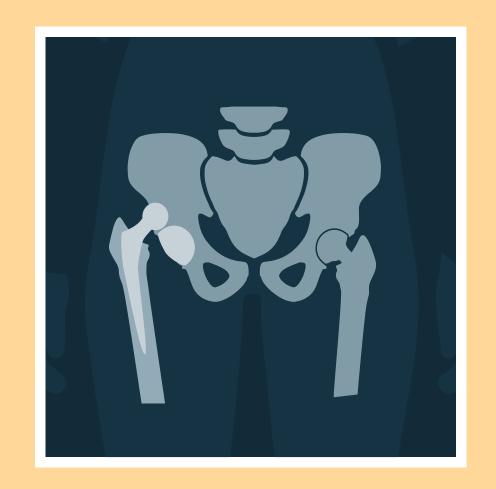
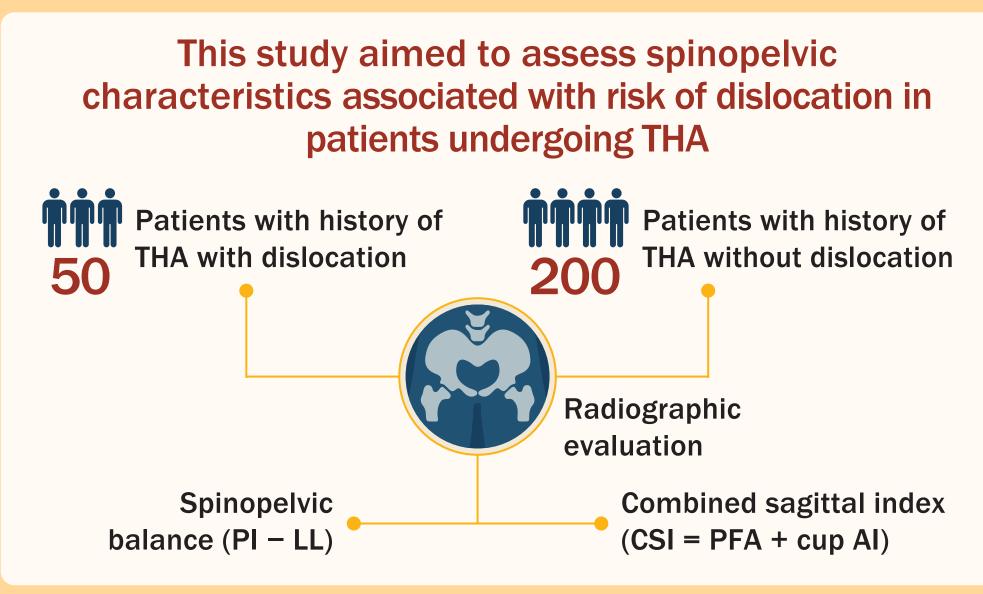
## Radiographic Assessments to Identify Risk of Hip Dislocation Following Total Hip Arthroplasty

Hip instability and dislocation following total hip arthroplasty (THA) are serious conditions that may require revision surgery





## Strongest predictors of hip instability



Spinopelvic balance (PI – LL) parameter



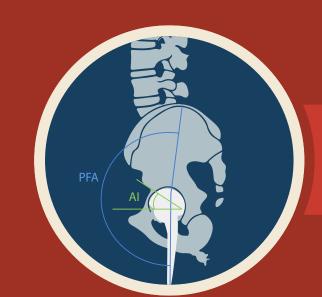
CSI (PFA + cup AI) parameters

## Factors associated with increased dislocation risk

OR: 4.2; 95% CI: 2.2-8.2 p < 0.001

CSI not between 205° and 245°

In patients with unbalanced/rigid lumbar spine...



OR: 5.1; 95% CI: 1.8-14.9 p = 0.001

CSI not between 215° and 235°

(OR: Odds ratio, CI: Confidence interval) (PI: Pelvic incidence, LL: Lumbar Iordosis, PFA: Pelvic-femoral angle, AI: Anteinclination)

Spinopelvic imbalance is a useful screening tool to identify patients at increased risk of dislocation following THA

Integrating the Combined Sagittal Index Reduces the Risk of Dislocation Following Total Hip Replacement

Grammatopoulos et al. (2022) | DOI: 10.2106/JBJS.21.00432







