Curriculum on Rheumatology Danbury Hospital Internal Medicine Residency Program

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A. Educational Purpose and Goals

The objective of the rheumatology elective is to learn about all aspects of rheumatic diseases, including arthritis and autoimmune diseases, clinical immunology, medical orthopedics, osteoporosis, Lyme disease, systemic lupus, rheumatoid arthritis, vasculitis and more. Medical students, interns and residents are welcome to partner with practicing rheumatologists in the hospital, private office setting and the community arthritis clinic. Preventive care, acute care and consultative care are offered. Comprehensive musculoskeletal examination, use of the polarizing microscope, joint aspirate and injections are all emphasized.

Upon completion of the rheumatology rotation, the resident is expected to:

- 1) Understand the pathophysiology and proper management of patients with collagen vascular disease.
- 2) Learn the approach to the care of patients with musculoskeletal disease.
- 3) Learn the diagnostic criteria for various rheumatologic disorders such as rheumatoid arthritis, systemic lupus, fibromyalgia, vasculitis, rheumatic fever and others.
- 4) Understand the proper use of medications for rheumatic diseases such as NSAIDS, analgesics, corticosteroids, disease-modifying drugs, biologic agents and experimental treatments.
- 5) Perform in-house rheumatology consultation.
- 6) Perform joint aspirate & injections, tendon and bursal injections.
- 7) Discuss peer-reviewed literature.

B. Teaching Methods

The resident is expected to participate in all aspects of care, including patient intake, interview, examination, consultation, preventive and tertiary care. The resident will report directly to the attending rheumatologist on service. Opportunities to perform clinical research, roundtable lectures and case report / publications are all encouraged. Participation in the community arthritis clinic on Main Street is strongly encouraged.

C. Educational Content

1. Mix of Diseases

The resident will evaluate patient's with a broad variety of rheumatologic diseases in the outpatient (clinic, private office) and inpatient settings.

2. Patient characteristics

Please refer to the Core Curriculum

3. Types of clinical encounters

Please refer to the Core Curriculum

4. Procedures and services

Perform joint aspirate & injections, tendon and bursal injections.

- 5. Reading lists, other educational resources
 - 1) MKSAP section of Rheumatology
 - 2) Up-To-Date Rheumatology Chapters & References
 - 3) Harrison's Principles of Internal Medicine
 - 4) Koopman's Arthritis & Allied Conditions, 13th edition
 - 5) Pub-Med search of all relevant journal articles pertaining to active patients.

The rheumatology faculty participates in monthly <u>noon conferences</u> given to housestaff in the cafeteria. A typical annual <u>curriculum includes the</u> following lectures:

Rheumatologic Emergencies (given each summer)

Rheumatoid Arthritis

Systemic Lupus

Vasculitis

Crystalline Arthritis

Spondylarthropathy

Lyme Disease

Metabolic Bone Disease & osteoporosis

Bone Tumors

Fibromyalgia & soft tissue rheumatism

Myositis & related disease

Scleroderma & CREST syndrome

Sjogren's Syndrome

Osteoarthritis

Each academic year one or two <u>medical grand rounds</u> lectures will be presented by rheumatology faculty members.

D. Method of Evaluation of Resident and Faculty Competence

After each block rotation faculty provide a review of the resident's competency based performance on Evalue. In turn the resident evaluates the faculty's performance as well as the rotational experience. These evaluations are reviewed during our biannual House staff evaluation committee meetings.

- Evaluation of residency performance and professionalism
- Evaluation of attending teaching skills and other attributes
- Rotation assessment by resident
- Observation of resident's clinical competency
- Observation of resident's leadership and teaching skills

Review of the resident's history/physical exam, progress notes and documentation of procedures in the chart

E. Rotation Specific Competency Objectives

Please refer to the Core Curriculum for the expected General Medicine Curriculum core compentecy objectives and graded responsibilities. The following apply to the Rheumatology rotation.

Medical Knowledge

- 1. Understand the pathophysiology of patients with collagen vascular disease.
- 2. Learn the diagnostic criteria for various rheumatologic disorders such as rheumatoid arthritis, systemic lupus, fibromyalgia, vasculitis, rheumatic fever and others.
- 3. Understand the proper use of medications for rheumatic diseases such as NSAIDS, analgesics, corticosteroids, disease-modifying drugs, biologic agents and experimental treatments.

Interpersonal and Communication Skills

Please refer to the Core Competencies

Professionalism

Please refer to the Core Competencies

Patient Care

Please refer to the Core Competencies In addition:

- 1. Understand the proper management of patients with collagen vascular disease Learn the approach to the care of patients with musculoskeletal disease.
- 2. Understand the proper use of medications for rheumatic diseases such as NSAIDS, analgesics, corticosteroids, disease-modifying drugs, biologic agents and experimental treatments
- 3. Perform joint aspirate & injections, tendon and bursal injections.

System Based Practice

Please refer to the Core Competencies In addition:

1. Perform in-house rheumatology consultation.

Practice Based Learning and Improvement

Please refer to the Core Competencies In addition:

1. Discuss peer-reviewed literature.