

Objectives

- Describe imaging techniques used for neonatal evaluation
- Differentiate normal vs abnormal x-ray findings and/or common variations
- Identify placement of catheters and tubes and other monitoring devices
- Interpret x-rays findings associated with various neonatal disease states

Content Outline

1. Type of Imaging Techniques Used in Neonatal Evaluation
 - 1.1 Portable x-ray units
 - 1.2 Fluoroscopy
 - 1.3 Ultrasonography
 - 1.4 CT scanning
 - 1.5 MRI scanning
 - 1.6 Nuclear Medicine Procedures
 - 1.7 Digital imaging
2. X-ray evaluation of Internal Devices
 - 2.1 Endotracheal tubes
 - 2.2 Nasogastric tubes
 - 2.3 Umbilical catheters
 - 2.4 Other monitoring devices
3. X-ray Interpretation of Neonatal Diseases States
 - 3.1 Cardiac disorders
 - 3.2 Developmental anomalies
 - 3.3 Respiratory disorders
 - 3.4 Complications of mechanical ventilation
 - 3.5 Abdominal disorders

Reading Material Resources

This self assessment module is based on the resources listed below.

The reading materials are in the form of a PDF file and can be accessed from the online testing center once the module is purchased.

Chapter 32: Radiology in the Intensive Care Nursery, *Intensive Care of the Fetus and Neonate*, Spitzer, Elsevier Mosby, St. Louis, 2005, pages 441-495.