

Fluoroscopy



FLUOROSCOPY

- ❑ A technique for obtaining "live" radiographic images on a screen monitor using continuous x-ray beam.
- ❑ Performed to observe the digestive tract :
 - Upper GI series - Barium Swallow
 - Lower GI series - Barium Enema

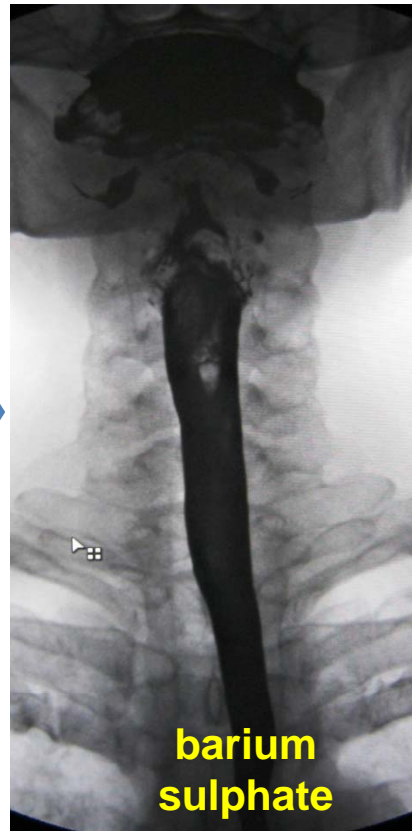
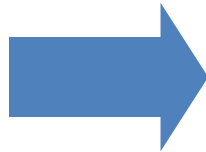


Fluoroscopy Tube

Over Couch Tube

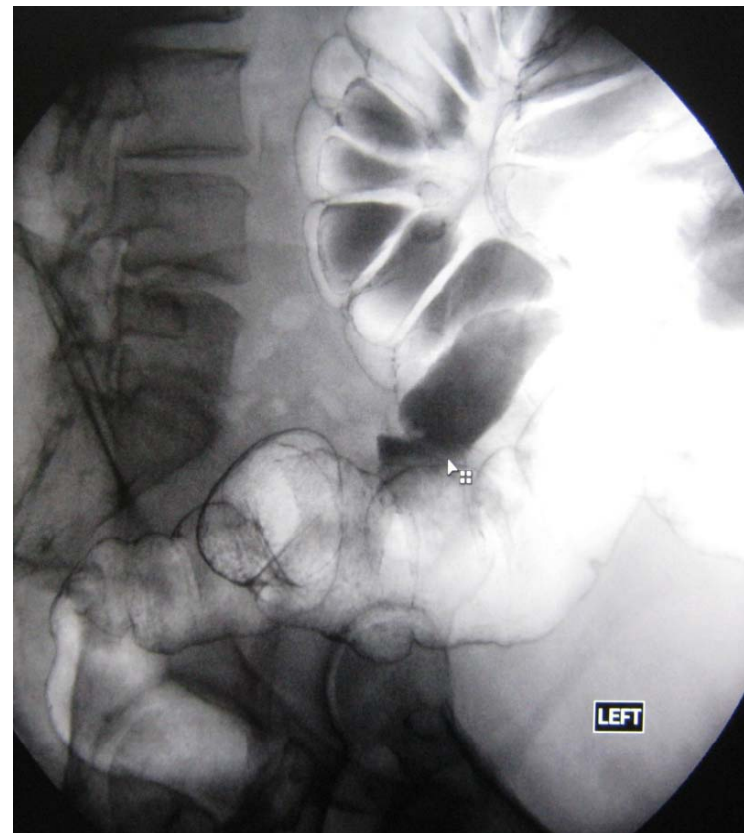
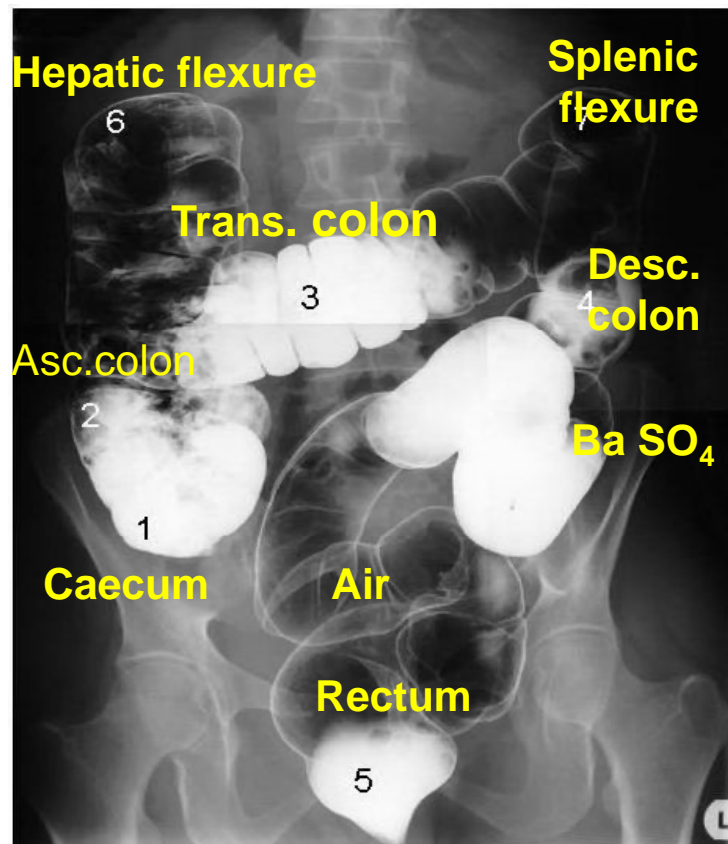
Barium Swallow :

- ❑ To examine the structures of the upper gastrointestinal tract including the esophagus, stomach and duodenum
- ❑ To diagnose hiatus hernia, esophageal obstruction, esophageal spasm, stomach dysfunction and peptic ulcer disease.



Barium Enema

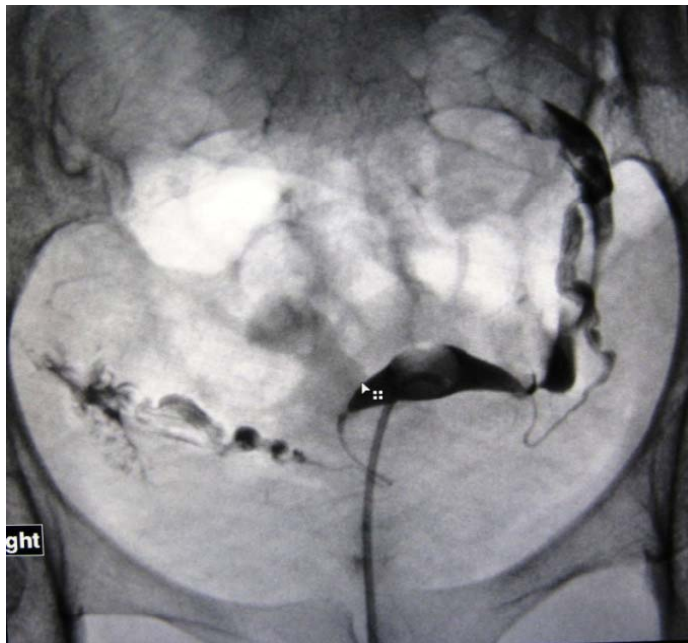
- ❑ Examination of the lower intestine (colon) and rectum.
- ❑ Detection of abnormal colon movement, dilation, polyps and cancers of the colon and rectum.



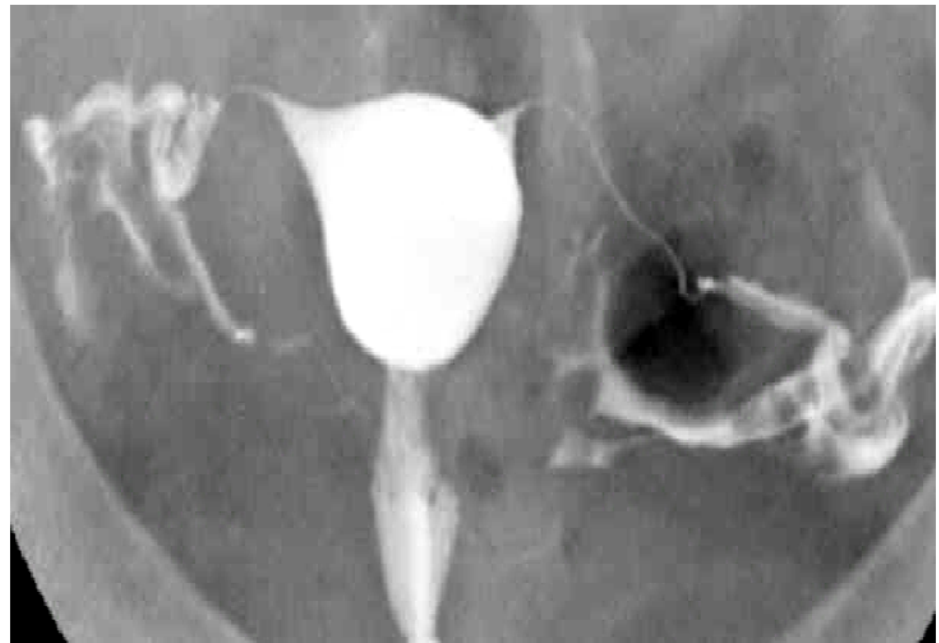
Double Contrast

HSG (Hysterosalpingography)

- ❑ Most commonly used to evaluate patients with infertility problem or frequent miscarriages.
- ❑ To evaluate tubal patency and uterine abnormalities
Ex: congenital uterine anomaly, fibroid or tumor mass.



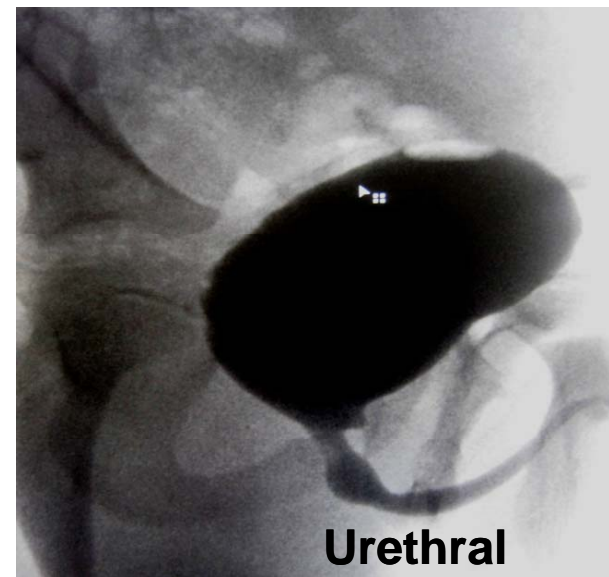
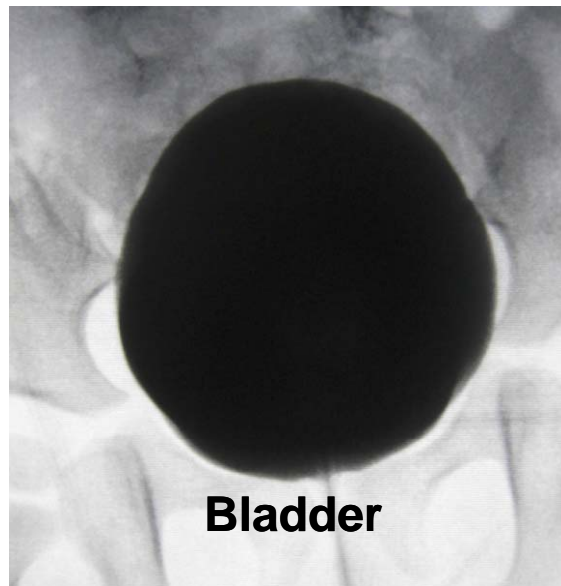
Normal HSG



Abnormal HSG

Micturating Cystourethrogram

- ❑ To outline the anatomy of the urinary tract through catheterisation and contrast administration.
- ❑ Indications for imaging are :
 - Vesicoureteric reflux in recurrent Urinary Tract Infection (UTI) for children
 - Urethral stricture
 - Bladder dysfunction



OTHER PROCEDURES



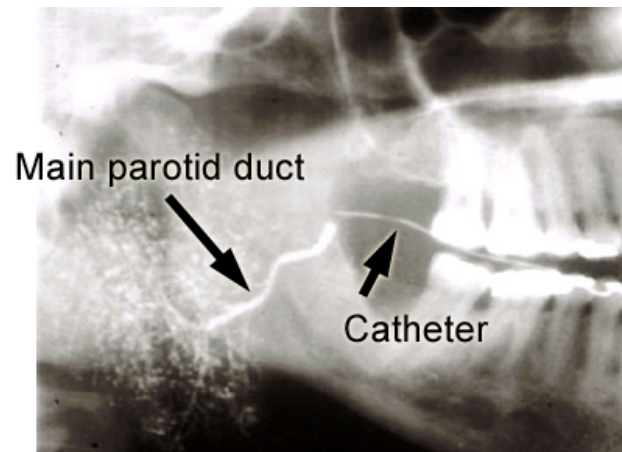
Barium Meal Follow Through



Sinogram



Loopogram



Parotid Sialogram

ERCP

(Endoscopic Retrograde Cholangiopancreatography)

- ❑ ERCP refers to imaging of the biliary and pancreatic duct with the use of endoscope under fluoroscopic guidance**
- ❑ Side-viewing endoscope is passed through the patient's mouth, esophagus, stomach and into the duodenum**
- ❑ It is a preoperative study to plan for cholecystectomy or postoperative to remove stones in the biliary ducts.**

❑ **Therapeutic treatments performed to:**

- **dilate stenosed biliary or pancreatic duct**
- **remove biliary or pancreatic duct stones**
- **dilate the sphincter of vater (sphincterotomy)**
- **biopsy or stent placement**

