

## Histology Boot Camp

### Objective:

The participant is expected to be able to recognize on a Hematoxylin and Eosin slide the tissues of the normal musculoskeletal system (MSS).

### Comment:

Orthopaedic surgeons are not pathologists and are at arm's length from histology learned as an undergraduate. The video aims simply **to re-familiarize the participant with the histologic appearance of the tissues of the musculoskeletal system**, in preparation for the formal Boot Camp at the COA Basic Science Course (BSC). Integral to the BSC on a daily basis are clinical case examples, each an opportunity to practice the basic skill of solving clinical problems -- the process of clinical, radiological, and pathological correlation. Correlation at the cellular level depends on the photomicrograph, which is usually the Hematoxylin & Eosin slide. The Boot Camp Videos are designed to allow the orthopaedic resident to become familiar with interpreting such data.

### Content:

Dr. Dr. El Demellawy will present the microscopic features of –

1. Lamellar and woven or membranous bone, matrix and cells
  - a. Videos 1 and 2
2. Hyaline cartilage and fibrocartilage
  - a. Video 3
3. Synovium, Tendon and ligament, Skeletal muscle
  - a. Video 4