



Icahn
School of
Medicine at
Mount
Sinai

COURSE INFORMATION SHEET

Title of Course: Musculoskeletal Pathophysiology

Academic Year: 2017-2018

Duration of Course: 2 weeks

Course Director(s): Leslie D. Kerr, M.D.
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Mission Statement of Course:

Through a multi-disciplinary approach, spanning the fields of Pathology, Radiology, Orthopedics, Rheumatology, & Rehabilitation Medicine, an appreciation of regional and systemic musculoskeletal disorders will be developed.

Goals of Course:

To be familiar with the interpretation of plain x-rays and the indications for the use of CT, MRIs & bone scans. To understand the multisystem features of connective tissue and orthopedic diseases and their clinical presentations. To appreciate the impact that these chronic diseases have upon patients.

Objectives of Course:

At the end of this course, students will be able to:

- Interpret plain x-rays and determine indications for the use of CT, MRIs and bone scans.
- Describe the multisystem features of connective tissue diseases and their clinical presentations.



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- Recognize common office-based orthopedic abnormalities.
- Formulate a rational approach to the treatment of these diseases.
- Discuss the impact of connective tissue diseases have upon patients.
- Describe the major classes of medications utilized in the management of musculoskeletal disorders; discuss the primary mechanism of action and identify both common and life threatening side effects.
- Develop a diagnostic approach to patients with musculoskeletal symptoms.