

University of Maryland Department of Orthopaedics Baltimore Veterans Administration Hospital Competency Requirements

Patient Care

Faculty will evaluate the resident's ability to obtain an H&P and appropriate radiographs and formulate a treatment plan for outpatients and inpatient consults.

In the operating room, the faculty will evaluate the resident's familiarity with the patient, the indications for surgery, understanding of the surgical treatment plan, ability to execute the operative plan, and understanding of the post-operative treatment plan.

Residents will be evaluated by mid-cycle and end of rotation faculty feedback, on-the-fly faculty feedback, case presentation evaluation forms, operative case log, 360 degree surveys, and self assessment.

PGY-II Resident Goals & Objectives:	PGY-V Resident Goals and Objectives
<p>The resident will:</p> <ol style="list-style-type: none"> 1. Effectively able to evaluate the following conditions affecting the shoulder, hip or knee via a thorough H&P: <ol style="list-style-type: none"> a. Osteoporosis b. Osteoarthritis c. Rheumatoid Arthritis d. Ankylosing Spondylitis e. Psoriasis f. Gout g. Sickle Cell Disease h. HIV i. Paget's Disease j. Metastatic Disease k. Reflex Sympathetic Systrophy l. Workman's Compensation Issues m. Deep venous thrombosis 2. Effectively demonstrate that he/she can competently: <ol style="list-style-type: none"> a. Obtain a comprehensive history b. Perform any relevant condition-specific physical examination c. Identify appropriate radiographic imaging studies d. Formulate a differential diagnosis and make an accurate final diagnosis e. Outline the etiology, or possible etiologies of the specific condition f. Outline the natural history of the specific condition with and without surgical treatment g. Describe appropriate non-operative treatment options (if they exist) h. Describe appropriate operative treatment options (if they exist) i. Describe possible complications of non-operative and operative treatment 	<p>The resident will:</p> <ol style="list-style-type: none"> 1. Demonstrate mastery of all PGY-II level goals and objectives 2. Demonstrate understanding of the anatomy and surgical plan for: <ol style="list-style-type: none"> a. Primary and revision total shoulder, hip and knee arthroplasty including <ol style="list-style-type: none"> 1. Pre-operative planning 2. Implant choice 3. Use of allograft b. Knee arthrodesis c. Resection arthroplasty of the hip and knee 3. Demonstrate knowledge of the surgical approach and anatomy for all operative procedures including elective and emergent cases. 4. Demonstrate proficiency of arthroscopy of Shoulder and Knee Joint

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| <ul style="list-style-type: none">j. Outline the rehabilitation program involved in non-operative and operative treatmentk. Outline the prognosis of non-operative and operative treatment in order to evaluate the following specific conditions affecting the shoulder, hip or knee<ul style="list-style-type: none">1. Osteoarthritis of the knee<ul style="list-style-type: none">a. Varus Gonathrosisb. Valgus Gonathrosis2. Post-traumatic arthrosis of the knee3. Pes Anserine bursitis4. Meniscal trars5. Extensor mechanism disruption6. Patello-femoral syndrome7. Tibial plateau fracture8. Supracondylar femur fracture9. Patella fracture10. Compartment syndrome11. Infectious arthritis12. Osteoarthritis of the hip13. Post-traumatic arthrosis14. Avascular necrosis of the femoral head15. Acetabular dysplasia16. Trochanteric bursitis17. Femoral neck fracture18. Intertrochanteric femur fracture19. Simple acetabular fracture20. Infectious arthritis of the hip21. Osteoarthritis of the shoulder22. Rotator cuff tear23. AC joint arthritis24. Shoulder impingement syndrome25. Proximal humerus fracture3. Be able to perform simple invasive procedures including:<ul style="list-style-type: none">a. Knee joint aspiration/injectionb. Shoulder joint aspiration/injectionc. Pes Anserine bursa injectiond. Hematoma blocke. Closed reduction of ankle fracturef. Closed reduction of distal radius fracture4. Demonstrate competence in the operating room to:<ul style="list-style-type: none">a. Position patients for hip and knee procedures | |
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<ul style="list-style-type: none"> b. Prep and drape of the operative field c. Perform initial surgical dissection d. Close the surgical wound e. Apply post-operative dressing <p>5. Demonstrate understanding of anatomy and surgical plan for:</p> <ul style="list-style-type: none"> a. Total hip arthroplasty b. Core decompression of the femoral head c. Percutaneous pinning of a femoral neck fracture d. ORIF of intertrochanteric femur fracture e. Bipolar hemiarthroplasty f. Arthroscopic meniscectomy g. Total knee arthroplasty h. Arthrotomy, washout of infected knee i. Arthrotomy, washout of infected hip <p>6. Demonstrate understanding of anatomy and surgical plan for:</p> <ul style="list-style-type: none"> a. Position patients for shoulder arthroscopy and open procedures b. Prep and drape of the operative field c. Open and close operative wounds d. Apply post-operative dressing <p>7. Demonstrate understanding of anatomy and surgical plan for:</p> <ul style="list-style-type: none"> a. Shoulder arthroscopy b. Arthroscopic repair of rotator cuff tears c. Debridement labrum, subacromial bursa, acromioplasty d. Total 'regular' and 'reverse' shoulder arthroplasty e. Arthrotomy, washout, I&D+ of septic shoulder f. Injection/Aspiration of shoulder via anterior, posterior or lateral portals 	
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Medical Knowledge

Faculty will evaluate the resident's knowledge on an ongoing basis in the clinic and operating room.

Residents will be evaluated by mid-cycle and end of rotation faculty feedback, on-the-fly faculty feedback, pre-op conference assessments, case presentation evaluation forms, journal club evaluation forms, OITE scores, 360 degree surveys, self assessment.

PGY II Resident Goals and Objectives:	PGY V Resident Goals and Objectives:
The resident will: <ul style="list-style-type: none"> 1. Demonstrate knowledge of the indications for surgical procedures such as ORIF of lower extremity fractures, arthroscopy of the knee, TKA, THA, arthrotomy and washout... 2. Demonstrate understanding of the relevant surgical anatomy of 	In addition to obtaining competency in the PGY-II goals and objectives, the resident will: <ul style="list-style-type: none"> 1. Possess knowledge and demonstrate expertise in the discussion of the natural history of the systemic and specific conditions listed above

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<p>the lower extremity</p> <ol style="list-style-type: none"> 3. Demonstrate an understanding of simple invasive procedures for patients such as injection/aspiration, abscess drainage, closed reduction of simple fractures 4. Demonstrate an understanding of the classic and contemporary literature pertaining to lower extremity reconstruction through self-guided study and participation in Journal club 	<ol style="list-style-type: none"> 2. Demonstrate proficiency in the application of all splints and casts 3. Demonstrate an advanced understanding of pathology, surgical anatomy and operative exposures 4. Assume a leadership role in planning patient care and teaching conferences
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Practice Based Learning and Improvement

Residents will be evaluated based upon awareness of background and recent advances in common treatments, surgical indications, and surgical principles through participation in weekly pre-operative conference, morning trauma intake rounds, Chairman's conference, monthly M&M conference, and Journal club.

Residents will be evaluated by mid-cycle and end of rotation faculty feedback, on-the-fly faculty feedback, pre-op conference assessments, case presentation evaluation forms, journal club evaluation forms, M&M assessments, 360 degree surveys, self assessment.

<p>PGY II Resident Goals & Objectives:</p> <p>The resident will:</p> <ol style="list-style-type: none"> 1. Demonstrate familiarity and understanding of reading materials describing the systemic and specific conditions listed above including those assigned from: <ol style="list-style-type: none"> a. OKU Hip and Knee, Volume 2 b. Campbell's Operative Orthopaedics c. Advanced Hip Reconstruction 2. Accurately locate, appraise and assimilate evidence from scientific studies relating to the patient's orthopaedic condition. This requires knowledge of the pertinent recent literature as may be obtained in: <ol style="list-style-type: none"> a. American and British JBJS b. Journal of Arthroplasty c. Journal of the AAOS 3. Prepare and organize the weekly pre-operative conference for shoulder, elbow, hand, and wrist 	<p>PGY V Resident Goals & Objectives:</p> <p>In addition to obtaining competency in the PGY-II goals and objectives, the resident will:</p> <ol style="list-style-type: none"> 1. Apply critical thinking in the appraisal of clinical studies read in the peer reviewed literature as well as in the treatment of patients 2. Direct the education for the more junior residents on the service 3. Prepare and organize the weekly pre-operative conference to include templating of all total joint cases and review of implant logs for all revision total joint cases
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Interpersonal & Communication Skills

See common program competencies

Professionalism

See common program competencies

Systems-based Practice

See common program competencies