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[^0]
## 1. Measure Standing PFA ( $182^{\circ}$ ) \&

 Determine expected PFA post-op (187$)$(mean increase by $5^{\circ}$ due to release of fixed flexion contractures)


## 2. Calculate Target Anteinclination Range Aiming CSI $_{\text {standing }}$ target: 200-245 ${ }^{\circ}$

i.e. from: $200-187=13^{\circ}$ to $245-187=58^{\circ}\left(13-58^{\circ}\right.$ : yellow area of graph $)$

## 3. Decide on personal target for inclination/anteversion

e.g. Cup Inclination ( $30-50^{\circ}$ : blue area of graph)

Cup Anteversion ( $10-30^{\circ}$ : green area of graph)

## 4. Overlapping area of 3 colors has cup optimally positioned for

 coronal and sagittal targets. Choose target in middle:Inclination: $41^{\circ}$
Anteversion: $23^{\circ}$


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


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