

Rheumatology (Designated Orthopaedic PGY-1 Residents only)

Length: 1 month of PGY-1 (Orthopaedic Designated Resident) year
Location: Kapiolani Pali Momi Office Clinic, Kuakini Medical Center
Supervisor: Alan Oki, M.D.
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Typical Weekly Schedule: M/F at Kapiolani Pali Momi 8:45 a.m.-5:30 p.m.
W: Conference (a.m.)
T/Th at Kuakini Medical Center 8:15 a.m.-4:30 p.m.

Goals

The ACGME Residency Review Committee for Orthopedic Surgery requires that Orthopedic Residents are exposed to a broad variety of conditions and disorders that have potential relevance on the practice of Orthopedic Surgery as a specialty. This one-month rotation will expose the Orthopedic PGY-1 Designated Resident to the basic principles of rheumatology and common rheumatologic diseases (including diagnostic evaluation and management) as they apply to orthopedic surgery.

Objectives

Upon completion of the Rheumatology rotation, the Resident will be able to:

Medical Knowledge

1. Understand the immunology of inflammatory arthritis, the basis of serologic testing, and medical treatment.
2. Demonstrate an understanding of the natural history and medical treatment of: rheumatoid arthritis, juvenile rheumatoid arthritis, systemic lupus erythematosus, crystal-induced arthritis, psoriatic arthritis, Reiter 's syndrome, ankylosing spondylitis, arthritis related to infections, osteoporosis; and common soft tissue pain syndromes.
3. Understand and review synovial fluid analysis in various disease states.

Patient Care

1. Clinically evaluate and develop a differential diagnosis of monoarticular and polyarticular arthritis.
2. Evaluate radiographs to classify arthritis.
3. Recognize clinical signs and symptoms of systemic disease presenting with arthritis, and develop a differential diagnosis and order appropriate diagnostic tests to evaluate the patient.
4. Evaluate the long-term outcomes of orthopaedic procedures on patients in a Rheumatology practice.
5. Aspirate major joints (knee, elbow, wrist)

Professionalism

1. Interact with patients and their families in a respectful, sensitive, and ethical manner.
2. Interact with ambulatory clinic personnel in a respectful, responsible, and professional manner.

Systems-based Practice

1. Understand the multidisciplinary role of the Rheumatologist, Orthopedic Surgeon, Physical Therapists, Occupational Therapists, Rehabilitation Specialists, and Social Services personnel in the provision of safe and high quality care.

Practice-based Learning and Improvement

1. Demonstrate ability to utilize scientific studies to provide high quality rheumatologic care.
2. Appropriately utilize Hospital information technology systems to manage patient care for any in-patient consultations, and to access on-line medical information to deliver high quality care.
3. Facilitate and support the education of Medical Students, other Residents, and other healthcare team members that the Orthopedic Resident comes into contact with.

Interpersonal and Communication Skills

1. Demonstrate skill in effective and sensitive information exchange with patients and their families.
2. Demonstrate ability for accurate and timely information exchange between other healthcare providers, both verbally and in writing, with appropriate use of the medical record.

Implementation

1. Four 1-hour didactic lectures review the immunology, natural history, diagnostic criteria, and treatment of rheumatic diseases. Examples of radiographs are reviewed. Slides from the American College of Rheumatology clinical slide collection are used to review clinical features of early and late disease, histology, and radiology of rheumatic diseases. Case examples are reviewed.
2. A four week clinical rotation allows the Residents to evaluate patients presenting with rheumatic conditions. They will formulate a differential diagnosis, a diagnostic plan, and an initial treatment plan that will be reviewed and implemented by the Rheumatology Attending Physician. Residents will examine patients and evaluate radiographs and laboratory tests of patients with rheumatic diseases in early and late stages of treatment. Many of these patients have had orthopaedic procedures including arthroplasties, arthrodesis, and synovectomies. Residents will review operative notes, pre- and postoperative x-rays, and interview patients regarding their experience with orthopaedic procedures and the impact on their rheumatic disease and quality of life. Residents will perform preoperative evaluations on all patients who are scheduled to undergo orthopaedic procedures during the rotation.

Required Reading

Klippel, J.H., 1997: *The Primer on the Rheumatic Diseases, 11th Edition or most current addition* (Arthritis Foundation).

Performance Measures and Competency Assessment

Daily interaction with Faculty Attending in the Clinic will provide the opportunity for Focused Review and Global Evaluations at the end of the rotation.