Supracondylar Humerus K-wire Planning Report

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Cross – 2 wires:
  - Divergence angle: 111.1°
  - Entry spread (relative to humerus width): 0.62
  - Crossing height (relative): 0.28
  - Pros:
    • Good divergence (≥30°) – likely stable construct.
    • Adequate lateral spread of entry points.

Cross – 3 wires:
  - Divergence angle: 111.1°
  - Entry spread (relative to humerus width): 0.62
  - Crossing height (relative): 0.28
  - Pros:
    • Good divergence (≥30°) – likely stable construct.
    • Adequate lateral spread of entry points.

Lateral – 2 wires:
  - Divergence angle: 30.3°
  - Entry spread (relative to humerus width): 0.05
  - Pros:
    • Good divergence (≥30°) – likely stable construct.
  - Cons:
    • Narrow entry spread – reduced buttressing.

Lateral – 3 wires:
  - Divergence angle: 20.3°
  - Entry spread (relative to humerus width): 0.06
  - Warnings: low_divergence_angle
  - Cons:
    • Low divergence (<30°) – potential mechanical weakness.
    • Narrow entry spread – reduced buttressing.