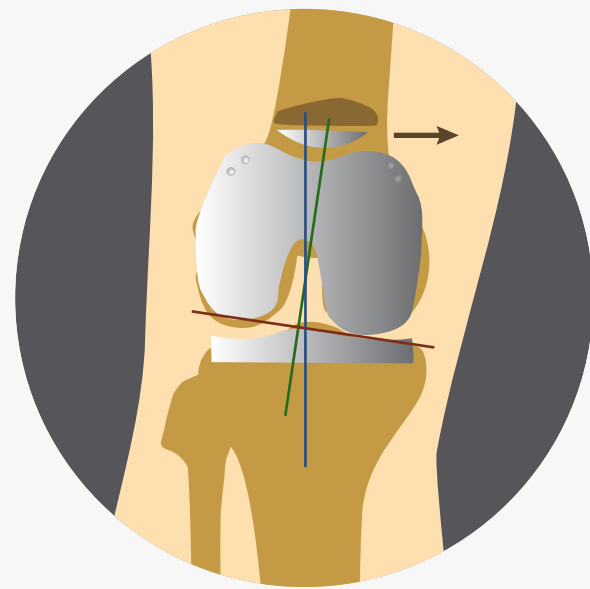


Surgeon-Related Factors Leading to Total Knee Arthroplasty Outliers

Malalignment in Total Knee Arthroplasty (TKA) setting may predispose patients to prosthetic failure...



...but surgeon-specific factors responsible for failure rates have not been fully investigated

Radiographic analysis of 1,570 primary TKAs without complications performed by



High-volume non-trainees (HVNT)
n = 730

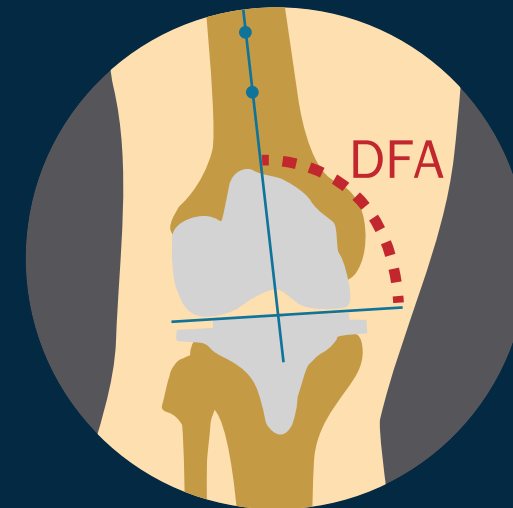


Low-volume non-trainees (LVNT)
n = 230

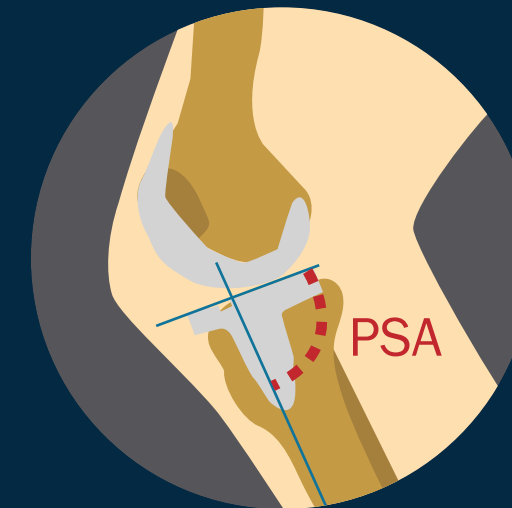
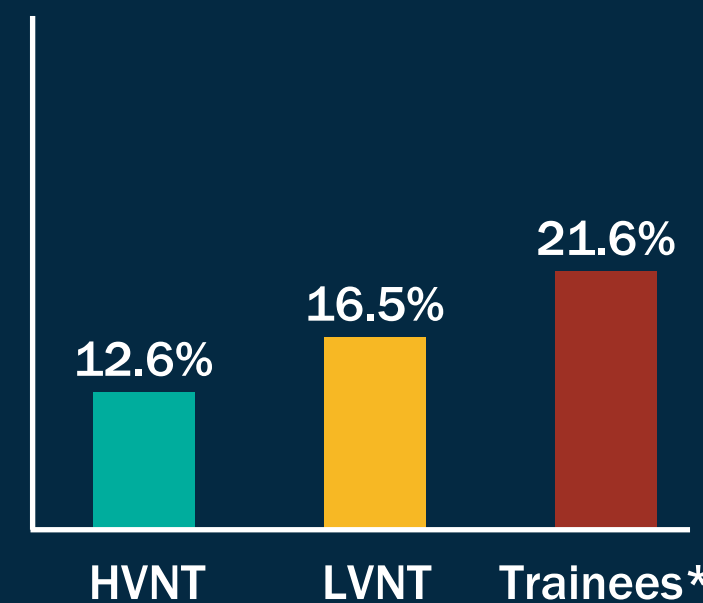


Trainees
n = 610

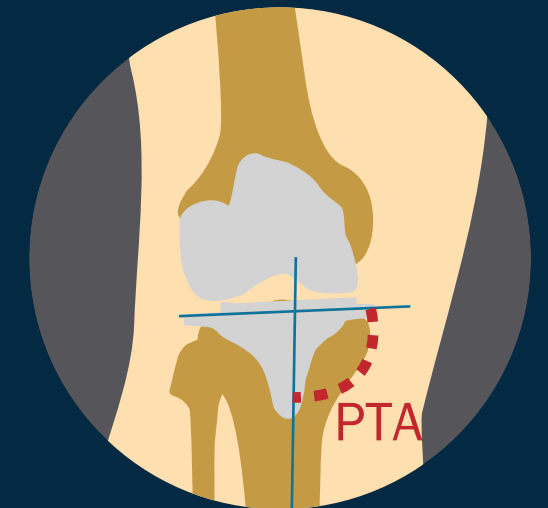
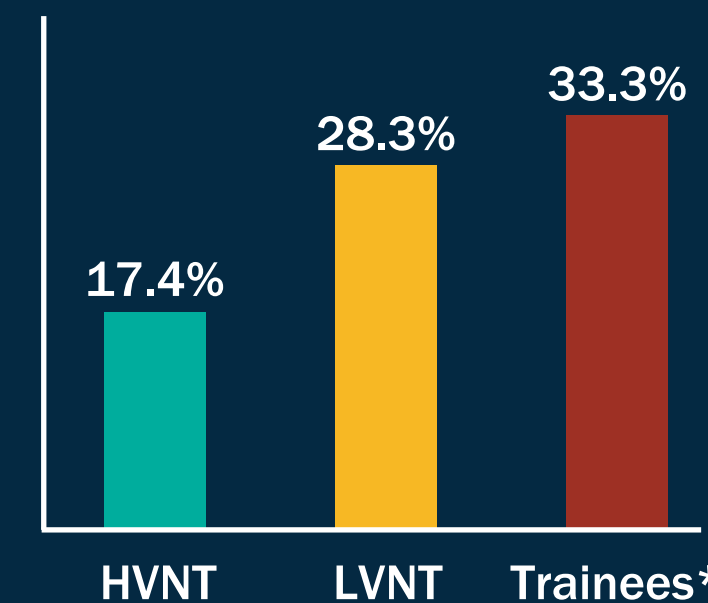
Frequency of outlier measurements



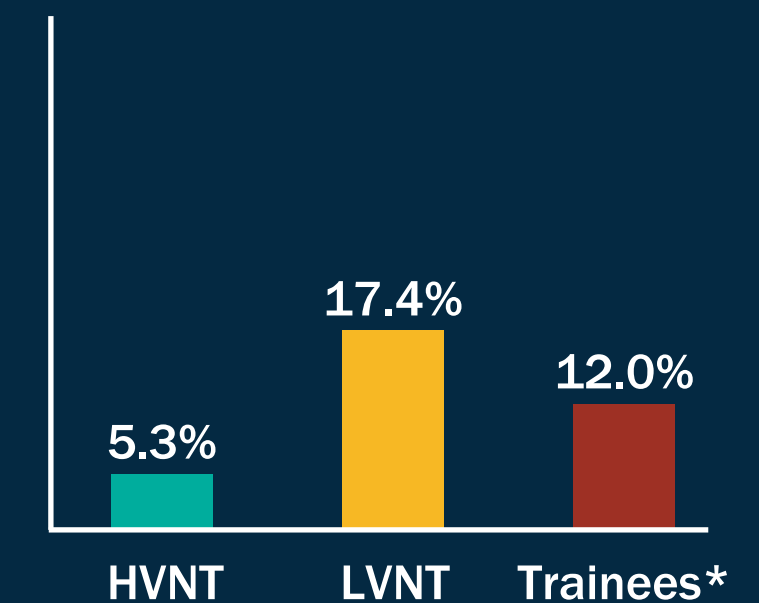
Medial distal femoral angle (DFA)



Posterior tibial slope angle (PSA)



Medial proximal tibial angle (PTA)



*Trainees were not inferior to LVNTs



Low surgical volume and trainee status were risk factors for outlier malalignment in primary TKA

The Impact of Surgeon Volume and Training Status on Implant Alignment in Total Knee Arthroplasty

Kazarian et al. (2019) DOI: 10.2106/JBJS.18.01205

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