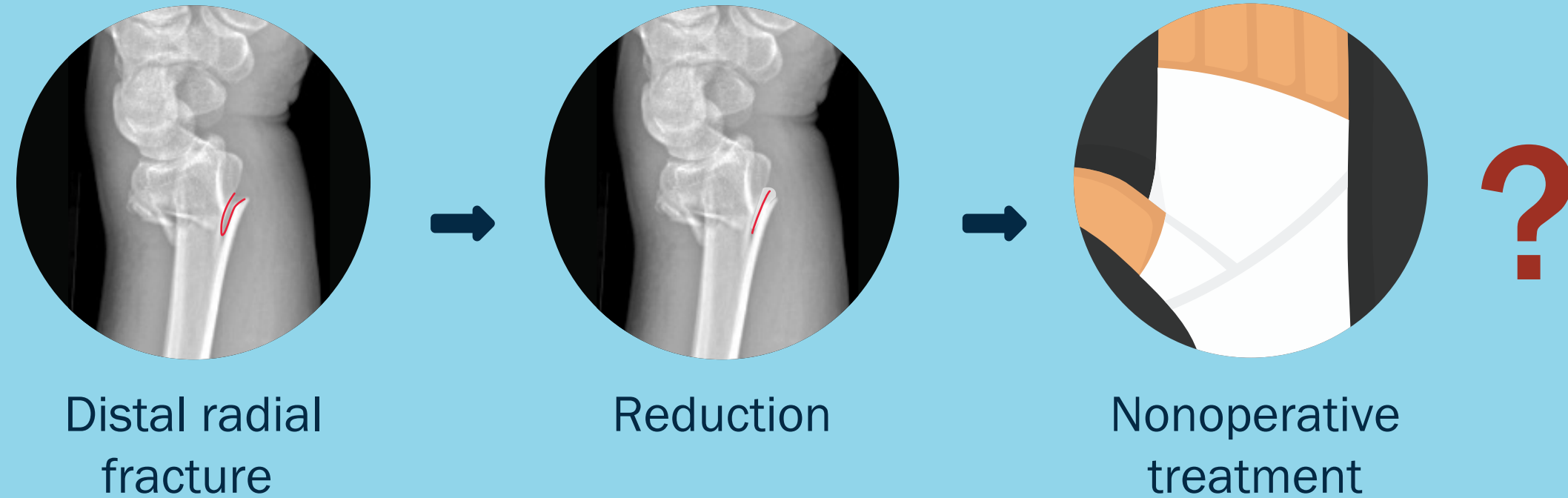


Interobserver Reliability of Satisfaction with Alignment after Reduction of Distal Radial Fracture

Surgeons' opinions vary regarding the appropriate alignment that allows for nonoperative treatment after reduction of a distal radial fracture



What are the factors associated with this interobserver variation?



Survey of 111 surgeons from the Science of Variation Group



Divided into 4 groups, each rating 24 sets of radiographs of adult patients with a distal radial fracture before and after manipulative reduction and cast or splint immobilization

Interobserver variability assessed

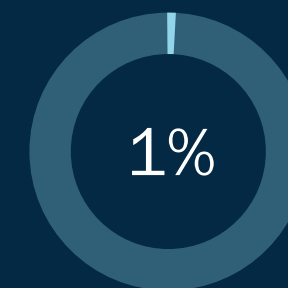


Fair reliability on satisfaction with reduction

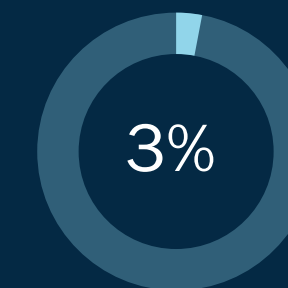


No surgeon factors were associated with variation

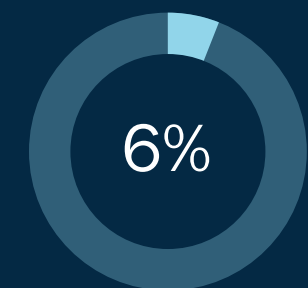
% increase in satisfaction with each unit decrease in



Dorsal angulation (degree)



Anterior-to-posterior distance between dorsal and volar articular margins (mm)



Ulnar positive variance (mm)



Surgeons are influenced by radiographic deformity, but do not agree on adequate alignment; treatment variation may be reduced by involving the patient

Satisfaction with Alignment After Reduction of a Displaced Distal Radial Fracture

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