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 I and 2
2. Hyaline cartilage and fibrocartilage
   a. Video 3
3. Synovium, Tendon and ligament, Skeletal muscle
   a. Video 4