

OBJECTIVES AND CONTENT

REVIEW OF MICROSCOPIC ANATOMY OF MUSCULOSKELETAL TISSUES

Objective:

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

Comment:

Orthopaedic surgeons are not pathologists and are at arm's length from the 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.** The basic science course will demonstrate with case examples the process of clinical, radiological, and pathological correlation. Correlation at the cellular level depends on the photomicrograph, which is usually the Hematoxylin & Eosin slide.

Content:

Dr. Shekitka will present the microscopic features of –

1. Lamellar and woven or membranous bone
2. Hyaline cartilage and fibrocartilage
3. Synovium
4. Tendon and ligament
5. Skeletal muscle