

## The Neonatal Musculoskeletal System

### Objectives

- Determine the appropriate imaging modality for various musculoskeletal conditions
  
- Identify general pathologic imaging findings of neonatal musculoskeletal system conditions and discuss the clinical correlation and their significance

### Content Outline

1. Imaging Modalities for Musculoskeletal Conditions
  - A. Radiography
  - B. Ultrasound
  - C. Computed Tomography (CT scan)
  - D. Magnetic Resonance Imaging (MRI)
  
2. Pathology
  - A. Metabolic bone disease of prematurity
  - B. Perinatal fracture
  - C. Osteoarticular infection
  - D. Hip dysplasia
  - E. Amniotic band sequence
  - F. Lumbar dysraphism
  - G. Skeletal dysplasia

### Reading Material Resources

**Module NX2806: The Neonatal Musculoskeletal System** is based on the resource listed below. A copy of the resource is included with the module.

Chapter 5 The Neonatal Musculoskeletal System, Neonatal Imaging, Eklund, et al., The National Certification Corporation, 2024, 297-342