

Appendix II: PICO Questions and Inclusion Criteria Used to Define Literature Search

1. In elderly patients who are treated for hip fracture, does the use of pre-operative traction result in beneficial patient outcomes? (Updated search limited to RCTs)
2. In elderly patients with hips fracture, what surgical timing results in optimal patient outcomes. (Updated search limited to RCTs)
3. In elderly patients with hip fracture, what is the recommended post-operative VTE prophylaxis and duration? (PICO maintained 2014 comparison format; mechanical vs pharmacological vs none vs both)
4. In elderly patients being treated for hip fracture, what operative anesthesia administration results in better patient outcomes?
5. In elderly patients being treated for stable hip fracture of the femoral neck, is surgery indicated?
6. In elderly patients with unstable femoral neck fracture, which surgical procedure results in better patient outcomes? (Updated search limited to RCTs)
7. In elderly patients with unstable (displaced) femoral neck fractures undergoing hemiarthroplasty, does unipolar or bipolar hemiarthroplasty result in better patient outcomes? (Updated search limited to RCTs)
8. In elderly patients with femoral neck fractures undergoing arthroplasty, what surgical procedure results in better patient outcomes?
9. In elderly patients with femoral neck fractures, what type of stem fixation results in better patient outcomes?
10. In elderly patients with femoral neck fractures, is there a specific surgical approach result in better patient outcomes?
11. In elderly patients do sliding hip screws or cephalomedullary devices result in better patient outcomes? (Updated search limited to RCTs)
12. In elderly patients with unstable intertrochanteric/pertrochanteric/subtrochanteric/basicervical fractures does the use of cephalomedullary devices result in better patient outcomes?(Updated search limited to RCTs)
13. In elderly patients with low-energy proximal femur fractures receiving a cephalomedullary device does the use of long or short cephalomedullary devices result in better patient outcomes? *
14. In elderly patients with hip fracture, what hemoglobin level should trigger administering a transfusion? (Updated search limited to RCTs)
15. In elderly patients with hip fracture, what pain management modalities are most effective? *
16. In patients with hip fracture, does administering fibrinolysis inhibitors improve patients' outcomes? *
17. Is a hip fracture service beneficial in changing outcomes for geriatric hip fractures? *
18. Does immediate weight bearing to tolerance following operative treatment for hip fracture impact outcomes? *Denotes a PICO question new to the 2021 CPG

Study Inclusion Criteria