



Semi-automated Segmentation Pipeline for Analysis of Knee Joint Kinematics

A comparison with manual based segmentation

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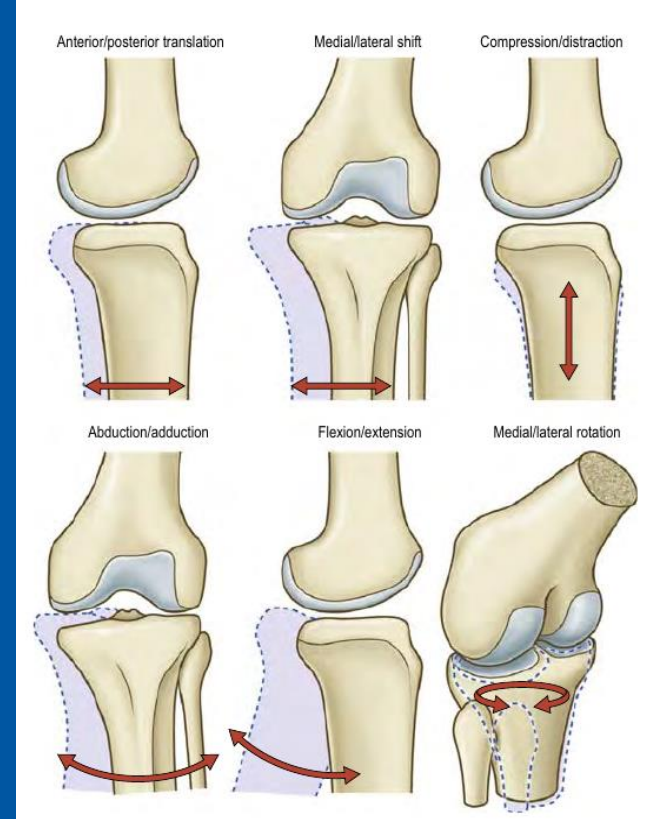
Six Degrees of freedom

3 Rotations

- Flexion-Extension: $\sim 160^\circ$
- Medial-Lateral: $25-30^\circ$
- Abduction-Adduction: $\sim 5^\circ$

3 Translations

- Anterior-Posterior: 5-10 mm
- Medial-Lateral: 1-2 mm
- Compression-Distraction: 2-5 mm



(Credit: Gray's Anatomy 42nd ed.)

