

Supracondylar Femur Fractures

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1. Fracture Classification
 - a. Intra vs Extraarticular
 - b. Soft tissues
2. Options for fixation
 - a. Nails
 - i. Minimally invasive
 - ii. Low soft tissue complaints
 - iii. Secondary healing
 - iv. Less useful in highly comminuted articular surfaces
 - v. Malalignment?
 1. Blocking screws
 2. Locked fixation
 - b. Plates
 - i. Fixed angle
 1. No restriction regarding comminution
 2. Minimally invasive possible
 3. More soft tissue complaints
 4. High nonunion rates
 - a. Mechanical?
 - b. Biologic?
 - ii. Standard
 1. Requires medial stability
 2. Rarely used for A or C injuries
3. Algorithm
 - a. Nails for A and C1 if possible
 - b. Plates for complex joint injuries
 - c. No answer for periprosthetic