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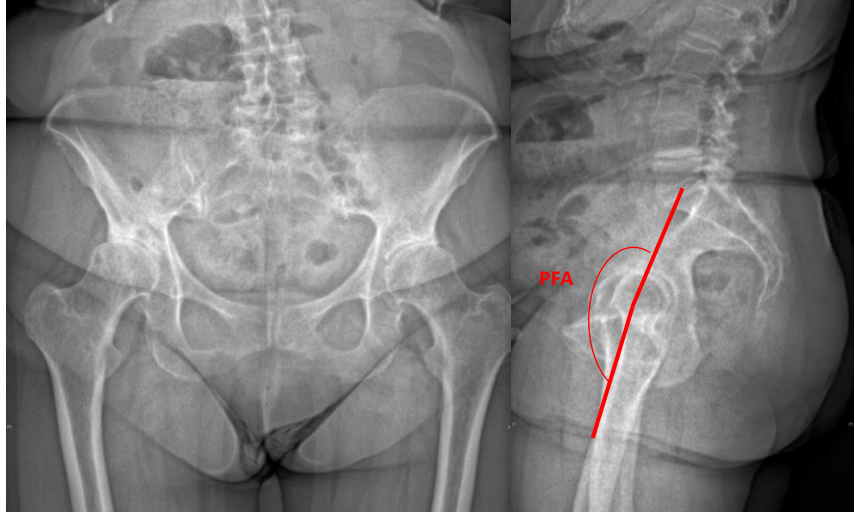
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1. Measure Standing PFA (182°) & Determine expected PFA post-op (187°)

(mean increase by 5° due to release of fixed flexion contractures)



2. Calculate Target Anteinclination Range Aiming $CSI_{standing}$ target: 200 – 245°

i.e. from: $200 - 187 = 13^\circ$ to $245 - 187 = 58^\circ$ (13 – 58° : yellow area of graph)

3. Decide on personal target for inclination/anteversion

e.g. Cup Inclination (30 – 50° : blue area of graph)

Cup Anteversion (10 – 30° : green area of graph)

4. Overlapping area of 3 colors has cup optimally positioned for coronal and sagittal targets. Choose target in middle:

Inclination: 41°

Anteversion: 23°

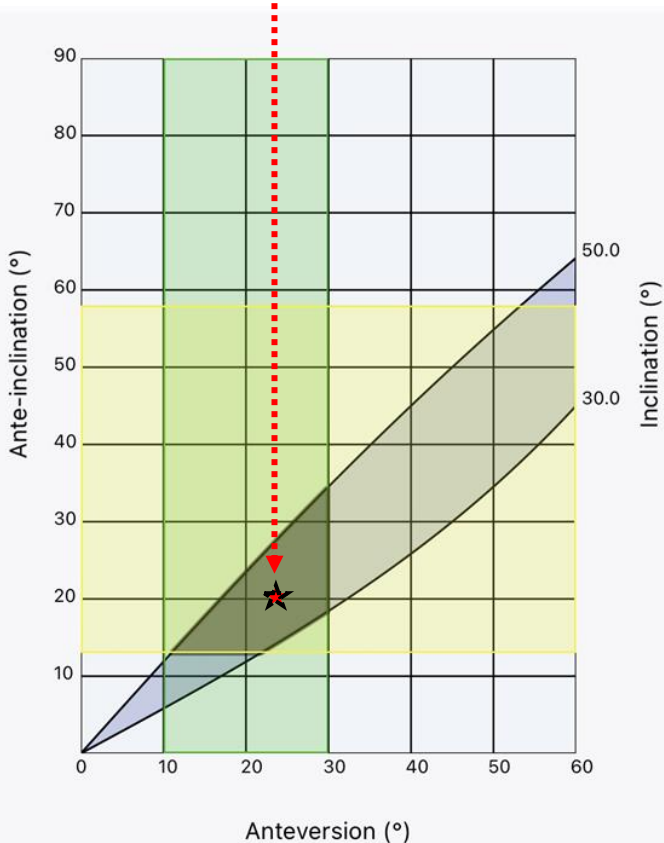


Figure 7: Proposed flow algorithm on how to determine optimum, patient-specific, acetabular component orientation considering spinopelvic characteristics