed for each organization.
Other Relevant Indirect Financial Interests

3. Do you have other indirect financial interests with any: (i) for-profit healthcare company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☐ No

☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   ☒ No
   ☐ Yes
   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   ☐ No
   ☒ Yes
   If yes, what were those views and where were they made?
   Guidance document on behalf of the Dutch Internist society on management of COVID-19 coagulopathy, published in April 2020, stating that thrombosis prophylaxis should be offered to all patients admitted to the hospital with or because of COVID-19, and that high-intensity thrombosis prophylaxis may be considered in patients admitted to an ICU because of or with COVID-19.

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   ☐ No
   ☒ Yes, as described below:
   Column 1  Name the entity funding the research.
   Column 2  Describe the research project.
   Column 3  Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.
   Column 4  Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)
   Add rows as needed for each research project.
<table>
<thead>
<tr>
<th><strong>Funder</strong></th>
<th><strong>Description of Research</strong></th>
<th><strong>My Role</strong></th>
<th><strong>End Date</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>The Netherlands Organisation for Health Research and Development</td>
<td>Post-hoc analysis of Dutch COVID-19 cases to identify predictors of thrombotic complications and the long-term impact of thrombotic complications</td>
<td>Co-applicant</td>
<td>June 2021</td>
</tr>
</tbody>
</table>

**Institutional Relationships**

4. Could your compensation be affected by recommendations on this topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes

   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes

   If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes

   If yes, please explain:
Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?

I would receive full support by my department and mentors, where necessary.

Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☒ No
☐ Yes, as described below:

| Column 1 Name the organization. |
| Column 2 Describe or reference the relevant policy, position, or guidelines. |
| Column 3 Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines. |

Add rows as needed for each organization.

Clinical Practice

9. Do you see patients clinically?

☐ No
☒ Yes

If yes, what is your primary specialty or subspecialty?

I am an internist with a specialty in vascular medicine. Among others, I am responsible for thromboprophylaxis and treatment of thrombotic complications in my institution.

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?
☐ No
☒ Yes

If yes, please explain:

I am a clinical doctor and as such was fully involved in all aspects of the care for COVID-19 patients; currently the incidence of new cases in the Netherlands is close to zero and number of hospitalized COVID-19 patients in general and also in our hospital is fastly declining.

Other
10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?
    ☒ No
    ☐ Yes

If yes, please describe:

Expected Interests
11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?
    ☒ No
    ☐ Yes

If yes, please describe:
## Section 2. Attestation of Compliance With Conflict of Interest Policies

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<td>FA</td>
</tr>
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<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
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<td>• Any noneducational speaking by myself on behalf of any for-profit healthcare company (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
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<td>• Consulting or advising about the marketing of products by any for-profit healthcare company (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
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<td>FA</td>
</tr>
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</table>
disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.

| I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations. | FA |

| I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment. | FA |

Agreed by            | Erik Klok |
Date                 | 6-6-2020  |
Disclosures reviewed by | Russell (ASH staff), Kunkle (ASH staff), Pai (GOS) |
Participation approved by | Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee |
Date                 | June 11, 2020 |
Section 3. Disclosures During Participation

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### Section 4. Participation History

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<td>Receive orientation.</td>
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<td>July 8, 2020</td>
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<td>Review available evidence.</td>
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<td>Yes</td>
</tr>
</tbody>
</table>
Alfred Lee, MD, PhD
Associate Professor of Medicine (Hematology); Director, Hematology/Oncology Fellowship Program;
Yale School of Medicine
North Haven, Connecticut, USA

Project
ASH Clinical Practice Guidelines on Anticoagulation in Patients With COVID-19

Role
Member of Guideline Panel

Profile
Dr. Lee is a hematologist specializing in thrombosis and genomics at Yale University. He has clinical and research expertise in thrombosis and anticoagulation. He has taken a leadership role in developing anticoagulation management guidance for COVID-19 patients at his institution and is the principle investigator of a study of endotheliopathy and coagulopathy in COVID-19.

[June 17, 2020 profile approved by Dr. Lee]

Disclosures Prior to Participation

<table>
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<tr>
<th>Direct Financial Interests (End Date)</th>
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<table>
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<tr>
<th>Other (End Date)</th>
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</tr>
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</table>
Principal investigator for research about the mechanisms of action of COVID-19 associated coagulopathy, funded by the Jack Levin fund to Benign Hematology research at Yale (ongoing)

Working group member for institutional anticoagulation dosing guidelines in COVID-19 for the Yale New Haven Health System (ongoing)

Clinical specialty: hematology (ongoing). Dr. Lee has recommended measurements of coagulation studies and also imaging studies in hospitalized and post-hospital discharge patients with COVID-19.

Agreement to Conflict of Interest Policies and Attestations

On June 5, 2020, Dr. Lee agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

On September 15, 2020, Dr. Lee agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

Disclosures During Participation

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description and Date</th>
<th>Management</th>
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Participation History

Section 4
Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**
A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest

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A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity

**Direct financial interest**
A financial interest that is owned by the individual or received directly by the individual

**Indirect financial interest**
A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution

**For-profit healthcare company**
“A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

   ☒ No

   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

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<tr>
<th>Company</th>
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Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☒ No

☐ Yes, as described below:

Add rows as needed for each equity interest.

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<th>Company</th>
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Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No

☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

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Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☒ No

☐ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

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My Partner’s or Spouse’s Interests
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☒ No
☐ Yes, as described below:

Add rows as needed for each interest.

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<tr>
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</tr>
</thead>
</table>

Other Relevant Direct Financial Interests
6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Name the organization. If known to you, describe any industry funding or support.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Column 2</td>
<td>Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services.</td>
</tr>
<tr>
<td>Column 3</td>
<td>Indicate if your activity was paid or volunteered.</td>
</tr>
<tr>
<td>Column 4</td>
<td>Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”)</td>
</tr>
</tbody>
</table>

Add rows as needed for each organization.
Other Relevant Indirect Financial Interests

3. Do you have other indirect financial interests with any: (i) for-profit healthcare company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   - ☒ No
   - ☐ Yes
   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   - ☒ No
   - ☐ Yes
   If yes, what were those views and where were they made?

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   - ☐ No
   - ☒ Yes, as described below:

     Column 1  Name the entity funding the research.
     Column 2  Describe the research project.
     Column 3  Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.
     Column 4  Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each research project.
### Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?

- ☐ Don’t know
- ☒ No
- ☐ Yes

If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?

- ☐ Don’t know
- ☒ No
- ☐ Yes

If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?

- ☐ Don’t know
- ☒ No
- ☐ Yes

If yes, please explain:

### Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?

_The support I receive from my institution would not change._
Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☐ No
☒ Yes, as described below:

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Name the organization.</th>
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<tbody>
<tr>
<td>Column 2</td>
<td>Describe or reference the relevant policy, position, or guidelines.</td>
</tr>
<tr>
<td>Column 3</td>
<td>Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines.</td>
</tr>
</tbody>
</table>

Add rows as needed for each organization.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Relevant Policy Position</th>
<th>Your Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yale New Haven Health System</td>
<td>Institutional anticoagulation dosing guidelines in COVID-19</td>
<td>Working group member</td>
</tr>
</tbody>
</table>

Clinical Practice

9. Do you see patients clinically?

☐ No
☒ Yes

If yes, what is your primary specialty or subspecialty?

Benign (classical) hematology, particularly thrombosis and genomics

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☐ No
☒ Yes

If yes, please explain:

*I have recommended measurements of coagulation studies and also imaging studies in hospitalized and post-hospital discharge patients with COVID-19.*
Other
10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:

Expected Interests
11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th>Policy</th>
<th>Initials</th>
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<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>AIL</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>AIL</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>AIL</td>
</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
<td>AIL</td>
</tr>
<tr>
<td>• Any direct financial interest of myself or my partner or spouse in any for-profit healthcare company or companies, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
<td></td>
</tr>
<tr>
<td>• Any noneducational speaking by myself on behalf of any for-profit healthcare company (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
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| I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations. | AIL |
| I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment. | AIL |

Agreed by                 Alfred Ian Lee, M.D., Ph.D.
Date                      June 5, 2020
Disclosures reviewed by   Russell (ASH staff), Kunkle (ASH staff), Pai (GOS)
Participation approved by  Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee
Date                      June 11, 2020
## Section 3. Disclosures During Participation

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<tr>
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<td>October 27, 2020</td>
<td>Yes</td>
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</tbody>
</table>
Reem Mustafa, MBBS, PhD, MPH

Associate Professor, Department of Internal Medicine, Division of Nephrology and Hypertension

University of Kansas
Kansas City, KS, United States

Project
ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

Roles
Methodology co-chair of the guideline panel; member (unpaid) of the methods team

Profile
Dr. Mustafa is a nephrologist and methodologist at the University of Kansas. She cares for patients with COVID-19, and was involved in the development of the Infectious Disease Society of America’s COVID-19 guidelines. She brings methodologic expertise and deep experience with GRADE to these guidelines.

[June 17, 2020 profile approved by Dr. Mustafa]

Disclosures Prior to Participation

<table>
<thead>
<tr>
<th>Direct Financial Interests (End Date)</th>
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<tr>
<th>Indirect Financial Interests (End Date)</th>
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<table>
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<tr>
<th>Other (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical specialty: nephrology. Dr. Mustafa has seen and cares for patients with COVID-19 admitted to the hospital and in the ICU.</td>
<td></td>
</tr>
</tbody>
</table>
Site investigator for a study assessing the effect of empagliflozin on patients with chronic kidney disease, funded by Boehringer Ingelheim (ongoing; expected to end June 2022). Dr. Mustafa reports that she does not receive any direct or indirect compensation for her role on this study.

Dr. Mustafa has authored guidelines about COVID-19, but none address anticoagulation.

Agreement to Conflict of Interest Policies and Attestations

On June 7, 2020, Dr. Mustafa agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

On September 14, 2020, Dr. Mustafa agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

Disclosures During Participation

Participation History
Section 1. Disclosures Prior to Participation

Definitions

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Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

   ☒ No

   ☐ Yes, as described below:

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Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☒ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

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Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

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Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☒ No
☐ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

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My Partner’s or Spouse’s Interests
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☒ No
☐ Yes, as described below:

Add rows as needed for each interest.

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<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Other Relevant Direct Financial Interests
6. Do you have other current or recent (within the past 24 months) **direct financial interests** with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☐ No
☒ Yes, as described below:

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boehringer Ingelheim</td>
<td>Study assessing the effect of Empagliflozin on patients with CKD (The Study of Heart and Kidney Protection With Empagliflozin)</td>
<td>Site investigator – I do not receive any direct or indirect compensation based on my role from this study</td>
<td>June 2022</td>
<td></td>
</tr>
</tbody>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

| Column 1   Name the organization. If known to you, describe any industry funding or support. |
Column 2 Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services.

Column 3 Indicate if your activity was paid or volunteered.

Column 4 Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each organization.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Description and role</th>
<th>Paid or Unpaid?</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Other Relevant Indirect Financial Interests

3. Do you have other indirect financial interests with any: (i) for-profit healthcare company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   ☒ No
   ☐ Yes
   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   ☒ No. I have published guidelines about COVID-19 but none address the question about anticoagulation.
   ☐ Yes
   If yes, what were those views and where were they made?

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   ☒ No
   ☐ Yes, as described below:

   | Column 1 | Name the entity funding the research. |
   | Column 2 | Describe the research project.       |
   | Column 3 | Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe. |
   | Column 4 | Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”) |

Add rows as needed for each research project.
Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?
   ☐ Don’t know
   ☒ No
   ☐ Yes
   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   ☐ Don’t know
   ☒ No
   ☐ Yes
   If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?
   ☐ Don’t know
   ☒ No
   ☐ Yes
   If yes, please explain:

Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?
   RM: They will likely support me.
Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☒ No
☐ Yes, as described below:

Column 1 Name the organization.
Column 2 Describe or reference the relevant policy, position, or guidelines.
Column 3 Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines.

Add rows as needed for each organization.

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<thead>
<tr>
<th>Organization</th>
<th>Relevant Policy Position</th>
<th>Your Role</th>
</tr>
</thead>
</table>

Clinical Practice

9. Do you see patients clinically?

☐ No
☒ Yes

If yes, what is your primary specialty or subspecialty?

Nephrology.

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☐ No
☒ Yes

If yes, please explain:

I have seen and continue to care for patients with COVID19 admitted to the hospital and in the ICU.

Other

10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?
☐ No
☐ Yes
If yes, please describe:

Expected Interests
11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes
If yes, please describe:
### Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th>Policy</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>RM</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>RM</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>RM</td>
</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
<td>RM</td>
</tr>
<tr>
<td>• Any <strong>direct financial interest</strong> of myself or my partner or spouse in any <strong>for-profit healthcare company</strong> or <strong>companies</strong>, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
<td>RM</td>
</tr>
<tr>
<td>• Any noneducational speaking by myself on behalf of any <strong>for-profit healthcare company</strong> (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
<td>RM</td>
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<tr>
<td>• Consulting or advising about the marketing of products by any <strong>for-profit healthcare company</strong> (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
<td>RM</td>
</tr>
<tr>
<td>• Simultaneous participation on guidelines by another organization on the same topic</td>
<td>RM</td>
</tr>
<tr>
<td>• Any <strong>undisclosed</strong> financial interest in any <strong>for-profit healthcare company</strong> occurring in the 24 months prior to my participation on these guidelines</td>
<td>RM</td>
</tr>
<tr>
<td>I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.</td>
<td>RM</td>
</tr>
<tr>
<td>At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated</td>
<td>RM</td>
</tr>
</tbody>
</table>
disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.

I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.

I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.

<table>
<thead>
<tr>
<th>Agreed by</th>
<th>Reem Mustafa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>June 7, 2020</td>
</tr>
<tr>
<td>Disclosures reviewed by</td>
<td>Russell (ASH staff), Kunkle (ASH staff)</td>
</tr>
<tr>
<td>Participation approved by</td>
<td>Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee</td>
</tr>
<tr>
<td>Date</td>
<td>June 11, 2020</td>
</tr>
</tbody>
</table>
## Section 3. Disclosures During Participation

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Disclosure Date</th>
<th>ASH Internal Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>
## Section 4. Participation History

<table>
<thead>
<tr>
<th>Description</th>
<th>End Date</th>
<th>Participated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receive orientation.</td>
<td>June 24, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Prioritize guideline questions.</td>
<td>July 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review available evidence.</td>
<td>September 30, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Form recommendations.</td>
<td>October 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review public comments.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Ignacio Neumann, MD, PhD
Assistant Professor
Pontificia Universidad Católica de Chile
Santiago, Chile

Project
ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

Roles
Member of guideline panel; member (unpaid) of the methods team

Profile
Dr. Neumann is an internist and methodologist at the Pontifica Universidad Católica de Chile. He cares for patients with COVID-19. He brings methodologic expertise, deep experience with GRADE, and a Latin American perspective to these guidelines.

[June 16, 2020 profile approved by Dr. Neumann]

Disclosures Prior to Participation

<table>
<thead>
<tr>
<th>Direct Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>None in past 24 months (June 7, 2020)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Indirect Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>None in past 24 months (June 7, 2020)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical specialty: internal medicine. Dr. Neumann provides care for patients with COVID-19, including diagnosis, prophylaxis and treatment of VTE.</td>
<td></td>
</tr>
</tbody>
</table>
Agreement to Conflict of Interest Policies and Attestations

On June 7, 2020, Dr. Neumann agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

On September 4, 2020, Dr. Neumann agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

Disclosures During Participation

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description and Date</th>
<th>Management</th>
</tr>
</thead>
</table>

Participation History
Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**
A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest

**Financial interest**
A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity

**Direct financial interest**
A financial interest that is owned by the individual or received directly by the individual

**Indirect financial interest**
A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution

**For-profit healthcare company**
“A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any **for-profit healthcare company**?

☒ No

☐ Yes, as described below:

Add rows as needed for each employment relationship.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☐ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☐ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
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</thead>
</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☐ No
☐ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☒ No
☐ Yes, as described below:

Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
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</thead>
</table>

6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
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</thead>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

| Column 1 Name the organization. If known to you, describe any industry funding or support. | Column 2 Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services. | Column 3 Indicate if your activity was paid or volunteered. | Column 4 Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”) | Add rows as needed for each organization. |
### Other Relevant Indirect Financial Interests

3. Do you have other **indirect financial interests** with any: (i) **for-profit healthcare** company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

*If yes, please explain:*
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   ☒ No
   ☐ Yes

   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   ☒ No
   ☐ Yes

   If yes, what were those views and where were they made?

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   ☒ No
   ☐ Yes, as described below:

   **Column 1** Name the entity funding the research.
   **Column 2** Describe the research project.
   **Column 3** Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.
   **Column 4** Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

   Add rows as needed for each research project.

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Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?
   ☐ Don’t know
   ☒ No
   ☐ Yes
   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   ☐ Don’t know
   ☒ No
   ☐ Yes
   If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?
   ☐ Don’t know
   ☒ No
   ☐ Yes
   If yes, please explain:

Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?
   I would anticipate support from my mentor and colleagues.

Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?
☐ No
☐ Yes, as described below:

**Column 1** Name the organization.

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<th>Your Role</th>
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**Clinical Practice**

9. Do you see patients clinically?

☐ No
☒ Yes

If yes, what is your primary specialty or subspecialty?

Internal Medicine

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☐ No
☒ Yes

If yes, please explain:

I provide care for patients with COVID-19, including diagnosis, prophylaxis and treatment of VTE

**Other**

10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes
If yes, please describe:

Expected Interests
11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

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<td>• Consulting or advising about the marketing of products by any for-profit healthcare company (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
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<tr>
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<td>IN</td>
</tr>
<tr>
<td>• Any undisclosed financial interest in any for-profit healthcare company occurring in the 24 months prior to my participation on these guidelines</td>
<td>IN</td>
</tr>
<tr>
<td>I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.</td>
<td>IN</td>
</tr>
<tr>
<td>At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated</td>
<td>IN</td>
</tr>
</tbody>
</table>
disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.

| I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations. | IN |
| I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment. | IN |

Agreed by Ignacio Neumann  
Date June 7, 2020  
Disclosures reviewed by Russell (ASH staff), Kunkle (ASH staff), Pai (GOS)  
Participation approved by Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee  
Date June 11, 2020
Section 3. Disclosures During Participation

<table>
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</thead>
<tbody>
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</tr>
</tbody>
</table>
### Section 4. Participation History

<table>
<thead>
<tr>
<th>Description</th>
<th>End Date</th>
<th>Participated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receive orientation.</td>
<td>June 24, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Prioritize guideline questions.</td>
<td>July 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review available evidence.</td>
<td>September 30, 2020</td>
<td>Yes</td>
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<td>Form recommendations.</td>
<td>October 8, 2020</td>
<td>Yes</td>
</tr>
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<td>Review public comments.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Ashok Pai, MD

Benign Hematology and Regional Anticoagulation Program Lead
Kaiser Permanente, Oakland Medical Center
Oakland, California, USA

Project
ASH Clinical Practice Guidelines on Anticoagulation in Patients With COVID-19

Role
Member of Guideline Panel

Profile
Dr. Pai is a hematologist at Kaiser Permanente (KP) based in Oakland and Richmond, California. He is the clinical lead of the benign hematology program as well as clinical chair of the anticoagulation services for KP. He has clinical and research expertise in thrombosis and has an interested in COVID associated coagulopathy. He has taken on a leadership role in developing anticoagulation management guidance for COVID-19 patients cared for at the 21 medical centers within KP.

[June 17, 2020 profile approved by Dr. Pai]

Disclosures Prior to Participation

<table>
<thead>
<tr>
<th>Direct Financial Interests (End Date)</th>
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<td>None in past 24 months (June 7, 2020)</td>
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<table>
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<td>None in past 24 months (June 7, 2020)</td>
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<table>
<thead>
<tr>
<th>Other (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
</table>
Senior author for research about COVID-19 associated coagulopathy funded by Kaiser Permanente (expected end date July 2020)

Clinical specialty: benign hematology (ongoing). Dr. Pai provides consultative services to physicians who care for patients with COVID-19.

Agreement to Conflict of Interest Policies and Attestations

On June 7, 2020, Dr. Pai agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

On August 31, 2020, Dr. Pai agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

Disclosures During Participation

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description and Date</th>
<th>Management</th>
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</table>

Participation History
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Definitions

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For-profit healthcare company: “A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

☒ No
☐ Yes, as described below:

Add rows as needed for each employment relationship.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☒ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

<table>
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<tr>
<th>Company</th>
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Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
<thead>
<tr>
<th>Company</th>
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<th>Date Divested</th>
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</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☒ No
☐ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

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<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

My Partner’s or Spouse’s Interests
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☒ No

☐ Yes, as described below:

Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Other Relevant Direct Financial Interests
6. Do you have other current or recent (within the past 24 months) **direct financial interests** with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

| Column 1 | Name the company funding or supporting the research. |
| Column 2 | Briefly describe the research project. |
| Column 3 | Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe. |
| Column 4 | Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”) |

Add rows as needed for each research project.

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

| Column 1 | Name the organization. If known to you, describe any industry funding or support. |
| Column 2 | Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services. |
| Column 3 | Indicate if your activity was paid or volunteered. |
| Column 4 | Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”) |

Add rows as needed for each organization.
Other Relevant Indirect Financial Interests

3. Do you have other *indirect financial interests* with any: (i) *for-profit healthcare* company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

*If yes, please explain:*
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?

☒ No
☐ Yes

If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?

☒ No
☐ Yes

If yes, what were those views and where were they made?

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?

☐ No
☒ Yes, as described below:

<table>
<thead>
<tr>
<th>Funder</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
</tr>
</thead>
</table>

Add rows as needed for each research project.
Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?

☐ Don't know
☒ No
☐ Yes

If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?

☐ Don't know
☒ No
☐ Yes

If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?

☐ Don't know
☒ No
☐ Yes

If yes, please explain:

Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?

-My career advancement will not be affected by authorship of these guidelines
8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☒ No

☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Column 1 Name the organization.</th>
<th>Column 2 Describe or reference the relevant policy, position, or guidelines.</th>
<th>Column 3 Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines.</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] No</td>
<td>[ ] Yes, as described below:</td>
<td>[ ] Yes, as described below:</td>
</tr>
</tbody>
</table>

Clinical Practice

9. Do you see patients clinically?

☒ Yes

If yes, what is your primary specialty or subspecialty?

Benign Hematology

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☒ Yes

If yes, please explain:

I provide consultative services to physicians who care for COVID patients.
Other

10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:

Expected Interests

11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:
### Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th>Policy</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>AP</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>AP</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>AP</td>
</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
<td>AP</td>
</tr>
<tr>
<td>• Any <strong>direct financial interest</strong> of myself or my partner or spouse in any <strong>for-profit healthcare company or companies</strong>, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
<td></td>
</tr>
<tr>
<td>• Any noneducational speaking by myself on behalf of any <strong>for-profit healthcare company</strong> (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
<td></td>
</tr>
<tr>
<td>• Consulting or advising about the marketing of products by any <strong>for-profit healthcare company</strong> (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
<td></td>
</tr>
<tr>
<td>• Simultaneous participation on guidelines by another organization on the same topic</td>
<td></td>
</tr>
<tr>
<td>• Any <strong>undisclosed</strong> financial interest in any <strong>for-profit healthcare company</strong> occurring in the 24 months prior to my participation on these guidelines</td>
<td></td>
</tr>
<tr>
<td>I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.</td>
<td>AP</td>
</tr>
<tr>
<td>At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated</td>
<td>AP</td>
</tr>
</tbody>
</table>
disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.

I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.

I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.

Agreed by ASHOK PAI
Date 6/7/2020
Disclosures reviewed by Kunkle (ASH staff), Eddrika Russell (ASH staff), Pai (GOS)
Participation approved by Menaka Pai, ASH Guideline Oversight Subcommittee
Date June 11, 2020
Section 3. Disclosures During Participation

<table>
<thead>
<tr>
<th>Company</th>
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Section 4. Participation History

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<th>Description</th>
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<tr>
<td>Receive orientation.</td>
<td>June 24, 2020</td>
<td>Yes</td>
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<td>Prioritize guideline questions.</td>
<td>July 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review available evidence.</td>
<td>September 30, 2020</td>
<td>Yes</td>
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<tr>
<td>Form recommendations.</td>
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<td>Yes</td>
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<td>Yes</td>
</tr>
</tbody>
</table>
Menaka Pai, MD, MSc

Associate Professor, Division of Hematology and Thromboembolism
McMaster University
Hamilton, Ontario, Canada

Project
ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

Role
Ex Officio for Guideline Oversight Subcommittee, Member of Guideline Panel

Profile
Dr. Pai is a methodologist and hematologist specializing in thrombosis and laboratory hematology at McMaster University. She has clinical and research expertise in thrombosis. As Chair of ASH’s Guideline Oversight Subcommittee, she is an Ex-Officio Member of the panel, responsible for ensuring guideline development proceeds in accordance with applicable ASH policies and procedures.

[June 17, 2020 profile approved by Dr. Pai]

Disclosures Prior to Participation

<table>
<thead>
<tr>
<th>Direct Financial Interests (End Date)</th>
<th>Check if for spouse</th>
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<tbody>
<tr>
<td>Stock shares worth $813 USD (as of June 6, 2020) with Medtronic. (divested, June 8, 2020)</td>
<td></td>
</tr>
<tr>
<td>Direct payment and transfers of value for travel/honoraria from Novartis for presentation of medical grand rounds at Bluewater Health. (September 11, 2019)</td>
<td></td>
</tr>
<tr>
<td>Direct payment and transfers of value for travel/honoraria from Pfizer to attend advisory committee meeting for Monoferric. (November 8,2019)</td>
<td></td>
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<tr>
<td>Stock shares worth $16,300 USD (as of June 6,2020) with Medtronic. (will be divested by end of June 2020)</td>
<td>x</td>
</tr>
<tr>
<td><strong>Indirect Financial Interests (End Date)</strong></td>
<td><strong>Check if for spouse</strong></td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>Event adjudicator and local investigator for RASET study about Rivaroxaban Anticoagulation for Superficial Vein Thrombosis, funded by Bayer. (October 2018)</td>
<td></td>
</tr>
<tr>
<td>Member of the following ASH panels: Chair – GOS, Member – Publications Committee, Communications Committee, Committee on Quality (ongoing)</td>
<td></td>
</tr>
<tr>
<td>Author of clinical guide on heparins and app on thrombophilia testing for Thrombosis Canada. (December 15, 2020)</td>
<td></td>
</tr>
<tr>
<td>Event adjudicator and local investigator for PEGeD study (D-dimer Testing Tailored to Clinical Pretest Probability in Suspected Pulmonary Embolism), funded by CIHR. (October 2018)</td>
<td></td>
</tr>
<tr>
<td>Local Principal Investigator for CONvalescent Plasma for Hospitalized Adults With COVID-19 Respiratory Illness (CONCOR-1) study, funded by Canadian Blood Services, Héma-Québec, University of Toronto and Université de Montréal. (ongoing)</td>
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<tr>
<th><strong>Other (End Date)</strong></th>
<th><strong>Check if for spouse</strong></th>
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</thead>
<tbody>
<tr>
<td>Clinical specialty: Benign hematology and thromboembolism</td>
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**Agreement to Conflict of Interest Policies and Attestations**

On June 8, 2020, Dr. Menaka Pai agreed to adhere to the policies described herein. No special management considerations.

On August 31, 2020, Dr. Menaka Pai agreed to adhere to the policies described herein. No special management considerations.

**Disclosures During Participation**

<table>
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**Participation History**

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<th><strong>Section</strong></th>
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Part A. Direct Financial Interests

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1. **Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?**

   ☒ No  
   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

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Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☐ No
☒ Yes, as described below:

Add rows as needed for each equity interest.

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<tr>
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<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medtronic</td>
<td>Shares worth $813 USD as of 2020-06-06</td>
<td>All shares were divested as of 2020-06-08</td>
<td></td>
</tr>
</tbody>
</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
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<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
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Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☐ No
☒ Yes, as described below:

- **Column 1**: Name the company.
- **Column 2**: Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.
Column 3  Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each activity.

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<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Novartis</td>
<td>Honorarium and travel support of $2000 CAD ($1489 USD) for presentation of medical grand rounds at Bluewater Health (arms length rounds, no content input from company)</td>
<td>2019-09-11</td>
<td></td>
</tr>
<tr>
<td>Pfizer</td>
<td>Honorarium of $1000 CAD ($745 USD) to attend advisory committee meeting for Monoferric</td>
<td>2019-11-08</td>
<td></td>
</tr>
</tbody>
</table>

My Partner’s or Spouse’s Interests
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☐ No  ☒ Yes, as described below:

Add rows as needed for each interest.

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<tbody>
<tr>
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<td>All shares will be divested by end of June 2020, or sooner on request.</td>
<td></td>
</tr>
</tbody>
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Other Relevant Direct Financial Interests
6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No  ☐ Yes
If yes, please explain:
**Part B. Indirect Financial Interests**

**Institutional Research Funded by For-Profit Healthcare Companies**

1. **Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?**

☑ No

☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bayer (provision of study drug)</td>
<td>RASET study (Rivaroxaban Anticoagulation for Superficial Vein Thrombosis)</td>
<td>Event Adjudicator and Local Investigator</td>
<td>October 2018</td>
</tr>
</tbody>
</table>

**Add rows as needed for each research project.**

**Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies**

2. **Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?**

☐ No

☑ Yes, as described below:

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Name the organization. If known to you, describe any industry funding or support.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Column 2</td>
<td>Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services.</td>
</tr>
<tr>
<td>Column 3</td>
<td>Indicate if your activity was paid or volunteered.</td>
</tr>
<tr>
<td>Column 4</td>
<td>Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”)</td>
</tr>
</tbody>
</table>
Add rows as needed for each organization.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Description and role</th>
<th>Paid or Unpaid?</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Society of Hematology (receives partial funding from for-profit organizations)</td>
<td>Chair – GOS, Member – Publications Committee, Communications Committee, Committee on Quality</td>
<td>Unpaid</td>
<td>Ongoing</td>
<td></td>
</tr>
<tr>
<td>Thrombosis Canada (receives partial funding from for-profit organizations)</td>
<td>Author – clinical guide on heparins, Author – app on thrombophilia testing</td>
<td>Unpaid</td>
<td>2020-05-15</td>
<td></td>
</tr>
</tbody>
</table>

Other Relevant Indirect Financial Interests

3. Do you have other **indirect financial interests** with any: (i) **for-profit healthcare** company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   ☒ No
   ☐ Yes

   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   ☐ No
   ☒ Yes

   If yes, what were those views and where were they made?

   I am a co-author of the VTE prophylaxis chapter in Uptodate (an online medical textbook). We have not directly addressed the topic of COVID-19. I also contributed to ASH’s recent FAQ on pulmonary embolism in COVID-19.

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   ☐ No
   ☒ Yes, as described below:

   Column 1  Name the entity funding the research.
   Column 2  Describe the research project.
   Column 3  Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.
   Column 4  Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

   Add rows as needed for each research project.
<table>
<thead>
<tr>
<th>Funder</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canadian Institutes of Health Research (CIHR)</td>
<td>PEGeD study (D-dimer Testing Tailored to Clinical Pretest Probability in Suspected Pulmonary Embolism)</td>
<td>Event Adjudicator and Local Investigator</td>
<td>October 2018</td>
</tr>
<tr>
<td>Canadian Blood Services</td>
<td>CONvalescent Plasma for Hospitalized Adults With COVID-19 Respiratory Illness (CONCOR-1)</td>
<td>Local Principal Investigator</td>
<td>Ongoing</td>
</tr>
<tr>
<td>Héma-Québec</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Toronto</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Université de Montréal</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes
   
   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes
   
   If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes
Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?

I believe the Chair of my Department, the Head of my Division, and my mentors and colleagues at the University and Hospital would be very supportive of me - no matter what the reaction to these guidelines. They have consistently supported and promoted rigorous, transparent clinical guidelines, and individuals who are involved in their production. They have consistently supported my work in guideline oversight and guideline methodology.

Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☒ No
☐ Yes, as described below:

Column 1 Name the organization.
Column 2 Describe or reference the relevant policy, position, or guidelines.
Column 3 Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines.

Add rows as needed for each organization.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Relevant Policy Position</th>
<th>Your Role</th>
</tr>
</thead>
</table>

Clinical Practice

9. Do you see patients clinically?

☒ Yes
☐ No

If yes, what is your primary specialty or subspecialty?

Benign hematology and thromboembolism
If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☐ No
☒ Yes

If yes, please explain:

I am directly involved in the care of patients with venous and arterial thromboembolic disease. I have and will continue to advise on anticoagulation management, including in patients with COVID-19.

Other

10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:

Expected Interests

11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th>Policy</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>MP</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>MP</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>MP</td>
</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
<td>MP</td>
</tr>
<tr>
<td>• Any direct financial interest of myself or my partner or spouse in any for-profit healthcare company or companies, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
<td></td>
</tr>
<tr>
<td>• Any noneducational speaking by myself on behalf of any for-profit healthcare company (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
<td></td>
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<tr>
<td>• Consulting or advising about the marketing of products by any for-profit healthcare company (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
<td></td>
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<tr>
<td>• Simultaneous participation on guidelines by another organization on the same topic</td>
<td></td>
</tr>
<tr>
<td>• Any undisclosed financial interest in any for-profit healthcare company occurring in the 24 months prior to my participation on these guidelines</td>
<td></td>
</tr>
<tr>
<td>I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.</td>
<td>MP</td>
</tr>
<tr>
<td>At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated</td>
<td>MP</td>
</tr>
</tbody>
</table>
disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.

I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations. MP

I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment. MP

Agreed by Menaka Pai
Date June 8, 2020
Disclosures reviewed by Russell (ASH staff), Kunkle (ASH staff)
Participation approved by Richard Lottenberg, ASH Guideline Oversight Subcommittee
Date June 12, 2020

Section 3. Disclosures During Participation

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Disclosure Date</th>
<th>ASH Internal Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


### Section 4. Participation History

<table>
<thead>
<tr>
<th>Description</th>
<th>End Date</th>
<th>Participated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receive orientation.</td>
<td>June 24, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Prioritize guideline questions.</td>
<td>July 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review available evidence.</td>
<td>September 30, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Form recommendations.</td>
<td>October 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review public comments.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Marc Righini, MD

Full Professor - Group Leader
University of Geneva
Switzerland

Project
ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

Role
Member of Guideline Panel

Profile
Dr. Righini is board-certified in Internal Medicine and in Angiology. He is currently full professor and Head of the Division of Angiology and Hemostasis, Geneva University Hospitals in Switzerland. His primary research interest is the diagnosis and management of venous thromboembolism (VTE) disease. He studied the diagnostic value of signs and symptoms for the diagnosis of VTE, worked on the simplification of diagnostic strategies for pulmonary embolism, and validated the age adjusted cut-off for patients with suspected pulmonary embolism. He is involved in both the ASH and the ESC guidelines for VTE diagnosis.

[June 24, 2020 profile approved by Dr. Righini]

Disclosures Prior to Participation

<table>
<thead>
<tr>
<th>Direct Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>None in past 24 months (June 18, 2020)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Indirect Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local principal investigator for Voyager PAD study, funded by Bayer (October 3, 2020)</td>
<td></td>
</tr>
</tbody>
</table>
**Agreement to Conflict of Interest Policies and Attestations**

On June 19, 2020, Dr. Righini agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

On August 31, 2020, Dr. Righini agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

**Disclosures During Participation**

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description and Date</th>
<th>Management</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Participation History**
Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**
A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest

**Financial interest**
A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity

**Direct financial interest**
A financial interest that is owned by the individual or received directly by the individual

**Indirect financial interest**
A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution

**For-profit healthcare company**
“A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

☒ No

☐ Yes, as described below:

Add rows as needed for each employment relationship.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☒ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☒ No
☐ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
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</tr>
</thead>
</table>

My Partner’s or Spouse’s Interests

5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☒ No

☐ Yes, as described below:

Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Other Relevant Direct Financial Interests

6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☐ No
☒ Yes, as described below:

Column 1 Name the company funding or supporting the research.
Column 2 Briefly describe the research project.
Column 3 Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.
Column 4 Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each research project.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bayer</td>
<td>Voyager PAD study</td>
<td>Local PI</td>
<td>10.03.2020</td>
<td></td>
</tr>
</tbody>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

Column 1 Name the organization. If known to you, describe any industry funding or support.
Column 2 Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services.
Column 3 Indicate if your activity was paid or volunteered.
Column 4 Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each organization.
3. Do you have other indirect financial interests with any: (i) for-profit healthcare company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs

1. Do you have strongly held beliefs related to the topic of these guidelines?

☒ No
☐ Yes

If yes, please explain:

Previously Published Opinions

2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?

☐ No
☒ Yes

If yes, what were those views and where were they made?

Many investigator-driven studies/ ESC guidelines on PE diagnosis and management/ ASH guidelines for VTE diagnosis

Non-Industry Supported Research

3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?

☒ No
☐ Yes, as described below:

<table>
<thead>
<tr>
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<th>End Date</th>
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Institutional Relationships
4. Could your compensation be affected by recommendations on this topic?
   ☒ No
   ☐ Yes
   ☐ Don’t know
   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   ☒ No
   ☐ Yes
   ☐ Don’t know
   If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?
   ☒ No
   ☐ Yes
   ☐ Don’t know
   If yes, please explain:

Career Advancement
7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?
   None

Involvement in Organizations With Relevant Policies, Positions, or Guidelines
8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?
   ☒ No
Yes, as described below:

**Column 1** Name the organization.

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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
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**Clinical Practice**

9. Do you see patients clinically?
   - ☐ No
   - ☒ Yes

   If yes, what is your primary specialty or subspecialty?

   Internal medicine/ Angiology

   If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

   - ☐ No
   - ☒ Yes

   If yes, please explain:

   Standard vascular medicine practice

**Other**

10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

   - ☒ No
   - ☐ Yes

   If yes, please describe:
Expected Interests

11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☐ No
☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

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<td>MR</td>
</tr>
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<td>MR</td>
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At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.

| I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations. |

| I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment. |

| Agreed by | Marc Righini |
| Date | 19.06.2020 |
| Disclosures reviewed by | Russell (ASH staff), Pai (GOS) |
| Participation approved by | Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee |
| Date | June 19, 2020 |
Section 3. Disclosures During Participation

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Disclosure Date</th>
<th>ASH Internal Notes</th>
</tr>
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<tbody>
<tr>
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</table>
## Section 4. Participation History

<table>
<thead>
<tr>
<th>Description</th>
<th>End Date</th>
<th>Participated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receive orientation.</td>
<td>June 24, 2020</td>
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<tr>
<td>Review available evidence.</td>
<td>September 30, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Form recommendations.</td>
<td>October 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review public comments.</td>
<td>October 27, 2020</td>
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</tr>
<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Kristen M. Sanfilippo, MD, MPHS

Assistant Professor, Department of Medicine, Hematology Division
Washington University School of Medicine in St. Louis
St. Louis, MO, United States

Project
ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

Role
Member of Guideline Panel

Profile
Dr. Sanfilippo is a hematologist at Washington University School of Medicine in St. Louis. She has clinical and research expertise in thrombosis, and an interest in practice patterns surrounding anticoagulation in COVID-19 patients. She has taken a leadership role in developing anticoagulation management guidance for COVID-19 patients at her institution.

[June 15, 2020 profile approved by Dr. Sanfilippo]

Disclosures Prior to Participation

<table>
<thead>
<tr>
<th>Direct Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct payments and transfers of value (coffee, meals) from Amgen for attending company meetings (10/8/2019)</td>
<td></td>
</tr>
<tr>
<td>Direct payment and travel/lodging/food from Bayer HealthCare Pharmaceuticals for consulting (12/8/2018)</td>
<td></td>
</tr>
<tr>
<td>Direct payment and travel/food/lodging from AstraZeneca for attending an investigator meeting (11/10/2018)</td>
<td></td>
</tr>
<tr>
<td>Transfer of value (food) from Janssen for a meeting with Amgen to discuss potential research collaborations. (9/26/2018)</td>
<td></td>
</tr>
<tr>
<td>Direct payment and travel/lodging from Pfizer for consulting (10/29/2018)</td>
<td></td>
</tr>
<tr>
<td>Direct payments for expert testimony for an anticoagulant-related bleeding case (10/15/2019)</td>
<td></td>
</tr>
<tr>
<td>Direct payments for expert testimony for a post-operative pulmonary embolism case (5/29/2019)</td>
<td></td>
</tr>
</tbody>
</table>

### Indirect Financial Interests (End Date)

| Principal investigator for a trial funded by AstraZeneca comparing abiraterone/olaparib vs. abiraterone/placebo for metastatic castrate-resistant prostate cancer. All funding to the Veterans Administration. (12/31/2019) Dr. Sanfilippo is in the process of transferring PI to a colleague, effective 6/1/2020. |
| Site principal investigator for an observational study about prostate cancer funded by Astellas Pharma Global. All funding to the Veterans Administration. (7/14/19) Dr. Sanfilippo is in the process of transferring PI to a colleague, effective 6/1/2020. |

### Other (End Date)

| Clinical specialty: Hematology/Venous Thromboembolism (VTE) and Oncology/Prostate Cancer (ongoing) |
| Second author on an observational study regarding survey analysis of practice patterns for COVID-coagulopathy. The article summarized the current literature and describe current practice patterns based on survey responses. It is under review at RPTH. |
| Co-administered Medicine GrandRounds on COVID Coagulopathy at WUSTL. |
| Co-wrote institutional guidelines for COVID coagulopathy at WUSTL. |
| Principal investigator for research funded by the American Cancer Society about the risk of VTE in myeloma (biomarkers) (ongoing; expected to end 12/31/2020) |
| Principal investigator for research funded by NHLBI about the risk of VTE in myeloma (risk prediction model) (ongoing; expected to end 12/31/2020) |
| Principal investigator for research funded by NIH Loan Repayment Program and NHLBI about the risk of VTE in myeloma. (6/30/2019) |

---

**Agreement to Conflict of Interest Policies and Attestations**

On June 7, 2020, Dr. Sanfilippo agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

On August 31, 2020, Dr. Sanfilippo agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.
### Disclosures During Participation

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description and Date</th>
<th>Management</th>
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<tbody>
<tr>
<td>8/31/2020</td>
<td>Dr. Sanfilippo received direct payments of $2,100 from Health Services Advisory Group for serving as Research Consultant on Risk factors for anticoagulant associated bleeding.</td>
<td>Disclosure</td>
</tr>
<tr>
<td>8/31/2020</td>
<td>Dr. Sanfilippo received direct payments of $900 from Covington &amp; Burling LLP for an expert case review of a now closed case on anticoagulant associated bleeding.</td>
<td>Disclosure</td>
</tr>
<tr>
<td>10/30/2020</td>
<td>Dr. Sanfilippo received a NIH loan repayment program award; expected to end 6/30/2021. This activity is not related to the guideline topic.</td>
<td>Disclosure</td>
</tr>
<tr>
<td>11/2/2020</td>
<td>To clarify the disclosures above, Dr. Sanfilippo confirmed that she received transfers of value, not direct payments, for the Amgen and AstraZeneca activities that occurred on 10/8/2019 and 11/10/2018.</td>
<td></td>
</tr>
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Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**
A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest.

**Financial interest**
A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity.

**Direct financial interest**
A financial interest that is owned by the individual or received directly by the individual.

**Indirect financial interest**
A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution.

**For-profit healthcare company**
“A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

   ☒ No

   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

<table>
<thead>
<tr>
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</tr>
</thead>
</table>

For ASH Internal Use
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☐ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

<table>
<thead>
<tr>
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<tbody>
<tr>
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</tr>
</tbody>
</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
<thead>
<tr>
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<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☐ No
☒ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Amgen Inc $114.24</td>
<td>Study Meeting Meal (Discuss Prostate Cancer Research possibilities using VA data)</td>
<td>8/21/2019</td>
<td></td>
</tr>
<tr>
<td>Amgen Inc $8.81</td>
<td>Coffee Meeting (Nplate)</td>
<td>10/08/2019</td>
<td></td>
</tr>
<tr>
<td>Amgen Inc $5.01</td>
<td>Coffee Meeting (Nplate)</td>
<td>2/19/2019</td>
<td></td>
</tr>
<tr>
<td>Amgen Inc $26.03</td>
<td>Lunch Meeting (Xgeva)</td>
<td>6/17/2019</td>
<td></td>
</tr>
<tr>
<td>AstraZeneca $1253.49</td>
<td>Travel/Lodging/Food for Mandatory Investigator Meeting (see indirect below)</td>
<td>11/10/2018</td>
<td></td>
</tr>
<tr>
<td>Bayer HealthCare Pharmaceuticals $5000.00</td>
<td>Consulting Fee – Radium 223</td>
<td>12/08/2018</td>
<td></td>
</tr>
<tr>
<td>Bayer HealthCare Pharmaceuticals $1234.69</td>
<td>Travel/Lodging Food for Consulting Meeting (above)</td>
<td>12/08/2018</td>
<td></td>
</tr>
<tr>
<td>Janssen $111.39</td>
<td>Food (unsure reason)</td>
<td>9/26/2018</td>
<td></td>
</tr>
<tr>
<td>Pfizer $2925.00</td>
<td>Consulting Fee (Understanding patients with cancer associated thrombosis)</td>
<td>10/29/2018</td>
<td></td>
</tr>
<tr>
<td>Pfizer $265.16</td>
<td>Travel/Lodging (for above consulting)</td>
<td>10/29/2018</td>
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</table>

My Partner’s or Spouse’s Interests
5. Currently or in the past 24 months has *your partner or spouse* had any of the interests or relationships described in questions 1-4?

☒ No

☐ Yes, as described below:

Add rows as needed for each interest.
6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☐ No
☒ Yes

If yes, please explain: I do not believe relevant to the work of developing these guidelines; however, for the sake of completeness have listed everything.

Expert Review (No testimony, no court)
1. Anticoagulant-Related Bleeding Malpractice Case: $4811.25, work ended 10/15/2019
Part B. Indirect Financial Interests
Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☐ No
☒ Yes, as described below:

Column 1 Name the company funding or supporting the research.
Column 2 Briefly describe the research project.
Column 3 Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.
Column 4 Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each research project.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>AstraZeneca Pharmaceuticals LP</td>
<td>Prostate cancer trial at the VA. Funds paid to the VA and cover the cost of the research coordinator.</td>
<td>Site PI</td>
<td>Last payment 12/31/19</td>
<td></td>
</tr>
<tr>
<td>$13,297.13</td>
<td>Abiraterone/Olaparib vs. Abiraterone/Placebo for first-line mCRPC</td>
<td>This study is closed to accrual.</td>
<td>Last payment 12/31/19</td>
<td></td>
</tr>
<tr>
<td></td>
<td>I am in the process of transferring PI to my colleague effective date 6/1/2020</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organization</td>
<td>Description and role</td>
<td>Paid or Unpaid?</td>
<td>End Date</td>
<td>For ASH Internal Use</td>
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</tr>
<tr>
<td>Astellas Pharma Global</td>
<td>Prostate cancer trial at the VA. (Observational study). Funds paid to the VA and cover the cost of the research coordinator. Site PI</td>
<td>This study is closed to accrual. I am in the process of transferring PI to my colleague effective date 6/1/2020</td>
<td>Last payment 7/14/19</td>
<td></td>
</tr>
</tbody>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No

☐ Yes, as described below:

Column 1  Name the organization. If known to you, describe any industry funding or support.

Column 2  Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services.

Column 3  Indicate if your activity was paid or volunteered.

Column 4  Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each organization.

Other Relevant Indirect Financial Interests

3. Do you have other indirect financial interests with any: (i) for-profit healthcare company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?
☒ No
☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   ☒ No
   ☐ Yes
   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   ☐ No
   ☒ Yes
   If yes, what were those views and where were they made?
   1. I am second author on an observational study regarding survey analysis of practice patterns for COVID-coagulopathy. The article summarized the current literature and describe current practice patterns based on survey responses. It is under review at RPTH.
   2. I co-administered Medicine GrandRounds on COVID Coagulopathy at WUSTL
   3. I co-wrote institutional guidelines for COVID Coagulopathy at WUSTL

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   ☒ No: I do not believe my research is relevant to the topic of these guidelines, however, listed all funded research for the sake of completeness.
   ☐ Yes, as described below:

   Column 1  Name the entity funding the research.
   Column 2  Describe the research project.
   Column 3  Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.
   Column 4  Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each research project.

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<tr>
<th>Funder</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Cancer Society IRG-18-158-61-04</td>
<td>Risk of VTE in Myeloma (Biomarkers)</td>
<td>PI</td>
<td>12/31/2020</td>
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<tr>
<td>NHLBI 1K01HL136893-01</td>
<td>Risk of VTE in Myeloma (Risk Prediction Model)</td>
<td>PI</td>
<td>12/31/2020</td>
</tr>
<tr>
<td>NIH Loan Repayment Program NHLBI</td>
<td>Risk of VTE in Myeloma</td>
<td>PI</td>
<td>6/30/2019</td>
</tr>
</tbody>
</table>

Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?

☐ Don’t know
☒ No
☐ Yes

If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?

☐ Don’t know
☒ No
☐ Yes

If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?

☐ Don’t know
☒ No
☐ Yes
If yes, please explain:

Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?

To my knowledge, the only relation to my institution would be for consideration of my next promotion to Associate Professor.

Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☒ No
☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Column 1 Name the organization.</th>
<th>Column 2 Describe or reference the relevant policy, position, or guidelines.</th>
<th>Column 3 Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines.</th>
</tr>
</thead>
</table>

Add rows as needed for each organization.

Clinical Practice

9. Do you see patients clinically?

☐ No
☒ Yes

If yes, what is your primary specialty or subspecialty?

Hematology/Venous Thromboembolism (at WUSTL and the VA)

Oncology/Prostate Cancer (at the VA)
If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☐ No
☒ Yes

If yes, please explain: I order laboratory tests such as d-dimer to direct the care of my VTE patients as well as venous doppler US and CT scans.

Other
10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:

Expected Interests
11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:

I am applying for research funding, non-profit/governmental, related to cancer-associated thrombosis.
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th>Policy</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>kms</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>kms</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>kms</td>
</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
<td>kms</td>
</tr>
<tr>
<td>• Any direct financial interest of myself or my partner or spouse in any for-profit healthcare company or companies, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
<td></td>
</tr>
<tr>
<td>• Any noneducational speaking by myself on behalf of any for-profit healthcare company (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
<td></td>
</tr>
<tr>
<td>• Consulting or advising about the marketing of products by any for-profit healthcare company (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
<td></td>
</tr>
<tr>
<td>• Simultaneous participation on guidelines by another organization on the same topic</td>
<td></td>
</tr>
<tr>
<td>• Any undisclosed financial interest in any for-profit healthcare company occurring in the 24 months prior to my participation on these guidelines</td>
<td></td>
</tr>
<tr>
<td>I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.</td>
<td>kms</td>
</tr>
<tr>
<td>At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated</td>
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disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.

I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.  

I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.

Agreed by Kristen Sanfilippo  
Date 6/7/2020  
Disclosures reviewed by Russell (ASH staff), Kunkle (ASH staff), Pai (GOS)  
Participation approved by Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee  
Date June 11, 2020
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<td>September 30, 2020</td>
<td>Yes</td>
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<td>Form recommendations.</td>
<td>October 8, 2020</td>
<td>Yes</td>
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Role
Member of Guideline Panel

Profile
Dr. Schünemann is an internist and methodologist at McMaster University. He cares for patients with COVID-19, and was involved in the development of ASH’s VTE guidelines. He brings methodologic expertise and deep experience with GRADE to these guidelines.

[June 16, 2020 profile approved by Dr. Schünemann]

Disclosures Prior to Participation Section 1

<table>
<thead>
<tr>
<th>Direct Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>None in past 24 months (June 12, 2020)</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Indirect Financial Interests (End Date)</th>
<th>Check if for spouse</th>
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</thead>
<tbody>
<tr>
<td>Unpaid volunteer for Evidence Prime to support GRADEpro development. (ongoing)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical specialty: Internal medicine</td>
<td></td>
</tr>
<tr>
<td>Principal investigator for ASH for doing methods work and systematic reviews. (ongoing)</td>
<td></td>
</tr>
</tbody>
</table>
Agreement to Conflict of Interest Policies and Attestations  

Section 2

On June 12, 2020, Dr. Schünemann agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

On September 14, 2020, Dr. Schünemann agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

Disclosures During Participation  

Section 3

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description and Date</th>
<th>Management</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Participation History  

Section 4
Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**
A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest.

**Financial interest**
A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity.

**Direct financial interest**
A financial interest that is owned by the individual or received directly by the individual.

**Indirect financial interest**
A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution.

**For-profit healthcare company**
“A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any *for-profit healthcare company*?

   ☒ No

   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☐ No

☐ Yes, as described below:

Add rows as needed for each equity interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
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</tr>
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</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☐ No

☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☐ No

☐ Yes, as described below:

Column 1  Name the company.

Column 2  Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3  Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

My Partner’s or Spouse’s Interests
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☑ No

☐ Yes, as described below:

Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Other Relevant Direct Financial Interests
6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☐ No

☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests
Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

Column 1   Name the company funding or supporting the research.
Column 2   Briefly describe the research project.
Column 3   Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.
Column 4   Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each research project.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

Column 1   Name the organization. If known to you, describe any industry funding or support.
Column 2   Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services.
Column 3   Indicate if your activity was paid or volunteered.
Column 4   Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each organization.
<table>
<thead>
<tr>
<th>Organization</th>
<th>Description and role</th>
<th>Paid or Unpaid?</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evidence Prime</td>
<td>Support with GRADEpro</td>
<td>Unpaid</td>
<td>ongoing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>development</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Other Relevant Indirect Financial Interests

3. Do you have other **indirect financial interests** with any: (i) **for-profit healthcare** company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   ☒ No
   ☐ Yes
   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   ☐ No
   ☒ Yes
   If yes, what were those views and where were they made? ASH VTE guidelines on prevention and treatment.

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   ☐ No
   ☒ Yes, as described below:

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3</th>
<th>Column 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name the entity funding the research.</td>
<td>Describe the research project.</td>
<td>Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.</td>
<td>Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)</td>
</tr>
</tbody>
</table>

Add rows as needed for each research project.
ASH
Funding from ASH for doing methods work and systematic reviews.
PI
ongoing

Institutional Relationships
4. Could your compensation be affected by recommendations on this topic?
   ☒ No
   ☐ Yes
   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   ☒ No
   ☐ Yes
   If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?
   ☐ Don’t know
   ☑ No
   ☐ Yes
   If yes, please explain:

Career Advancement
7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?
Research publications lead to career advancement and it will undoubtedly help me although I have advanced in my career and the additional gain is marginal.

**Involvement in Organizations With Relevant Policies, Positions, or Guidelines**

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☒ No

☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Column 1 Name the organization.</th>
<th>Column 2 Describe or reference the relevant policy, position, or guidelines.</th>
<th>Column 3 Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines.</th>
</tr>
</thead>
</table>

Add rows as needed for each organization.

Clinical Practice

9. Do you see patients clinically?

☐ No

☒ Yes

If yes, what is your primary specialty or subspecialty?

Internal medicine.

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☐ No

☒ Yes

If yes, please explain: LMWH, tests for DVT/PE
Other

10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please describe:

Expected Interests

11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th>Policy</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>HJS</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>HJS</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>HJS</td>
</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
<td>HJS</td>
</tr>
<tr>
<td>• Any direct financial interest of myself or my partner or spouse in any for-profit healthcare company or companies, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
<td>HJS</td>
</tr>
<tr>
<td>• Any noneducational speaking by myself on behalf of any for-profit healthcare company (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
<td>HJS</td>
</tr>
<tr>
<td>• Consulting or advising about the marketing of products by any for-profit healthcare company (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
<td>HJS</td>
</tr>
<tr>
<td>• Simultaneous participation on guidelines by another organization on the same topic</td>
<td>HJS</td>
</tr>
<tr>
<td>• Any undisclosed financial interest in any for-profit healthcare company occurring in the 24 months prior to my participation on these guidelines</td>
<td>HJS</td>
</tr>
<tr>
<td>I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.</td>
<td>HJS</td>
</tr>
<tr>
<td>At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated</td>
<td>HJS</td>
</tr>
</tbody>
</table>
disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.

| I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations. | HJS |
| I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment. | HJS |

Agreed by HOLGER SCHUNEMANN

Date June 12, 2020

Disclosures reviewed by Russell (ASH staff), Pai (GOS)

Participation approved by Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee

Date June 12, 2020
Section 3. Disclosures During Participation

<table>
<thead>
<tr>
<th>Company</th>
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## Section 4. Participation History

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<th>Description</th>
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<th>Participated?</th>
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<tbody>
<tr>
<td>Receive orientation.</td>
<td>June 24, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Prioritize guideline questions.</td>
<td>July 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review available evidence.</td>
<td>September 30, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Form recommendations.</td>
<td>October 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review public comments.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Deborah Siegal, MD, MSc
Assistant Professor, Department of Medicine
University of Ottawa Ottawa, Ontario, Canada

Project
ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

Role
Member of Guideline Panel

Profile
Dr. Siegal is a hematologist specializing in thrombosis at McMaster University. She has clinical and research expertise in thrombosis, and interests in the risk of venous thromboembolism after hospitalization for COVID-19, and the impact of COVID-19 on patients with benign hematology conditions.

[June 18, 2020 profile approved by Dr. Siegal]

Disclosures Prior to Participation

<table>
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<tr>
<th>Direct Financial Interests (End Date)</th>
<th>Check if for spouse</th>
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<tbody>
<tr>
<td>Direct payments from BMS-Pfizer for consulting (April 31, 2020)</td>
<td></td>
</tr>
<tr>
<td>Direct payments from Leo Pharma for consulting (May 14, 2020)</td>
<td></td>
</tr>
<tr>
<td>Direct payments from Portola for consulting (October 27, 2019)</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Indirect Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-investigator for research study on inflammation in Ph Negative MPNs (non-interventional, investigator initiated) funded by Novartis (ongoing)</td>
<td></td>
</tr>
</tbody>
</table>
Unpaid member of board of directors for Thrombosis Canada (ongoing)

<table>
<thead>
<tr>
<th>Other (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical specialty: Hematology/Thrombosis Medicine</td>
<td></td>
</tr>
<tr>
<td>Previous published opinions on Thrombosis and COVID-19: FAQs for Current Practice (ACC). See Section 1, Part C, for publication.</td>
<td></td>
</tr>
<tr>
<td>Principal investigator for research study on risk of Venous Thromboembolism after Hospitalization for COVID-19 (non-interventional cohort study); currently under review by CIHR and PSI Foundation</td>
<td></td>
</tr>
</tbody>
</table>

Agreement to Conflict of Interest Policies and Attestations

On June 9, 2020, Dr. Siegal agreed to adhere to the policies described herein. No special management considerations or recusals required.

On September 14, 2020, Dr. Siegal agreed to adhere to the policies described herein. No special management considerations or recusals required.

Disclosures During Participation

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description and Date</th>
<th>Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/30/2020</td>
<td>The research study on risk of Venous Thromboembolism after Hospitalization for COVID-19 (non-interventional cohort study) [mentioned above] was funded by CIHR (not funded by PSI Foundation).</td>
<td>Disclosure only</td>
</tr>
<tr>
<td>10/30/2020</td>
<td>On October 13, 2020, Dr. Siegal conducted an educational presentation for Thrombosis Canada (a not-for-profit organization) as part of World Thrombosis Day on Cancer Associated Thrombosis. She has not received an honorarium for this presentation. Thrombosis Canada will be paying an honorarium to her institution – Ottawa Hospital Research Institute.</td>
<td>Disclosure only</td>
</tr>
</tbody>
</table>

Participation History

Section 4
Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**
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Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

   ☑ No

   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

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</tr>
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</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☒ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

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<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
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Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
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<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☐ No
☒ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

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<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMS-Pfizer</td>
<td>consultant meetings, presentation</td>
<td>April 31, 2020</td>
<td></td>
</tr>
<tr>
<td>Leo Pharma</td>
<td>consultant meetings</td>
<td>May 14, 2020</td>
<td></td>
</tr>
<tr>
<td>Portola</td>
<td>consultant meetings</td>
<td>October 27, 2019</td>
<td></td>
</tr>
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</table>

My Partner’s or Spouse’s Interests
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☑ No
☐ Yes, as described below:

Add rows as needed for each interest.

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<tr>
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<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Other Relevant Direct Financial Interests
6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☑ No
☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☐ No
☒ Yes, as described below:

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Novartis</td>
<td>Inflammation in Ph Negative MPNs (non-interventional, investigator initiated)</td>
<td>Co-investigator</td>
<td>ongoing</td>
<td></td>
</tr>
</tbody>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☐ No
☒ Yes, as described below:

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Name the organization. If known to you, describe any industry funding or support.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Column 2</td>
<td>Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services.</td>
</tr>
<tr>
<td>Column 3</td>
<td>Indicate if your activity was paid or volunteered.</td>
</tr>
<tr>
<td>Column 4</td>
<td>Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”)</td>
</tr>
</tbody>
</table>

Add rows as needed for each research project.
<table>
<thead>
<tr>
<th>Organization</th>
<th>Description and role</th>
<th>Paid or Unpaid?</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thrombosis Canada</td>
<td>Board of Directors</td>
<td>Unpaid</td>
<td>ongoing</td>
<td></td>
</tr>
</tbody>
</table>

Other Relevant Indirect Financial Interests

3. Do you have other **indirect financial interests** with any: (i) **for-profit healthcare** company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs

1. Do you have strongly held beliefs related to the topic of these guidelines?
   - ☒ No
   - ☐ Yes

   If yes, please explain:

Previously Published Opinions

2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   - ☐ No
   - ☒ Yes

   If yes, what were those views and where were they made?

   Thrombosis and COVID-19: FAQs for Current Practice (ACC)


   An FAQ on the potential impact of COVID-19 on thrombotic and/or bleeding risk from ACC's Science and Quality Committee summarize the current data on the risk, potential need for hemostasis/coagulation testing, VTE prophylaxis, and therapeutic anticoagulation in patients with COVID-19 without confirmed/suspected thrombosis.

Non-Industry Supported Research

3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   - ☐ No
   - ☒ Yes, as described below:

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Name the entity funding the research.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Column 2</td>
<td>Describe the research project.</td>
</tr>
<tr>
<td>Column 3</td>
<td>Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.</td>
</tr>
</tbody>
</table>
Column 4  Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each research project.

<table>
<thead>
<tr>
<th>Funder</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under review by CIHR and PSI Foundation</td>
<td>Risk of Venous Thromboembolism after Hospitalization for COVID-19 (non-interventional cohort study)</td>
<td>Principal investigator</td>
<td></td>
</tr>
</tbody>
</table>

Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?

☐ Don’t know
☒ No
☐ Yes

If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?

☐ Don’t know
☒ No
☐ Yes

If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?

☐ Don’t know
☒ No
☐ Yes

If yes, please explain:
Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?

My institution (McMaster University) advocates strongly for methodologically rigorous guideline development. I have the full support of my mentor and institution.

Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☒ No
☐ Yes, as described below:

Column 1 Name the organization.
Column 2 Describe or reference the relevant policy, position, or guidelines.
Column 3 Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines.

Add rows as needed for each organization.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Relevant Policy Position</th>
<th>Your Role</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Clinical Practice

9. Do you see patients clinically?

☐ No
☒ Yes

If yes, what is your primary specialty or subspecialty?

Hematology/Thrombosis Medicine
If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☐ No
☒ Yes

If yes, please explain:

I practice inpatient and outpatient Thrombosis Medicine and advise on the diagnosis and treatment of confirmed or suspected thromboembolism including antithrombotic therapy use. This includes managing assessing antithrombotic therapy in patients at high risk of venous thromboembolism (e.g. post-operative).

Other

10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:

Expected Interests

11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th>Policy</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>DS</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>DS</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>DS</td>
</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
<td>DS</td>
</tr>
<tr>
<td>• Any <strong>direct financial interest</strong> of myself or my partner or spouse in any <strong>for-profit healthcare company or companies</strong>, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
<td>DS</td>
</tr>
<tr>
<td>• Any noneducational speaking by myself on behalf of any <strong>for-profit healthcare company</strong> (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
<td>DS</td>
</tr>
<tr>
<td>• Consulting or advising about the marketing of products by any <strong>for-profit healthcare company</strong> (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
<td>DS</td>
</tr>
<tr>
<td>• Simultaneous participation on guidelines by another organization on the same topic</td>
<td>DS</td>
</tr>
<tr>
<td>• Any <strong>undisclosed</strong> financial interest in any <strong>for-profit healthcare company</strong> occurring in the 24 months prior to my participation on these guidelines</td>
<td>DS</td>
</tr>
<tr>
<td>I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.</td>
<td>DS</td>
</tr>
<tr>
<td>At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated</td>
<td>DS</td>
</tr>
</tbody>
</table>
disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.

I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.

I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.

<table>
<thead>
<tr>
<th>Agreed by</th>
<th>Deborah Siegal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>June 9, 2020</td>
</tr>
<tr>
<td>Disclosures reviewed by</td>
<td>Russell (ASH staff), Kunkle (ASH staff), Pai (GOS)</td>
</tr>
<tr>
<td>Participation approved by</td>
<td>Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee</td>
</tr>
<tr>
<td>Date</td>
<td>June 17, 2020</td>
</tr>
</tbody>
</table>
Section 3. Disclosures During Participation

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Disclosure Date</th>
<th>ASH Internal Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Section 4. Participation History

<table>
<thead>
<tr>
<th>Description</th>
<th>End Date</th>
<th>Participated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receive orientation.</td>
<td>June 24, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Prioritize guideline questions.</td>
<td>July 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review available evidence.</td>
<td>September 30, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Form recommendations.</td>
<td>October 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review public comments.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Project
ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

Role
Member of Guideline Panel

Profile
Mike Skara is 46 years old and lives in Cottage Grove, Minnesota. He currently works two jobs as a Sales Director, for the last 7 years, and a Lieutenant/EMT for 18 years now. He is married with two kids – 21 and 23 years old. One and a half years ago, he was diagnosed with Multiple Myeloma (MM). He is currently in remission and is doing great! In March 2020, Mr. Skara was diagnosed with Covid-19, and was symptomatic for about 2 weeks. He has now recovered and has returned to his immunotherapy for multiple myeloma.

[June 25, 2020 profile approved by Mr. Skara]

Disclosures Prior to Participation

<table>
<thead>
<tr>
<th>Direct Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>None in past 24 months (June 19, 2020)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Indirect Financial Interests (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>None in past 24 months (June 19, 2020)</td>
<td></td>
</tr>
</tbody>
</table>
Agreement to Conflict of Interest Policies and Attestations  
Section 2

On June 24, 2020, Mr. Skara agreed to adhere to the policies described herein. No management considerations, including requirement for recusal.

On September 1, 2020, Mr. Skara agreed to adhere to the policies described herein. No management considerations, including requirement for recusal.

Disclosures During Participation  
Section 3

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description and Date</th>
<th>Management</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Participation History  
Section 4
Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**
A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest.

**Financial interest**
A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity.

**Direct financial interest**
A financial interest that is owned by the individual or received directly by the individual.

**Indirect financial interest**
A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution.

**For-profit healthcare company**
“A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

   ☒ No

   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☒ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☒ No
☐ Yes, as described below:

Column 1 Name the company.

Column 2 Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.

Column 3 Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each activity.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

My Partner’s or Spouse’s Interests
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?
   ☒ No
   ☐ Yes, as described below:
   Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Other Relevant Direct Financial Interests
6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?
   ☒ No
   ☐ Yes
   If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☐ No

☐ Yes, as described below:

Column 1  Name the company funding or supporting the research.

Column 2  Briefly describe the research project.

Column 3  Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.

Column 4  Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each research project.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☐ No

☐ Yes, as described below:

Column 1  Name the organization. If known to you, describe any industry funding or support.

Column 2  Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services.

Column 3  Indicate if your activity was paid or volunteered.

Column 4  Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each organization.
Other Relevant Indirect Financial Interests

3. Do you have other indirect financial interests with any: (i) for-profit healthcare company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   - ☒ No
   - ☐ Yes

   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   - ☒ No
   - ☐ Yes

   If yes, what were those views and where were they made?

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   - ☒ No
   - ☐ Yes, as described below:

   | Column 1 | Name the entity funding the research. |
   | Column 2 | Describe the research project. |
   | Column 3 | Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe. |
   | Column 4 | Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”) |

   Add rows as needed for each research project.
Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?
   □ Don’t know
   ☒ No
   □ Yes

   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   □ Don’t know
   ☒ No
   □ Yes

   If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?
   □ Don’t know
   ☒ No
   □ Yes

   If yes, please explain:

Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?

Involvement in Organizations With Relevant Policies, Positions, or Guidelines

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☒ No
☐ Yes, as described below:

**Column 1** Name the organization.

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<tr>
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<th>Relevant Policy Position</th>
<th>Your Role</th>
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**Clinical Practice**

9. Do you see patients clinically?

☒ No
☐ Yes

If yes, what is your primary specialty or subspecialty?

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☒ No
☐ Yes

If yes, please explain:

**Other**

10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:
Expected Interests

11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
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<th>Initials</th>
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<td>MS</td>
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<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
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</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
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</tr>
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<td>- Consulting or advising about the marketing of products by any for-profit healthcare company (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
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<tr>
<td>- Simultaneous participation on guidelines by another organization on the same topic</td>
<td></td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.</td>
<td>MS</td>
</tr>
<tr>
<td>At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.</td>
<td>MS</td>
</tr>
</tbody>
</table>
I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.

I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.

<table>
<thead>
<tr>
<th>Individual Exceptions to the Above</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>[I agree or understand...describe exceptions here, if allowed...e.g., agreement to allow a specific interest such as working for a specific company, stock ownership, etc. Delete this table if no exceptions allowed.]</td>
<td>MS</td>
</tr>
</tbody>
</table>

Agreed by Mike Skara
Date June 19, 2020
Disclosures reviewed by Russell (ASH Staff), Pai (GOS)
Participation approved by Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee
Date June 26, 2020

Section 3. Disclosures During Participation
### Section 4. Participation History

<table>
<thead>
<tr>
<th>Description</th>
<th>End Date</th>
<th>Participated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receive orientation.</td>
<td>June 30, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Prioritize guideline questions.</td>
<td>July 8, 2020</td>
<td>No</td>
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<tr>
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<td>Yes</td>
</tr>
<tr>
<td>Form recommendations.</td>
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<td>Yes</td>
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<td>Review public comments.</td>
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<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Kamshad Touri

Patient Representative

Vaughan, Ontario, Canada

Project

ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

Role

Member of Guideline Panel

Profile

Kamshad Touri, born in Tehran, Iran, completed medical school in Iran and was a medical officer of health for the southern region, during his underservice area placement.

In 2003, Mr. Touri moved to Canada where he worked as a research assistant in cognitive neurology for 6 years. After completing the physician’s assistant (PA) program at University of Toronto, he worked as a hospitalist PA at Princess Margaret Hospital. Later, he initiated and headed the oncology team within the General Internal Medicine department at Toronto General Hospital.

Since the beginning of the Covid-19 pandemic, his team became the covid-19, cancer team.

[July 6, 2020 profile approved by Mr. Touri]

Disclosures Prior to Participation

<table>
<thead>
<tr>
<th>Direct Financial Interests (End Date)</th>
<th>Check if for spouse</th>
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<tr>
<th>Indirect Financial Interests (End Date)</th>
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<td>None in the past 24 months (June 23, 2020)</td>
<td></td>
</tr>
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</table>
Agreement to Conflict of Interest Policies and Attestations  

On June 23, 2020, Mr. Touri agreed to adhere to the policies described herein. There are no special management considerations, including requirement for recusal.

On September 2, 2020, Mr. Touri agreed to adhere to the policies described herein. There are no special management considerations, including requirement for recusal.

Disclosures During Participation  

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description and Date</th>
<th>Management</th>
</tr>
</thead>
</table>

Participation History  


Section 1. Disclosures Prior to Participation

Definitions

**Conflict of interest**

A situation in which a reasonable person would consider that an individual’s judgments or actions regarding any aspect of the guideline development process is, or could be perceived to be, influenced by an outside interest.

**Financial interest**

A position or relationship held by an individual that offers potential gain or loss of monetary value, such as employment, stock ownership, payment for services, or gifts given with the expectation of reciprocity.

**Direct financial interest**

A financial interest that is owned by the individual or received directly by the individual.

**Indirect financial interest**

A financial interest that is owned or received via an intermediary, e.g., research funding to an individual received through the individual’s academic institution.

**For-profit healthcare company**

“A for-profit entity that develops, produces, markets, or distributes drugs, devices, services, or therapies used to diagnose, treat, monitor, manage, and alleviate health conditions. This definition is not intended to include non-profit entities, entities outside of the healthcare sector, or entities through which physicians provide clinical services directly to patients” (Council of Medical Specialty Societies’ “Code for Interactions With Industry” 2015). This definition is furthermore not viewed by ASH to include companies that provide accredited continuing medical education or that publish scientific or educational content.

Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any for-profit healthcare company?

   ☒ No

   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☒ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☒ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☒ No
☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Name the company.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Column 2</td>
<td>Describe the activity for which you received the income or other transfer of value, e.g., research, consultancy, speakers bureau involvement, service on an advisory committee or board, expert testimony.</td>
</tr>
<tr>
<td>Column 3</td>
<td>Indicate when the activity ended, if applicable. (If the activity has not yet ended, indicate “current” or “ongoing.”)</td>
</tr>
</tbody>
</table>
Add rows as needed for each activity.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

My Partner’s or Spouse’s Interests

5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?

☒ No

☐ Yes, as described below:

Add rows as needed for each interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Other Relevant Direct Financial Interests

6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests

Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

   Column 1  Name the company funding or supporting the research.
   Column 2  Briefly describe the research project.
   Column 3  Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.
   Column 4  Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each research project.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
</table>

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

   Column 1  Name the organization. If known to you, describe any industry funding or support.
   Column 2  Briefly describe your activity and role, e.g., employment, service on board of directors, other volunteer services.
   Column 3  Indicate if your activity was paid or volunteered.
   Column 4  Indicate when your involvement with the organization ended. (If your involvement has not yet ended, indicate “current” or “ongoing.”)

Add rows as needed for each organization.
<table>
<thead>
<tr>
<th>Organization</th>
<th>Description and role</th>
<th>Paid or Unpaid?</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Other Relevant Indirect Financial Interests**

3. Do you have other indirect financial interests with any: (i) for-profit healthcare company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

*If yes, please explain:*
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?

☒ No
☐ Yes
If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?

☒ No
☐ Yes
If yes, what were those views and where were they made?

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?

☒ No
☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3</th>
<th>Column 4</th>
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<tr>
<td>Funder</td>
<td>Description of Research</td>
<td>My Role</td>
<td>End Date</td>
</tr>
</tbody>
</table>

Add rows as needed for each research project.
Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?
   ☒ No
   ☐ Don’t know
   ☐ Yes

   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   ☒ No
   ☐ Don’t know
   ☐ Yes

   If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?
   ☒ No
   ☐ Don’t know
   ☐ Yes

   If yes, please explain:

Career Advancement

7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?
   It does not make any difference in the support I will receive.

Involvement in Organizations With Relevant Policies, Positions, or Guidelines

8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH
guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☒ No
☐ Yes, as described below:

**Column 1** Name the organization.

**Column 2** Describe or reference the relevant policy, position, or guidelines.

**Column 3** Describe your role with the organization, including your involvement in developing, disseminating, or implementing the relevant policy, position, or guidelines.

Add rows as needed for each organization.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Relevant Policy Position</th>
<th>Your Role</th>
</tr>
</thead>
</table>

**Clinical Practice**

9. Do you see patients clinically?

☒ No
☐ Yes

If yes, what is your primary specialty or subspecialty?

Work as Physician Assistant, under supervision of a physician in General Internal Medicine.

If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☒ No
☐ Yes

If yes, please explain:

**Other**

10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:

Expected Interests

11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th>Policy</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>KT</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>KT</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>KT</td>
</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
<td>KT</td>
</tr>
<tr>
<td>• Any direct financial interest of myself or my partner or spouse in any for-profit healthcare company or companies, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
<td>KT</td>
</tr>
<tr>
<td>• Any noneducational speaking by myself on behalf of any for-profit healthcare company (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
<td>KT</td>
</tr>
<tr>
<td>• Consulting or advising about the marketing of products by any for-profit healthcare company (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
<td>KT</td>
</tr>
<tr>
<td>• Simultaneous participation on guidelines by another organization on the same topic</td>
<td>KT</td>
</tr>
<tr>
<td>• Any undisclosed financial interest in any for-profit healthcare company occurring in the 24 months prior to my participation on these guidelines</td>
<td>KT</td>
</tr>
<tr>
<td>I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.</td>
<td>KT</td>
</tr>
<tr>
<td>At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.</td>
<td>KT</td>
</tr>
<tr>
<td>I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.</td>
<td>KT</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.</td>
<td>KT</td>
</tr>
</tbody>
</table>

**Agreed by** Kamshad Touri  
**Date** 23- June- 2020  
**Disclosures reviewed by** Russell (ASH Staff), Pai (GOS)  
**Participation approved by** Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee  
**Date** June 26, 2020
Section 3. Disclosures During Participation

<table>
<thead>
<tr>
<th>Company</th>
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### Section 4. Participation History

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<th>Description</th>
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<tr>
<td>Receive orientation.</td>
<td>June 30, 2020</td>
<td>Yes</td>
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<tr>
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<td>October 27, 2020</td>
<td>Yes</td>
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</tbody>
</table>
Eric Tseng, MD, MSc

Clinician-Teacher

St. Michael's Hospital

Toronto, Ontario, Canada

Project

ASH clinical practice guidelines on the use of anticoagulation in patients with COVID-19

Role

Member of Guideline Panel

Profile

Dr. Tseng is a hematologist specializing in thrombosis at St. Michael’s Hospital. He has clinical and research expertise in thrombosis. As a clinician-teacher, he brings deep expertise and experience in knowledge translation and development of educational materials to support clinical practice guidelines.

[June 17, 2020 profile approved by Dr.Tseng]

Disclosures Prior to Participation

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<thead>
<tr>
<th>Direct Financial Interests (End Date)</th>
<th>Check if for spouse</th>
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<tr>
<td>Served on advisory board for intravenous iron (honorarium of $1,000 CAD) for Fresenius Pharmaceuticals (April 10, 2019)</td>
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</table>

<table>
<thead>
<tr>
<th>Indirect Financial Interests (End Date)</th>
<th>Check if for spouse</th>
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</thead>
<tbody>
<tr>
<td>None in past 24 months (June 10, 2020)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Other (End Date)</th>
<th>Check if for spouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical specialty: Benign hematology, thrombosis medicine</td>
<td></td>
</tr>
</tbody>
</table>
Site investigator and medical monitor in randomized trial of therapeutic vs. standard dose prophylaxis in medical inpatients with COVID-19, funded by St. Michael’s Hospital Foundation. (ongoing; expected to end July 2021)

Agreement to Conflict of Interest Policies and Attestations  Section 2

On June 10, 2020, Dr. Tseng agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

On September 2, 2020, Dr. Tseng agreed to adhere to the policies described herein. No specific management considerations, including recusal requirements.

Disclosures During Participation  Section 3

<table>
<thead>
<tr>
<th>Disclosed</th>
<th>Description and Date</th>
<th>Management</th>
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</thead>
</table>

Participation History  Section 4
Section 1. Disclosures Prior to Participation

Definitions

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Part A. Direct Financial Interests

Employment With For-Profit Healthcare Companies

1. Are you currently or in the past 24 months have you been an employee of any **for-profit healthcare company**?

   ☒ No

   ☐ Yes, as described below:

   Add rows as needed for each employment relationship.

<table>
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</thead>
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<tr>
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<td></td>
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</tbody>
</table>
Equity in For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you had equity in any for-profit healthcare company? Equity includes stock, stock options, and other ownership interests but excludes diversified mutual fund shares.

☑ No
☐ Yes, as described below:

Add rows as needed for each equity interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
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<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Healthcare-Related Patents, Royalties, and Other Intellectual Property

3. Do you currently or in the past 24 months have you owned patents for or received royalties from any intellectual property or product used to diagnose, treat, monitor, manage, or alleviate health conditions?

☑ No
☐ Yes, as described below:

Add rows as needed for each patent or royalty interest.

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Date Divested</th>
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</tr>
</thead>
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<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Personal Income or Other Direct Transfers of Value From For-Profit Healthcare Companies

4. Do you currently or in the past 24 months have you received any personal income or other direct transfers of value (e.g., honoraria, gifts, travel support, meeting registration, meals) from any for-profit healthcare company?

☐ No
☑ Yes, as described below:
<table>
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<tr>
<th>Company</th>
<th>Description</th>
<th>End Date</th>
<th>For ASH Internal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresenius Pharmaceuticals</td>
<td>Advisory Board for intravenous iron (hourarium of $1,000 CAD)</td>
<td>April 10, 2019</td>
<td></td>
</tr>
</tbody>
</table>

My Partner’s or Spouse’s Interests
5. Currently or in the past 24 months has your partner or spouse had any of the interests or relationships described in questions 1-4?
   ☒ No
   ☐ Yes, as described below:

Add rows as needed for each interest.

Other Relevant Direct Financial Interests
6. Do you have other current or recent (within the past 24 months) direct financial interests with any institution, organization, entity or individual that could be relevant to the work of developing these guidelines?
   ☒ No
   ☐ Yes

If yes, please explain:
Part B. Indirect Financial Interests
Institutional Research Funded by For-Profit Healthcare Companies

1. Through your institution, do you currently or in the past 24 months have you been involved in research funded or supported (e.g., in kind support, such as provision of a study drug) by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
</tr>
</thead>
</table>

Add rows as needed for each research project.

Paid and Volunteer Activities for Organizations Supported by For-Profit Healthcare Companies

2. Do you currently or in the past 24 months have you been involved in any volunteer or paid work for an organization that is wholly or partially funded by any for-profit healthcare company?

☒ No
☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Company</th>
<th>Description of Research</th>
<th>Activity Role</th>
<th>Paid or Volunteered</th>
<th>End Date</th>
</tr>
</thead>
</table>

Add rows as needed for each organization.
3. Do you have other indirect financial interests with any: (i) for-profit healthcare company; or (ii) other institution, organization, entity or individual that could be relevant to the work of developing these guidelines?

☒ No

☐ Yes

If yes, please explain:
Part C. Relevant Other Interests That Are Not Mainly Financial

Personal Beliefs
1. Do you have strongly held beliefs related to the topic of these guidelines?
   ☒ No
   ☐ Yes
   If yes, please explain:

Previously Published Opinions
2. Have you ever authored, coauthored, or publicly provided an opinion related to the topic of these guidelines, e.g., a clinical practice guideline, textbook, review article, meeting poster or presentation, grand rounds talk, letter to the editor?
   ☐ No
   ☒ Yes
   If yes, what were those views and where were they made?

   My views were published in a webinar for Thrombosis Canada; the content is accessible here:
   https://www.youtube.com/watch?v=nvyWyXSSQAE&t=2017s

Non-Industry Supported Research
3. Currently or in the past 24 months, have you been involved in a leadership role in any research project not already reported under Part B, Question 1, relevant to the topic of these guidelines, e.g., a research project funded by a nonprofit or governmental organization?
   ☐ No
   ☒ Yes, as described below:

   Column 1 Name the entity funding the research.
   Column 2 Describe the research project.
   Column 3 Describe your role: (a) national or overall principal investigator, (b) member of a steering committee of a study that does not have a principal investigator, (c) site or local investigator. If other than these options, please describe.
   Column 4 Indicate when your involvement ended, if applicable. (If your involvement has not yet ended, indicate “current” or “ongoing.”)
Add rows as needed for each research project.

<table>
<thead>
<tr>
<th>Funder</th>
<th>Description of Research</th>
<th>My Role</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>St. Michael’s Hospital Foundation</td>
<td>RAPID COVID COAG: randomized trial of therapeutic vs. standard dose prophylaxis in medical inpatients with COVID19</td>
<td>Site investigator, Medical monitor</td>
<td>July 2021 (tentative)</td>
</tr>
</tbody>
</table>

Institutional Relationships

4. Could your compensation be affected by recommendations on this topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes

   If yes, please explain:

5. Do you generate revenues for your institution or employer by clinical activity, teaching, speaking, consulting, testifying, writing, or otherwise sharing your knowledge or opinions about this guideline topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes

   If yes, please explain:

6. Could your institution benefit or be harmed by guidelines on this topic?
   - ☐ Don’t know
   - ☒ No
   - ☐ Yes

   If yes, please explain:
Career Advancement
7. How would you characterize the support you would receive from your primary mentor, institution, or other entities if your work on this panel or authorship of these guidelines generated a strong reaction from peers outside your institution?

I would receive tremendous support from my institution and mentors were there to be a positive response to these guidelines.

As an early career academic thrombosis physician, this would be helpful in establishing my area of expertise within the hospital and division which would facilitate future research and quality improvement collaborations, and aid in establishing a thrombosis clinical service. My involvement would also enable my opportunities for knowledge translation and continuing professional development both locally and nationally.

Involvement in Organizations With Relevant Policies, Positions, or Guidelines
8. Are you involved as an employee, volunteer, or member of any organization that has published or to your knowledge is currently developing policies, positions, or guidelines relevant to these ASH guidelines, e.g., clinical practice guidelines, appropriate use criteria, expert consensus statement, mission statement, advocacy statement, amicus brief, or legislature or legal testimony?

☒ No

☐ Yes, as described below:

<table>
<thead>
<tr>
<th>Organization</th>
<th>Relevant Policy Position</th>
<th>Your Role</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Clinical Practice
9. Do you see patients clinically?

☐ No

☒ Yes

If yes, what is your primary specialty or subspecialty?

Benign hematology, thrombosis medicine
If yes, do you prescribe or otherwise recommend clinical interventions (e.g., screening or diagnostic tests, evaluations, treatments, procedures) that may be addressed by these guidelines?

☐ No
☒ Yes

If yes, please explain:

As a clinical hematologist I am involved in order investigations for VTE diagnosis (ultrasound, CT scans, etc.) along with diagnostic tests for COVID. I am also involved in the prophylaxis and treatment of patients with COVID and established thrombosis.

Other

10. Do you have other nonfinancial interests or relationships not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:

Expected Interests

11. Do you expect to enter into, within the next 24 months, any new financial or nonfinancial interests not described above that could be relevant to the work of developing these guidelines?

☒ No
☐ Yes

If yes, please describe:
Section 2. Attestation of Compliance With Conflict of Interest Policies

In consideration of my participation on these guidelines, I hereby certify and agree that:

<table>
<thead>
<tr>
<th>Policy</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>I have reviewed and understand the ASH Principles and Policies on Conflict of Interest published on the ASH website at <a href="https://www.hematology.org/about/governance/conflict-of-interest">https://www.hematology.org/about/governance/conflict-of-interest</a> including the special Policy on Management of Conflicts in the Development of Clinical Practice Guidelines (“ASH Policy”).</td>
<td>ET</td>
</tr>
<tr>
<td>I have disclosed and will continue to disclose completely all potential conflicts of interest for myself and for my partner or spouse, to the best of my ability and knowledge, in accordance with ASH Policy and this Disclosure Form.</td>
<td>ET</td>
</tr>
<tr>
<td>To ensure completeness and avoid discrepancies, I have checked and periodically will check my financial disclosures against other published information, including from the U.S. Centers for Medicare and Medicaid Services’ Open Payments database (or similar non-U.S. database) and explain any discrepant information.</td>
<td>ET</td>
</tr>
<tr>
<td>Until submission of the guidelines for publication, I understand and agree that without special exception from ASH, any of the following will disqualify me from continued participation and I will not enter into:</td>
<td>ET</td>
</tr>
<tr>
<td>• Any direct financial interest of myself or my partner or spouse in any for-profit healthcare company or companies, if such interests in aggregate may be reasonably valued to be &gt;$5,000/year, regardless of relevance to the guidelines</td>
<td>ET</td>
</tr>
<tr>
<td>• Any noneducational speaking by myself on behalf of any for-profit healthcare company (e.g., service on a company “speakers bureau”), regardless of relevance to the guidelines</td>
<td>ET</td>
</tr>
<tr>
<td>• Consulting or advising about the marketing of products by any for-profit healthcare company (e.g., service on a company “advisory board”), regardless of relevance to the guidelines</td>
<td>ET</td>
</tr>
<tr>
<td>• Simultaneous participation on guidelines by another organization on the same topic</td>
<td>ET</td>
</tr>
<tr>
<td>• Any undisclosed financial interest in any for-profit healthcare company occurring in the 24 months prior to my participation on these guidelines</td>
<td>ET</td>
</tr>
<tr>
<td>I understand that if a disqualifying interest is reported, the usual course of action will be dismissal from participation and acknowledgment within the guideline publication rather than authorship.</td>
<td>ET</td>
</tr>
<tr>
<td>At regular intervals during the guideline development process, as determined by ASH, I will review my information in this Disclosure Form; provide updated</td>
<td>ET</td>
</tr>
</tbody>
</table>
disclosures; and, if requested, attest that I do not have any interests that should disqualify my participation.

I agree to publish with the guidelines my complete disclosures, this agreement, and future attestations.

I understand that for 1 year following initial publication of the guidelines, I am encouraged by ASH to avoid new conflicts of interest that could reduce trust in the guidelines, in accordance with my own best judgment.

Agreed by Eric Tseng
Date June 10, 2020
Disclosures reviewed by Russell (ASH staff), Pai (GOS)
Participation approved by Menaka Pai, on behalf of ASH Guideline Oversight Subcommittee
Date June 11, 2020

### Section 3. Disclosures During Participation

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Disclosure Date</th>
<th>ASH Internal Notes</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>
## Section 4. Participation History

<table>
<thead>
<tr>
<th>Description</th>
<th>End Date</th>
<th>Participated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receive orientation.</td>
<td>June 24, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Prioritize guideline questions.</td>
<td>July 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review available evidence.</td>
<td>September 30, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Form recommendations.</td>
<td>October 8, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Review public comments.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>Develop guideline report for publication.</td>
<td>October 27, 2020</td>
<td>Yes</td>
</tr>
</tbody>
</table>