

Objective - The objective is to learn contrast imaging techniques under the guidance of fluoroscopy, and administration of contrast media and its safety aspect.

UNIT – 1 Urinary system imaging (IVU, MCU, RGU) Revision of anatomy and physiology, clinical indications and contraindications - patient preparation - contrast media used and dosage.

UNIT - 2 Gastrointestinal tract imaging (Barium swallow, Barium meal upper GI, Barium meal follow through, Barium enema, small bowel enema, distal colography, defecography). Revision of anatomy and physiology - clinical indications and contraindications.

UNIT – 3 Biliary system (PTC, ERCP, T-Tube cholangiography, per-op. cholangiography) Sialography and sonography, clinical indications and contraindications - patient preparation - contrast media used and dosage

UNIT - 4 Hysterosalpingography (HSG), Myelography: indications and contraindications – contrast used – patient preparation – injection technique – film sequence – projections – patient care, Basic introduction about:

- Oral cholecystography/intravenous cholangiography
- Dacrocystography
- Arthrography
- Discography

Recommended Books:

- Lakhkar BN, Banavali S, Shetty C. Radiological quiz-head and neck. Indian Journal of Radiology and Imaging.
- Snopek AM. Fundamentals of Special Radiographic Procedures-E-Book. Elsevier Health Sciences;
- Davies SG, Chapman S. Aids to radiological differential diagnosis. Elsevier Health Sciences;
- Krishnamurthy, Medical Radiographic Technique & Darkroom Practice