

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
4. Distinguish between the types, dosage and route of contrast medias administration used to perform radiographic, gastrointestinal studies, basic CT and special studies.	Interactive Discussion Audiovisual Materials Computer-Based Activities Assigned Readings and Written Assignments	Exam Questions Image Critique Form Oral Presentations
5. Compare and contrast the production of MRI and CT images.	Interactive Discussion Audiovisual Materials Computer-Based Activities Assigned Readings and Written Assignments	Exam Questions Image Critique Form Oral Presentations

- a. Skull
- b. Facial Bones and Para Nasal Sinuses
- c. Orbits and Optic Foramina
- d. Zygomatic Arches
- e. Mandible
- f. Temporomandibular Arches
3. Procedural Considerations for Contrast Studies
4. Positioning for Contrast Media Studies
 - a. Esophagus
 - b. Stomach
 - c. Small Bowel
 - d. Colon/Rectum
 - e. Gallbladder
 - f. Biliary Ducts
 - g. Endoscopic Retrograde Cholangiographic Pancreatography (ERCP)
 - h. Operative Cholangiography
 - i. Intravenous Urography
 - j. Retrograde Urography
 - k. Cystography/Cystourography
 - l. Hysterosalpingography
5. Procedural Considerations for Special Studies
 - a. Arthrography
 - b. Myelography
 - c. Venography
 - d. Mammography
 - e. Vascular Imaging
 - f. CT
 - g. MRI
6. Pharmacology

LEARNING MATERIALS:

Texts:

Frank, E. (2016). *Merrill's Atlas of Radiographic Positions and Radiologic Procedures* (13th ed.). St. Louis, MO: C.V.

COURSE APPROVAL:

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