

**Supplemental table 1**

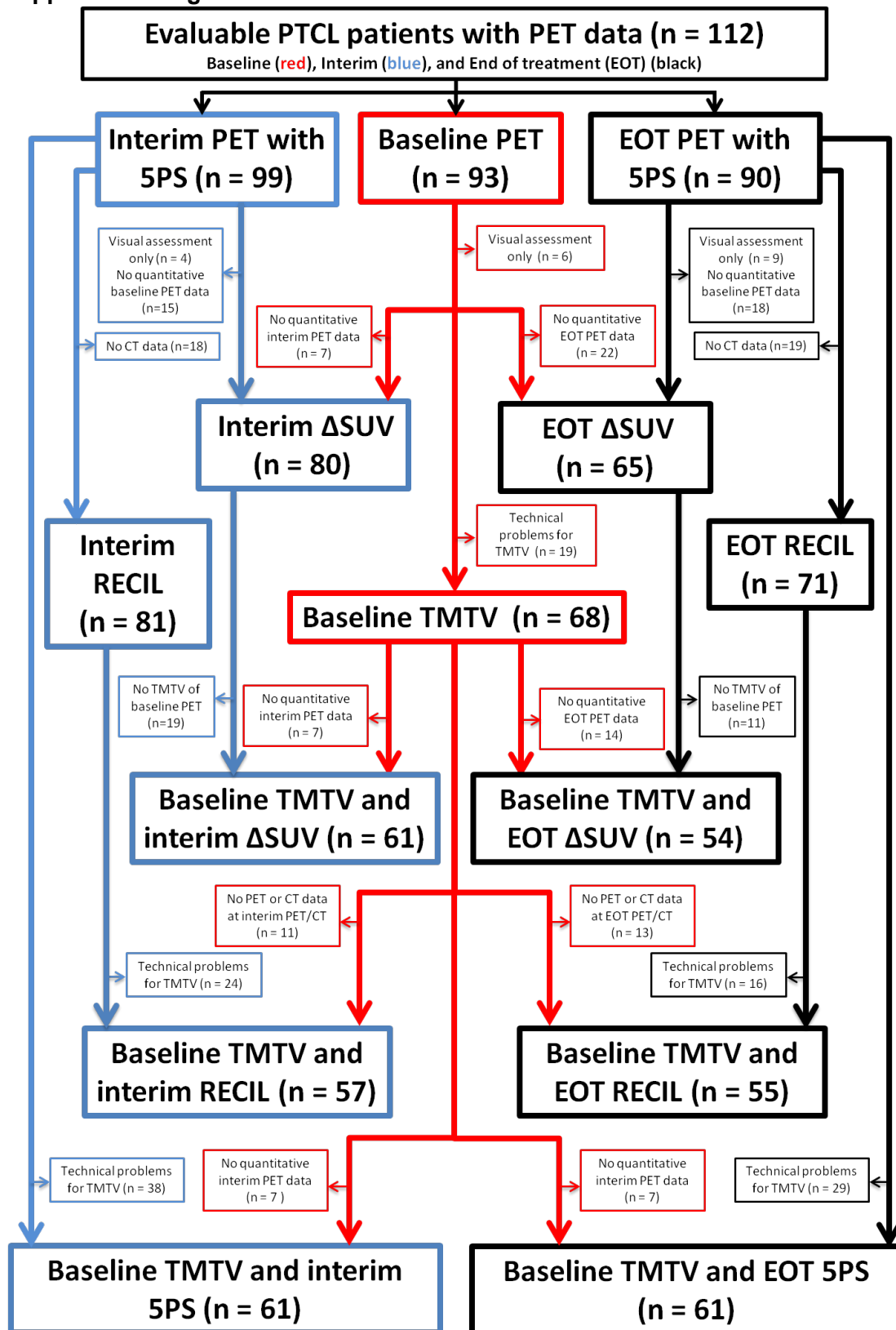
Characteristics	Entire cohort (n = 112)	No. (%)
Age		
>60 years	55 (49)	
Gender		
Male	74 (66)	
Histology		
PTCL-NOS	40 (36)	
AITL	49 (44)	
ALCL, ALK-	23 (20)	
Ann Arbor stage		
I or II	13 (12)	
III or IV	99 (88)	
Performance status (ECOG)		
0-1	79 (71)	
2-3	32 (29)	
NA	1	
Bone marrow involvement		
Yes	31 (28)	
LDH		
Normal	56 (50)	
High	52 (46)	
NA	4(4)	
IPI		
0-3	91 (81)	
4-5	21 (19)	
PIT		
0-1	60 (54)	
2-4	52 (46)	
Treatment		
CHOP/ICE	41 (37)	
CHOEP	25 (22)	
EPOCH	1 (1)	
CHOP	27 (24)	
Other	18 (16)	
Transplant		
Autologous	65 (58)	
Allogeneic	9 (8)	
None	38 (34)	

LDH: lactate dehydrogenase, IPI; international prognostic index, PIT:  
Prognostic index of T cell lymphoma, NA: not available

**Supplemental table 2, Additional models in multivariate analysis**

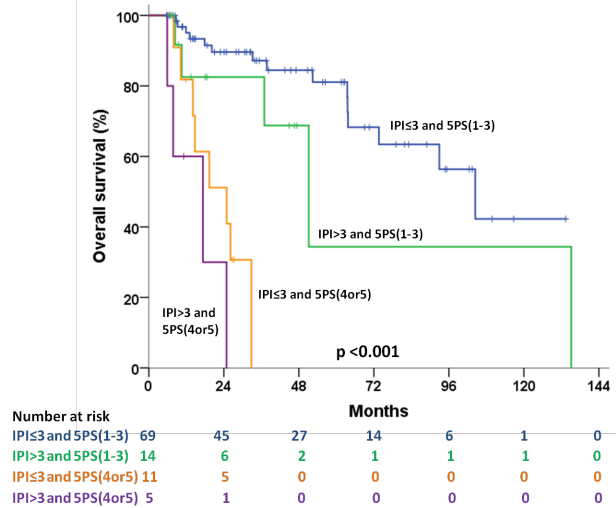
<b>Model 1</b>							
IPI							
>3	2.117	0.926 -4.842	0.076	1.735	0.878 -3.426	0.113	
≤3	1	(reference)		1	(reference)		
Interim 5PS							
4 or 5	10.616	4.216 -26.733	<0.001	3.437	1.750 -6.750	<0.001	
1-3	1	(reference)		1	(reference)		
<b>Model 2</b>							
PIT							
> 1	2.122	1.025 -4.394	0.043	1.711	0.964 -3.036	0.067	
≤ 1	1	(reference)		1	(reference)		
Interim 5PS							
4 or 5	10.277	4.073 -25.931	<0.001	3.441	1.752 -6.757	<0.001	
1-3	1	(reference)		1	(reference)		
<b>Model 3</b>							
IPI							
>3	1.454	0.566 -3.734	0.436	1.309	0.592 -2.893	0.506	
≤3	1	(reference)		1	(reference)		
PIT							
> 1	1.836	0.798 -4.227	0.153	1.535	0.785 -2.998	0.210	
≤ 1	1	(reference)		1	(reference)		
Interim 5PS							
4 or 5	10.243	4.052 – 25.891	<0.001	3.400	1.730 -6.684	<0.001	
1-3	1	(reference)		1	(reference)		

**Supplemental Figure 1**

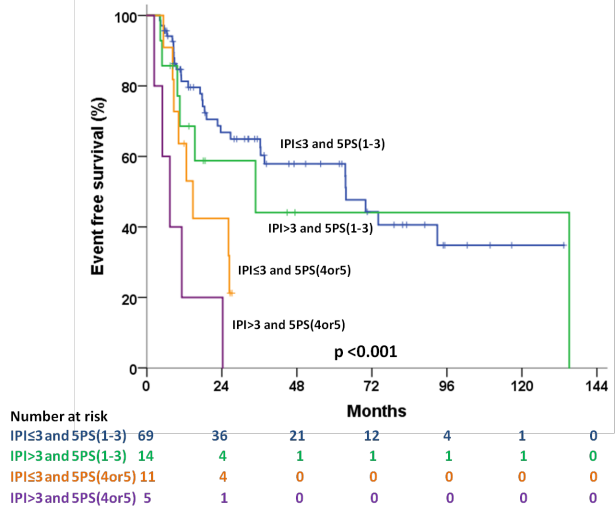


**Supplemental Figure 2.** Survival curves by interim 5PS and IPI

**A. Interim 5PS and IPI (OS)**

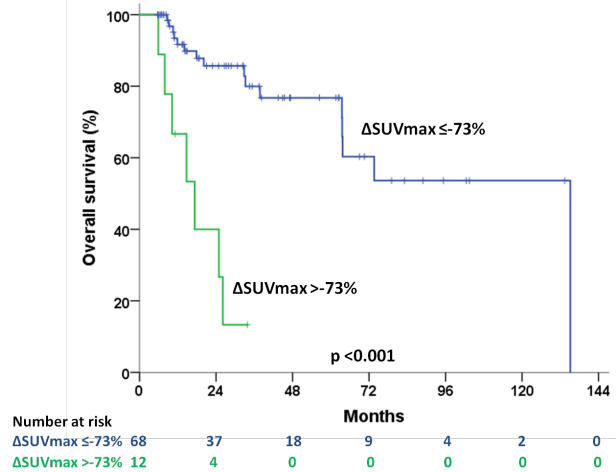


**B. Interim 5PS and IPI (EFS)**

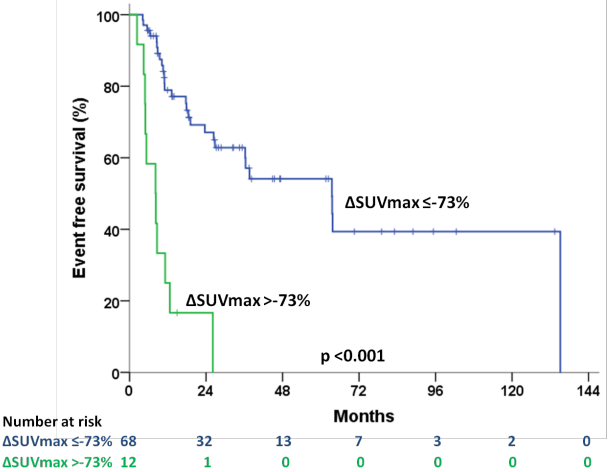


**Supplemental figure 3. Survival curves of interim  $\Delta$ SUV and TMTV**

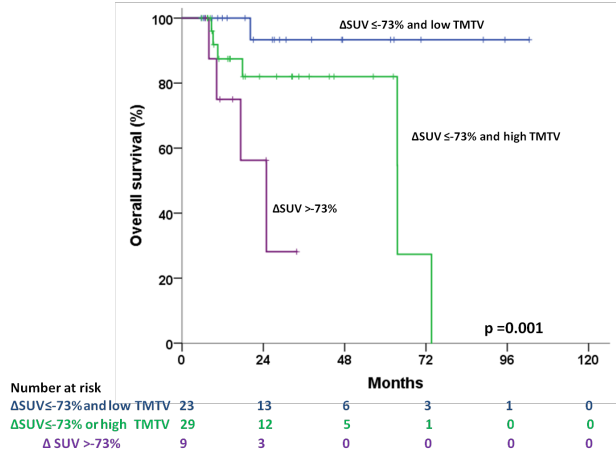
**A. Interim  $\Delta$ SUV (OS)**



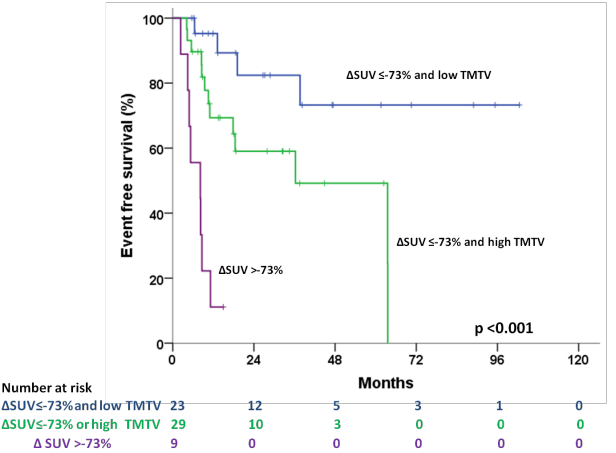
**B. Interim  $\Delta$ SUV (EFS)**



**C. Interim  $\Delta$ SUV and TMTV (OS)**



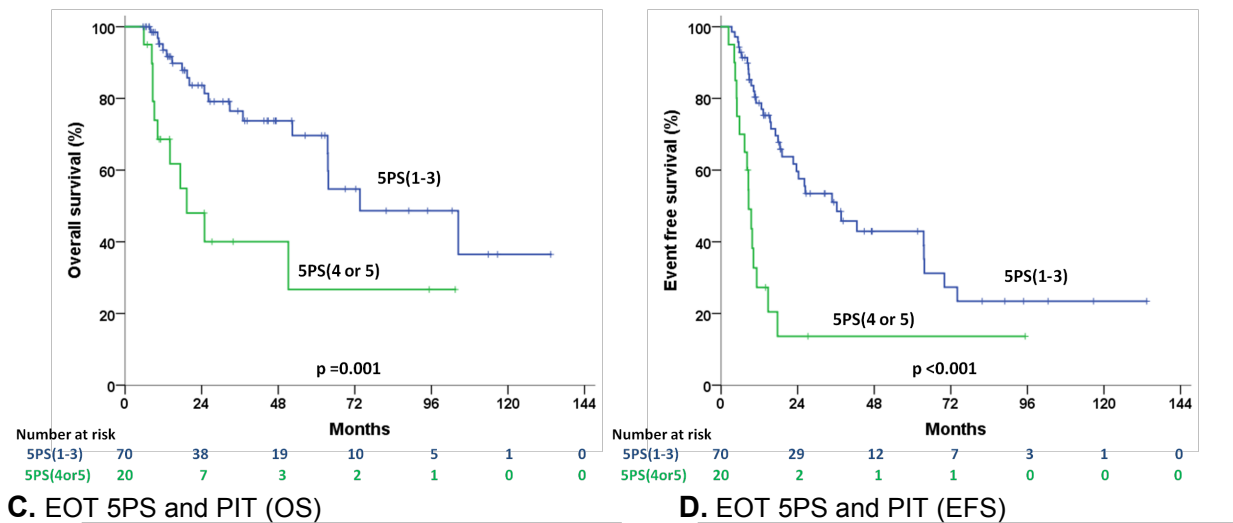
**D. Interim  $\Delta$ SUV and TMTV (EFS)**



**Supplemental Figure 4. Survival curves of EOT 5PS and clinical indices**

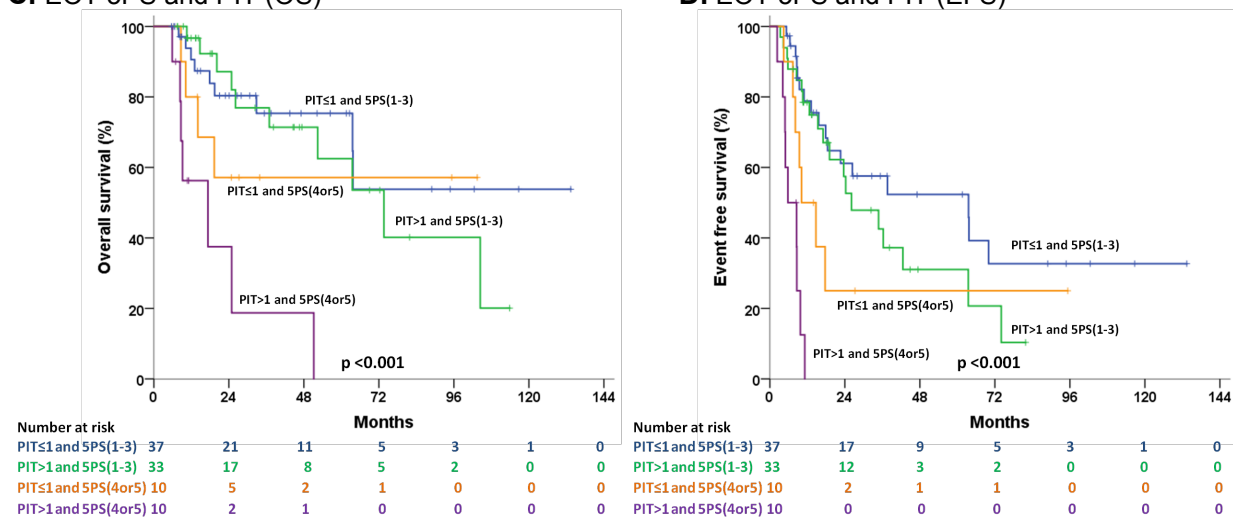
**A. EOT 5PS (OS)**

**B. EOT 5PS (EFS)**



C. EOT 5PS and PIT (OS)

D. EOT 5PS and PIT (EFS)



E. EOT 5PS and IPI (OS)

F. EOT 5PS and IPI (EFS)

