

Chapters 20 & 21

Radiology & Oncology

Mrs. Heather Herb, B.S.,

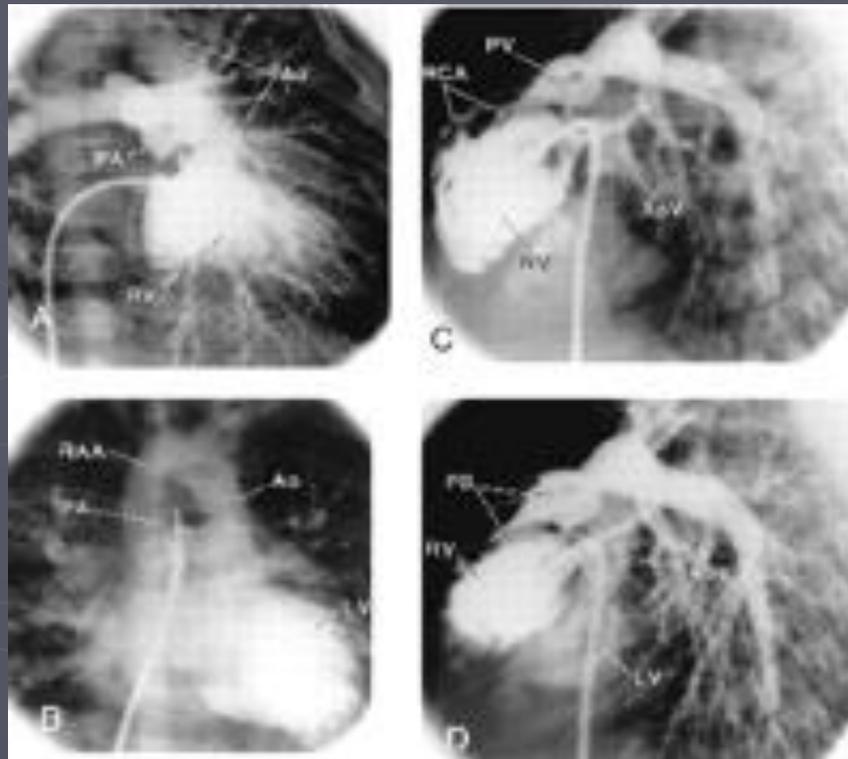
R.T.(R)(M)

MI Program

MI 120

Angiocardiography

- ▶ Circulatory system to the heart



AKA: Cardiac Catheterization

Angiography

- ▶ Internal structures



Arteriography

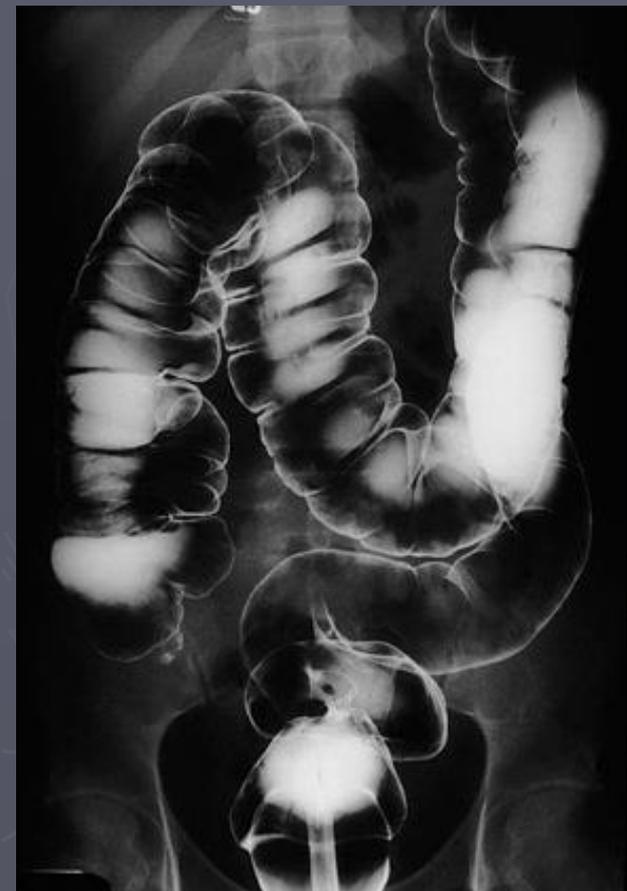
► Arteries



Arthrography

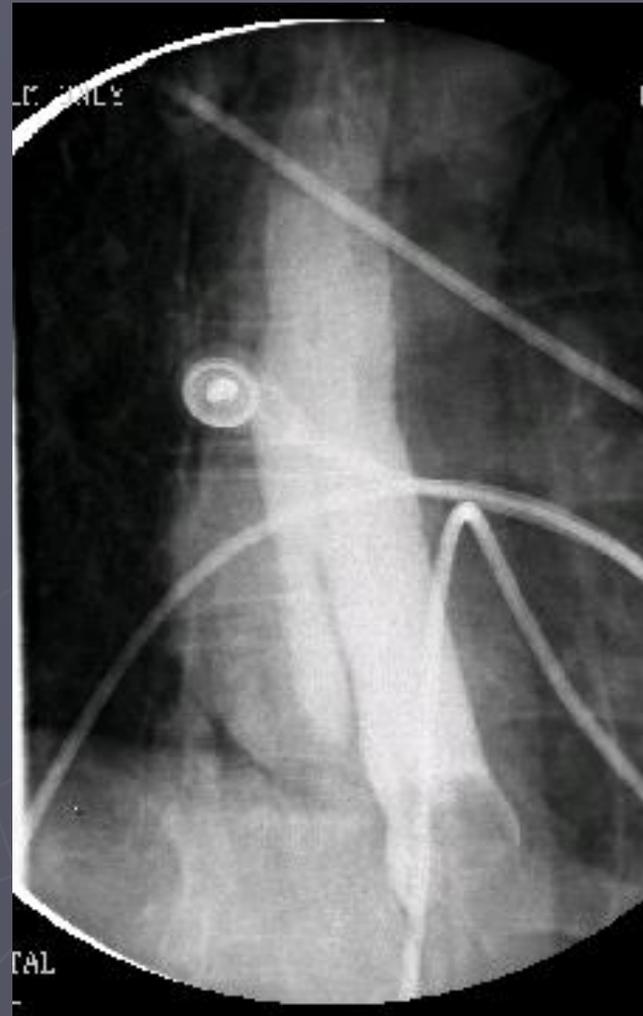


Barium Enema



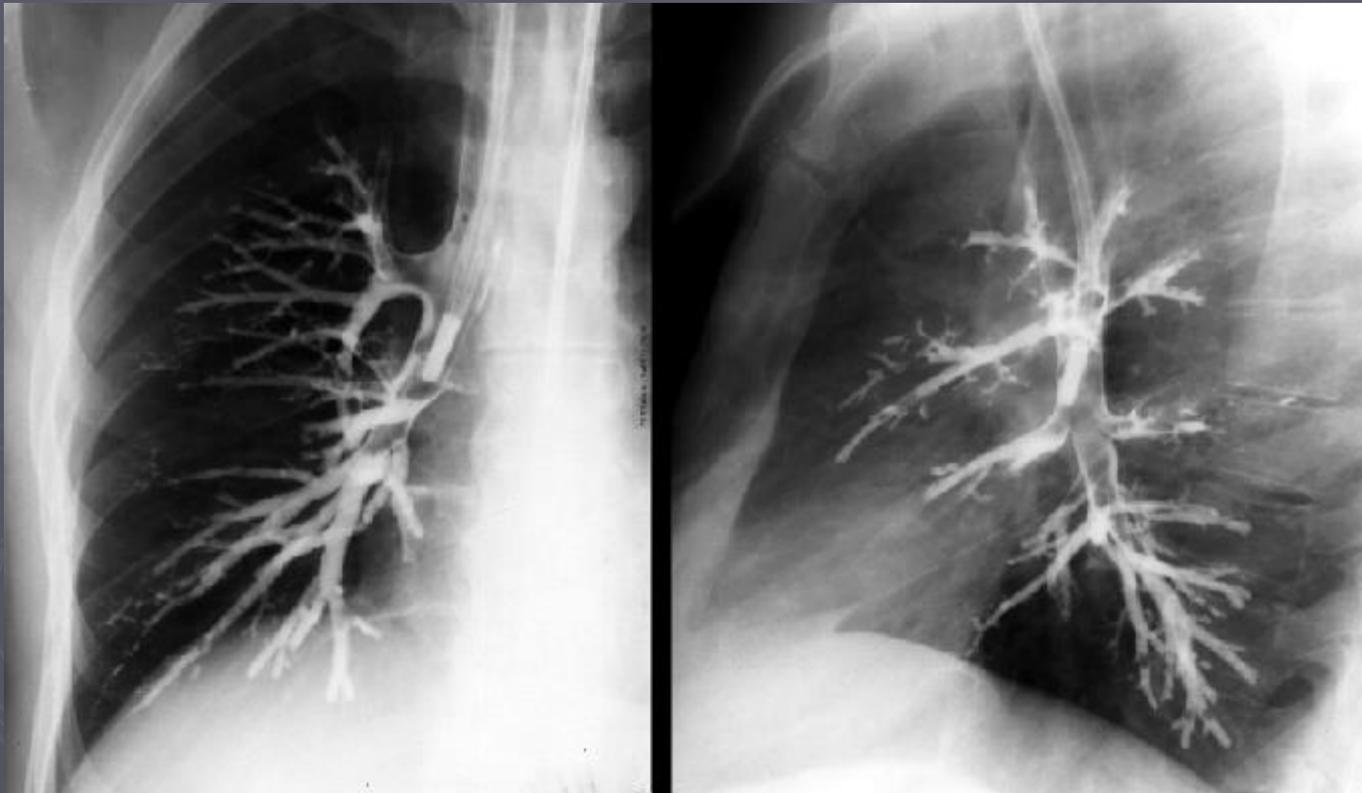
Barium swallow





Bronchography

- ▶ Larynx, trachea, & bronchi



Cholangiography (intravenous)

- ▶ Bile ducts



Cholangiopancreatography

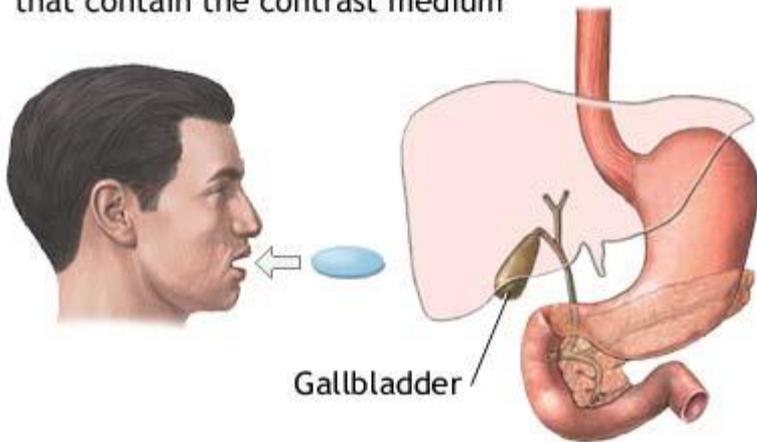
- ▶ ERCP
- ▶ Pancreatic ducts
- ▶ Biliary ducts



Cholecystography

► Gall bladder

6 tablets (1 at a time) are swallowed that contain the contrast medium

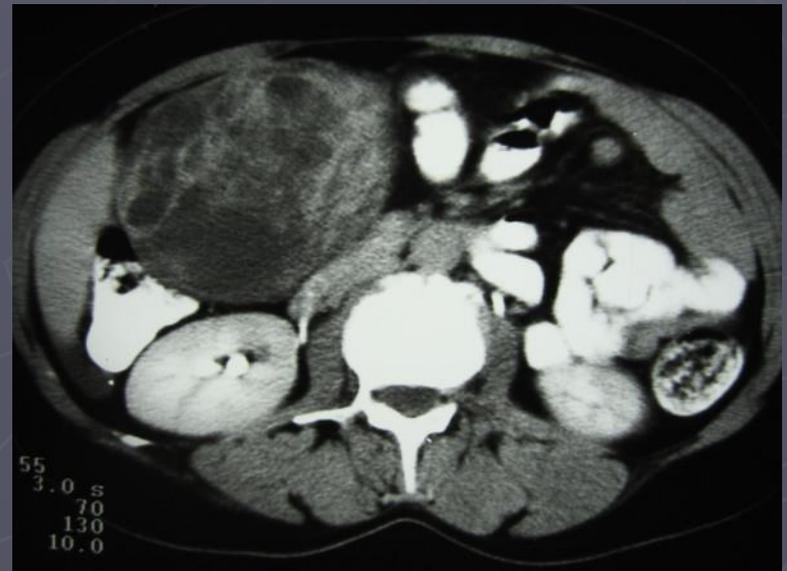
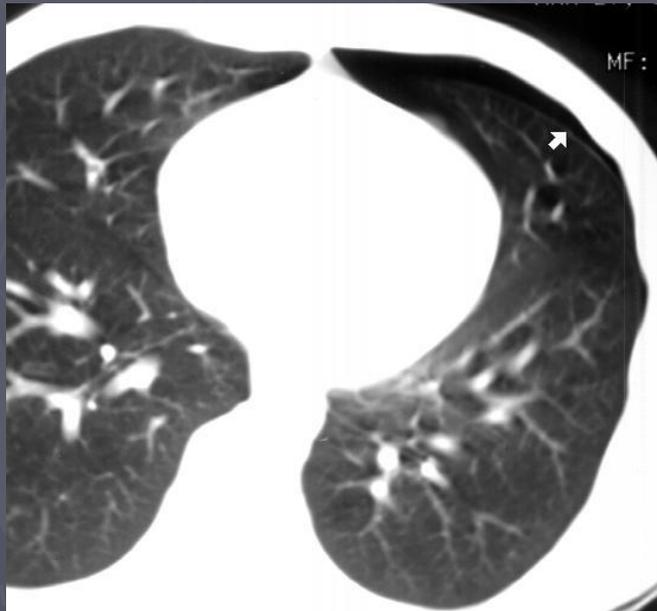


ADAM.



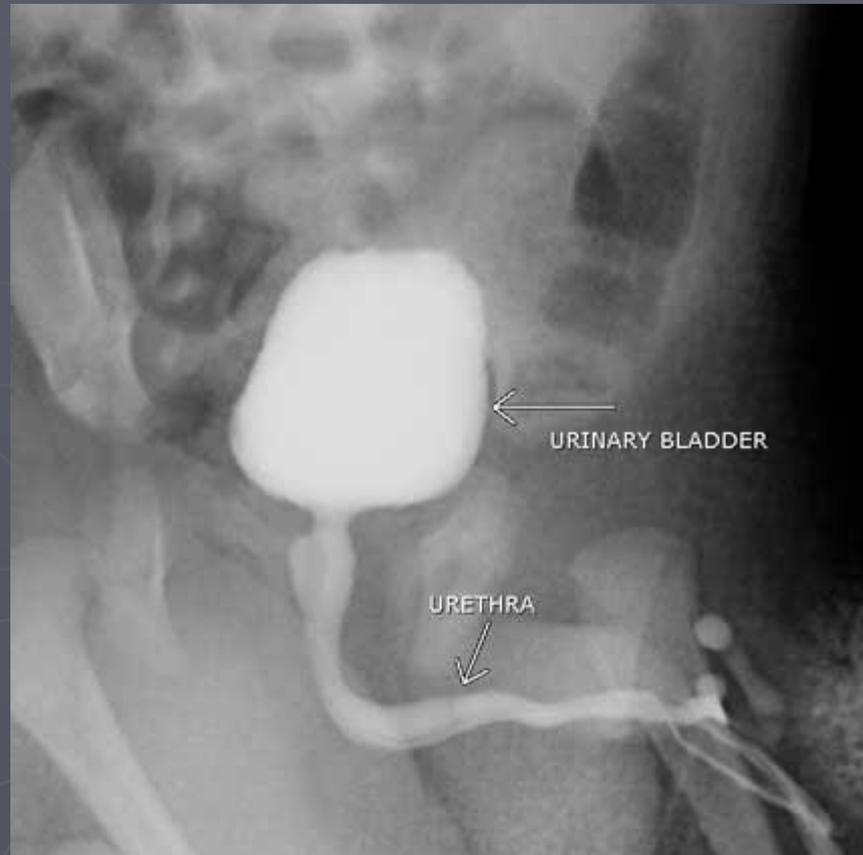
Computed Axial Tomography

- ▶ CT or CAT
- ▶ Cross sectional



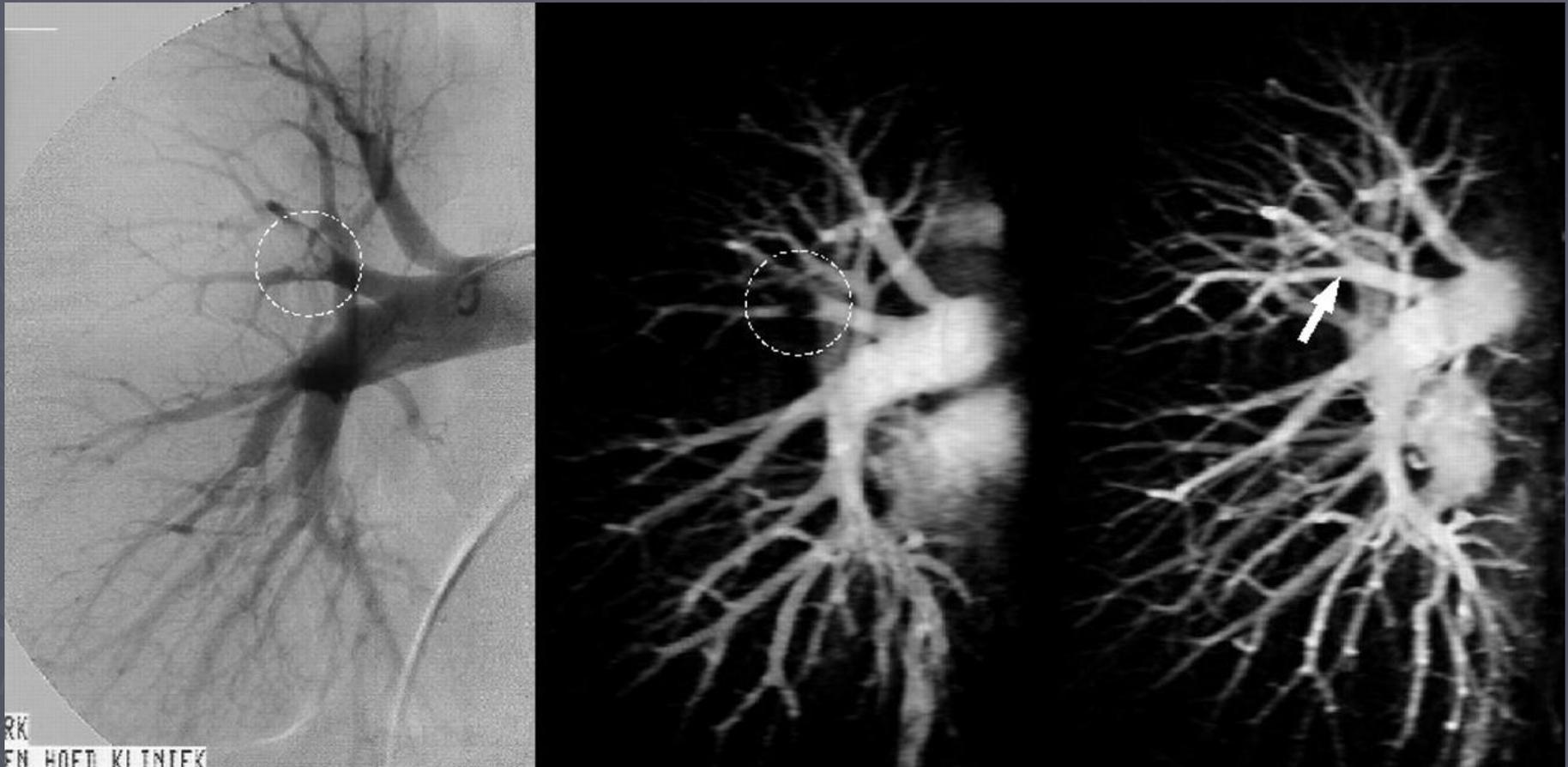
Voiding Cystourethrography

► Bladder and urethra



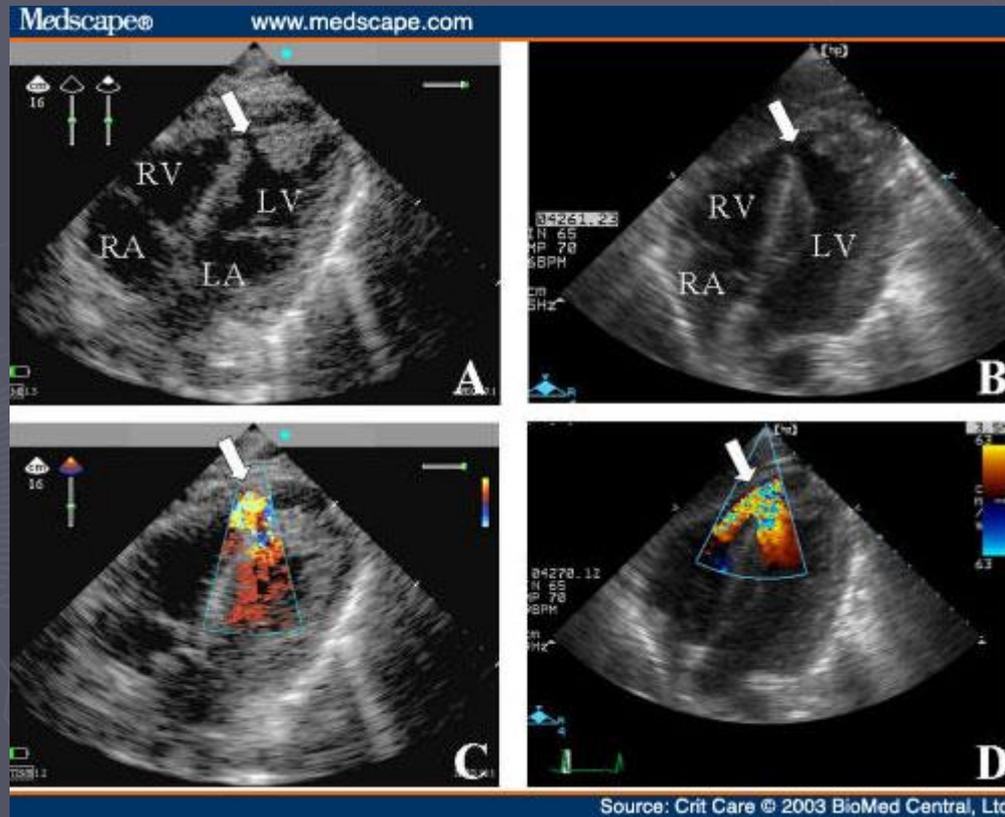
Digital Subtraction Angiography

► Blood vessels



Echocardiography

► Structures and motion of the heart

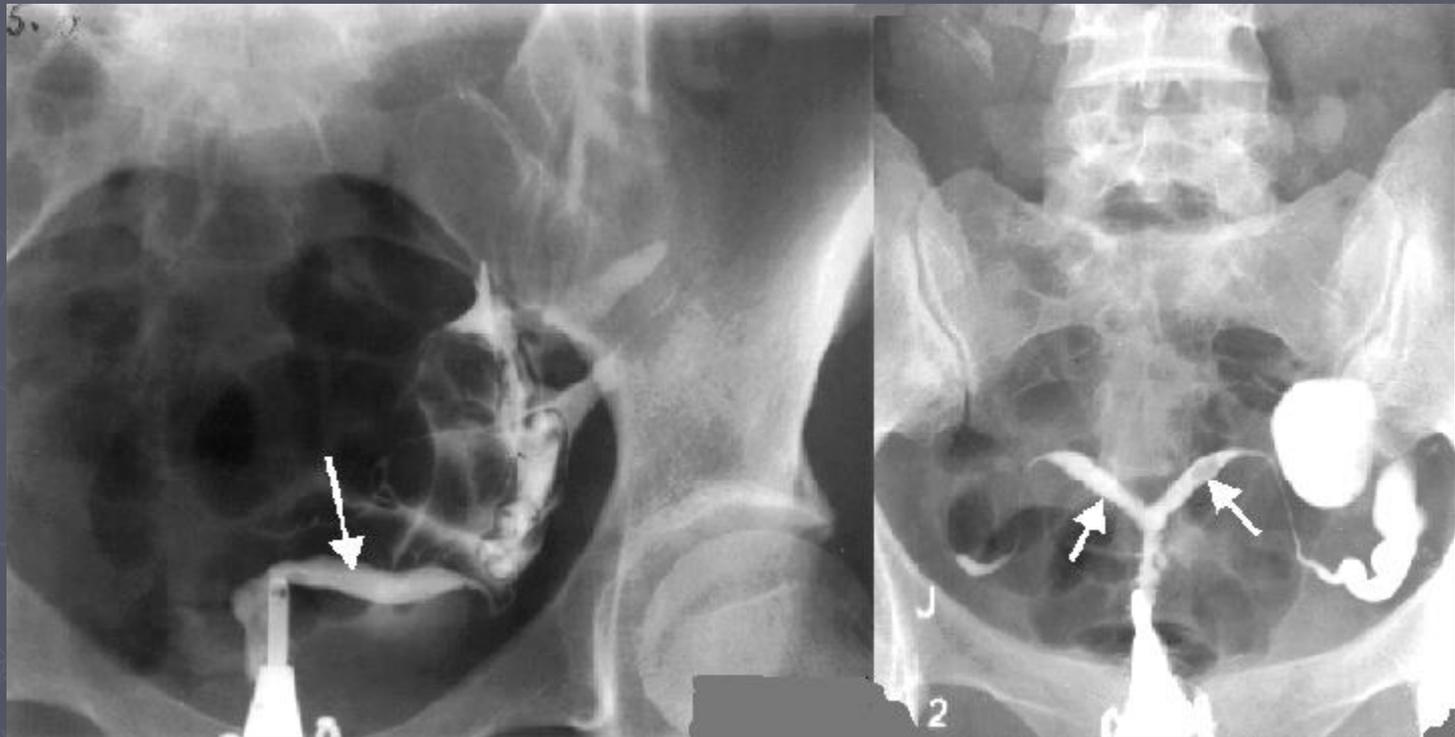


Fluoroscopy



Hysterosalpingography

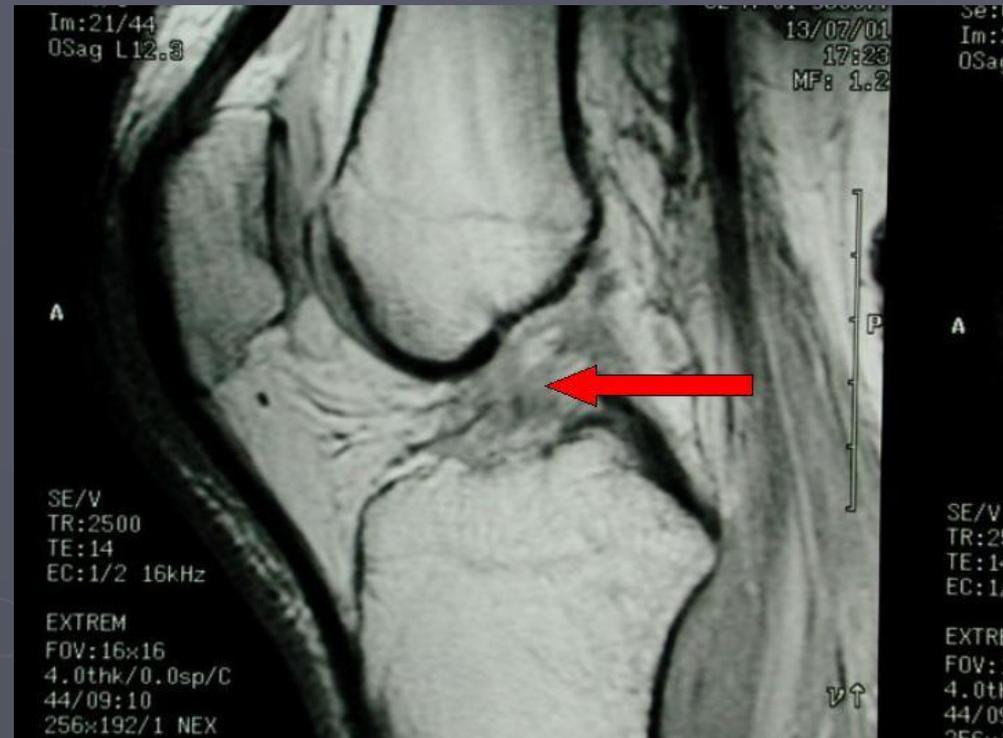
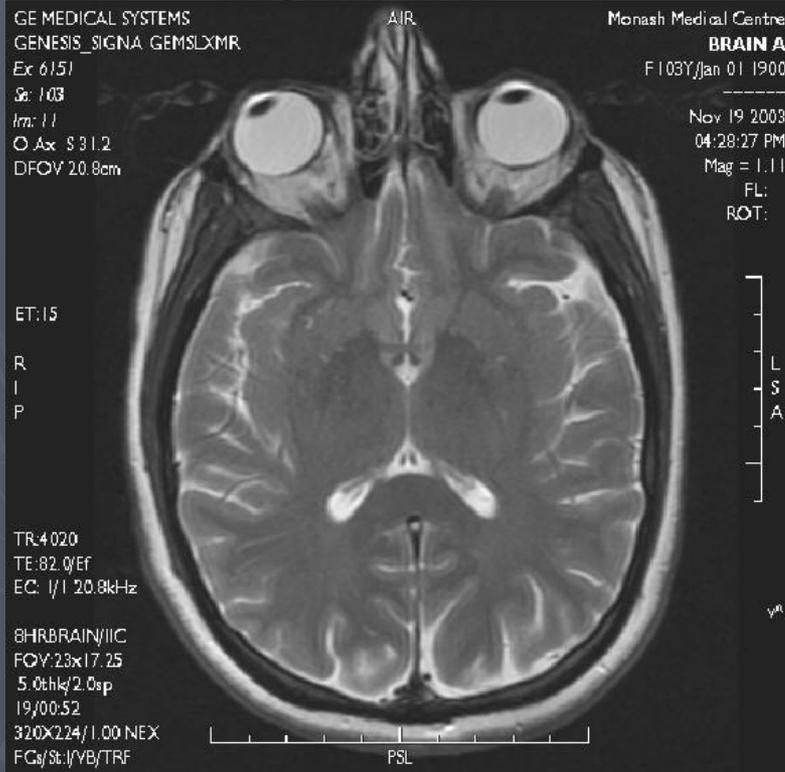
- ▶ Uterus and fallopian tubes



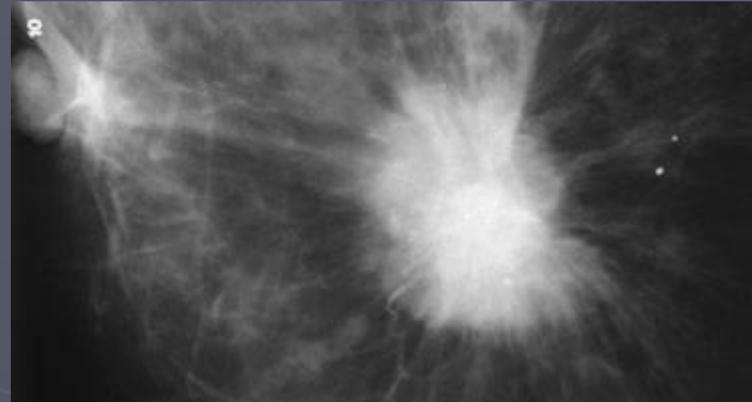
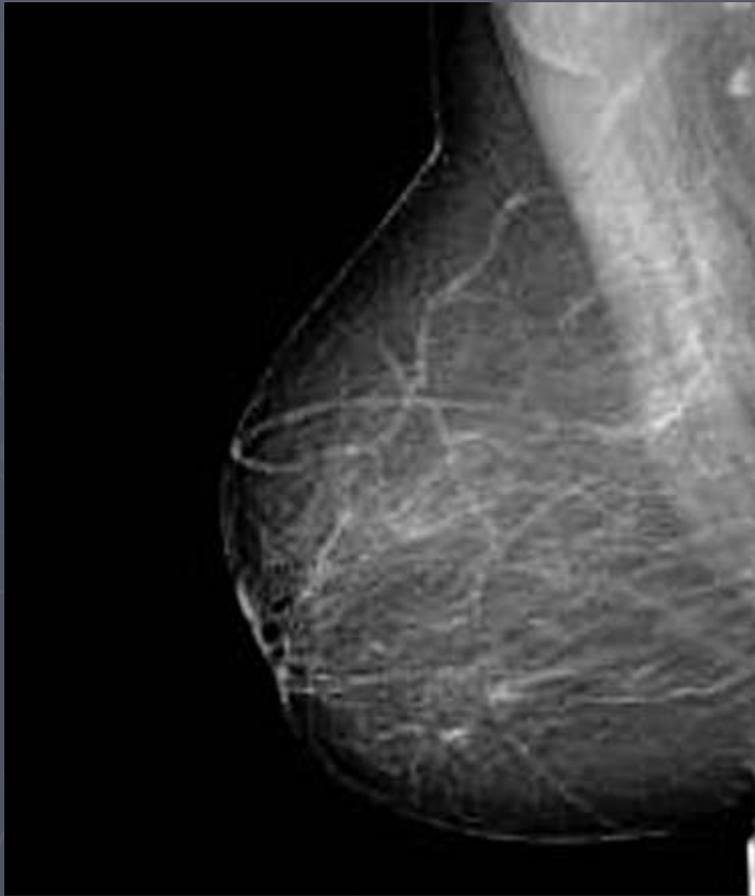
bicornuate

Magnetic Resonance Imaging

► Fluid, soft tissue and bony structures

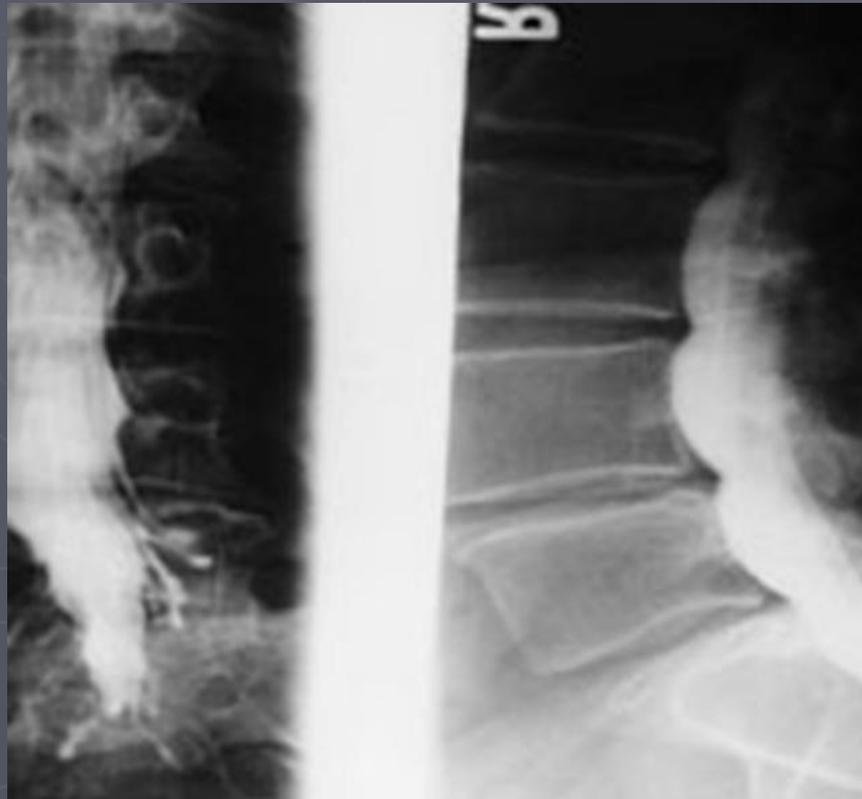


Mammography



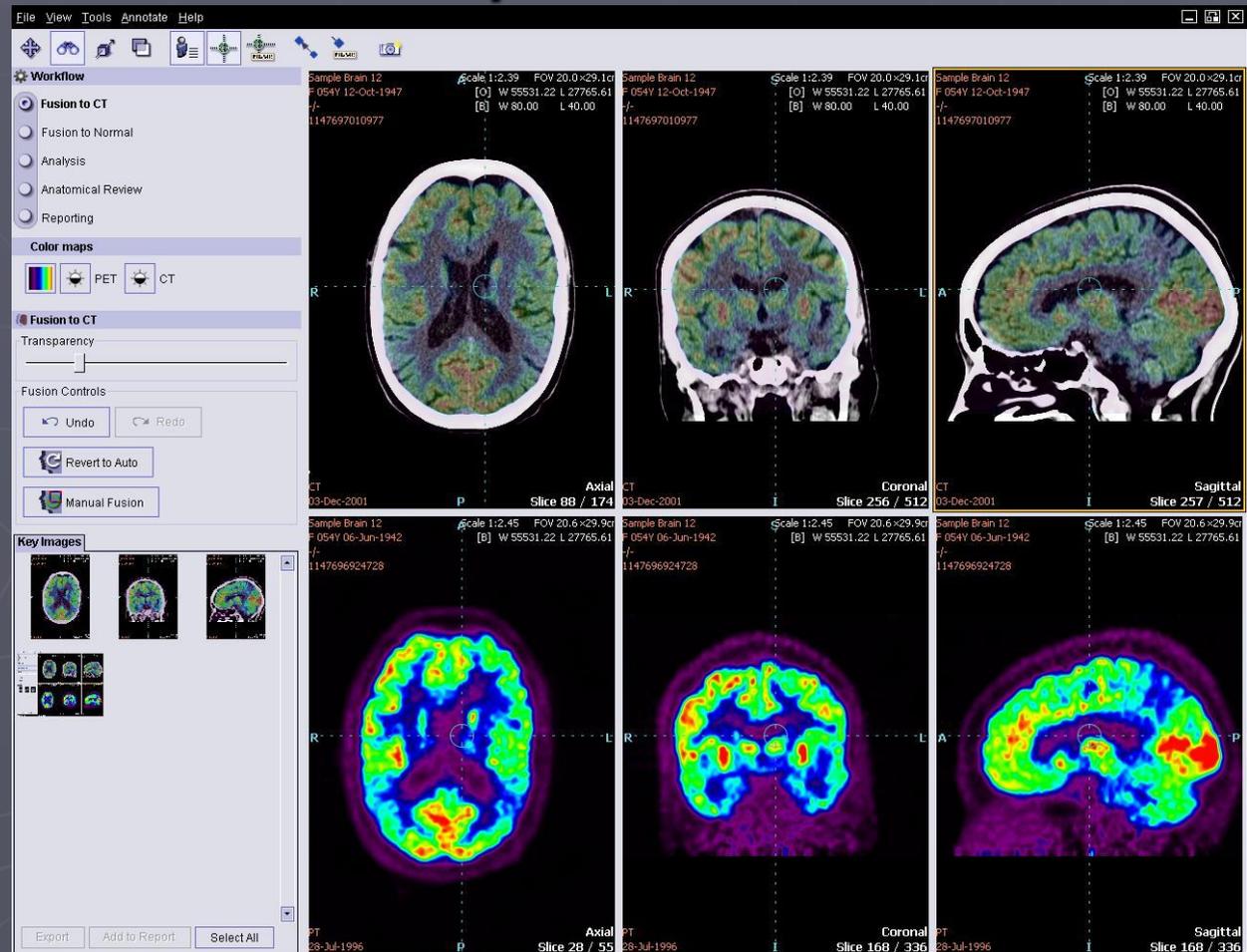
Myelography

- ▶ Spinal cord & vertebral canal



Positron Emission Tomography

- ▶ Biologic function of body before anatomical change



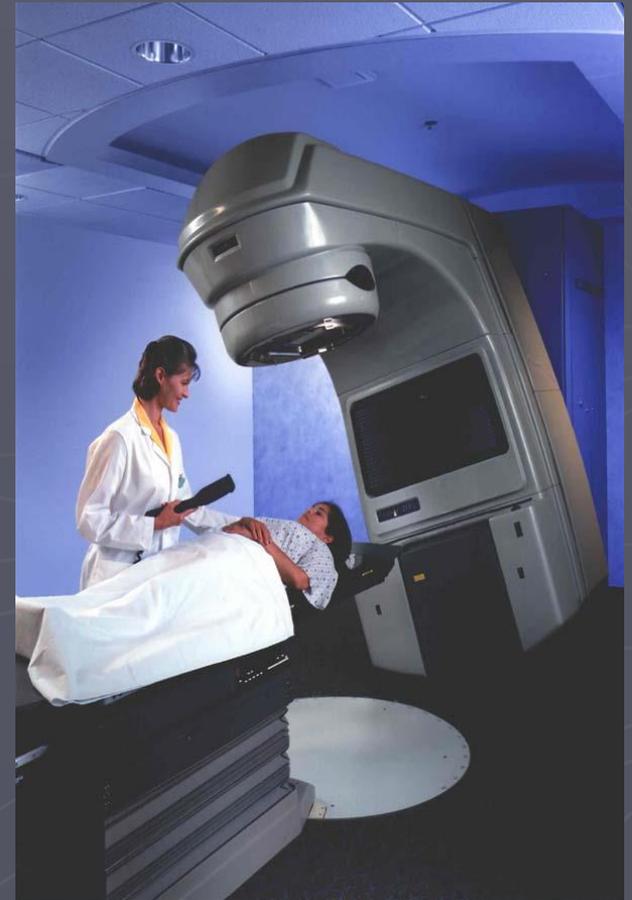
Pyelography (intravenous)

- ▶ IVP or IVU (urography)
- ▶ Urinary tract



Radiation Therapy

- ▶ Destroy or reduce tumor
- ▶ Decrease pain
- ▶ Relief obstruction
- ▶ Slow or stop cancer



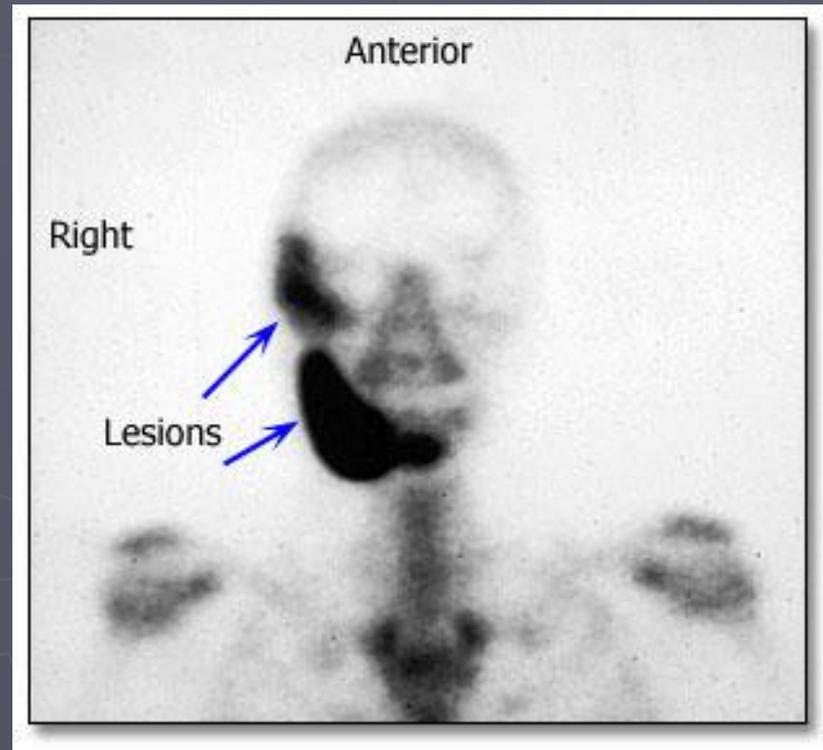
Radioactive Iodine Uptake

► thyroid

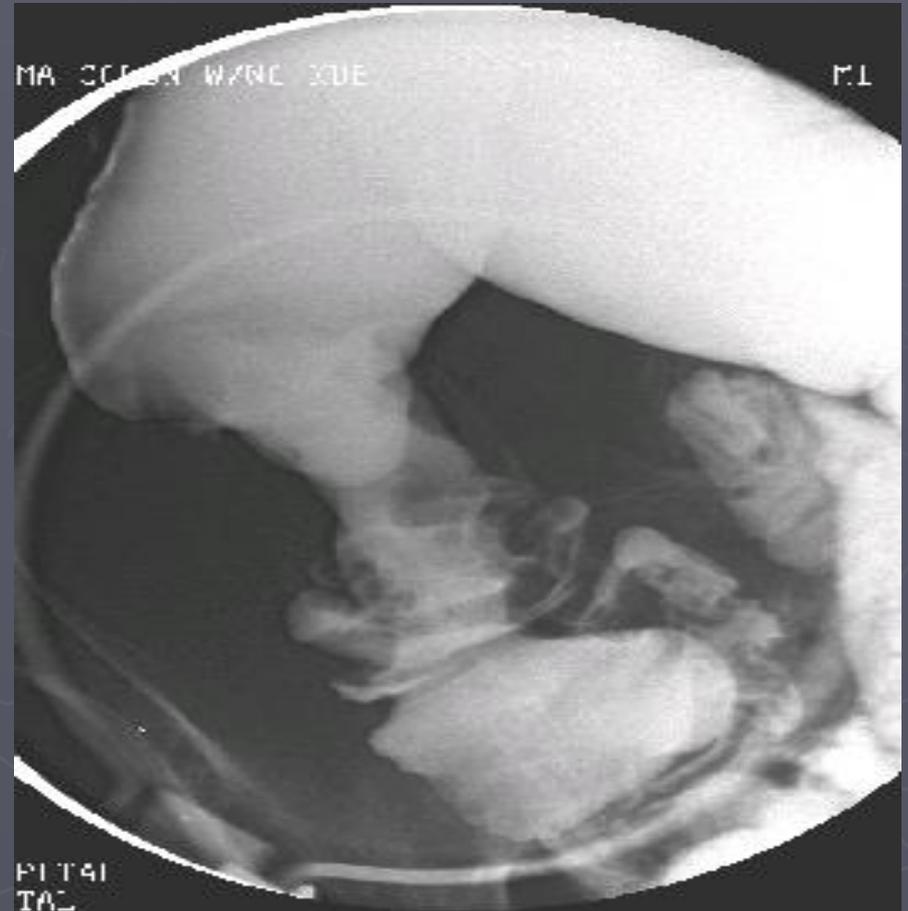


Scanning

- ▶ Bone, brain, liver, lungs
- ▶ radionuclides

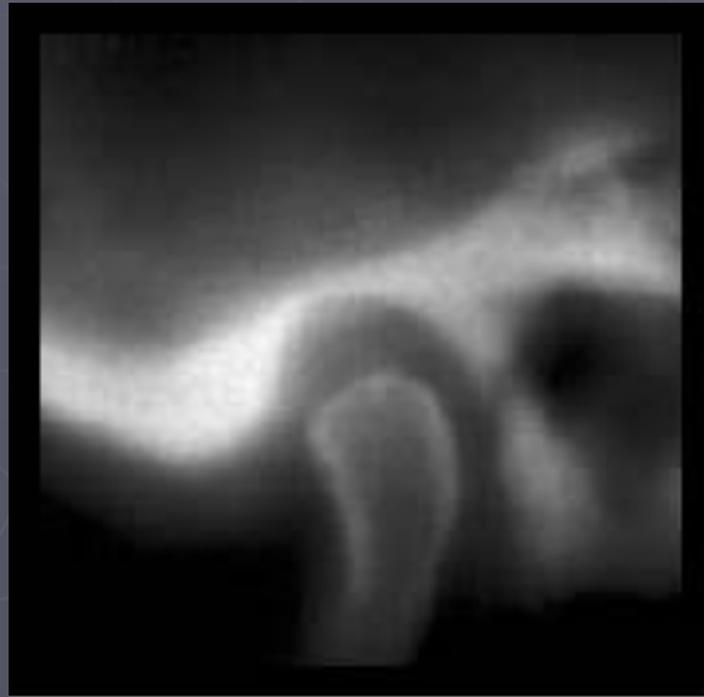


Small Bowel Follow Through



Tomography

- ▶ X-ray that allows cross section



Ultrasonography

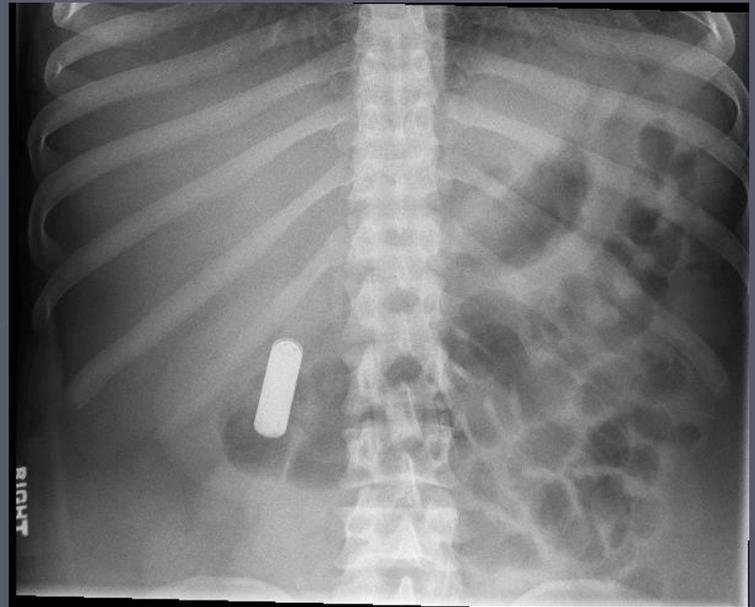


Venography

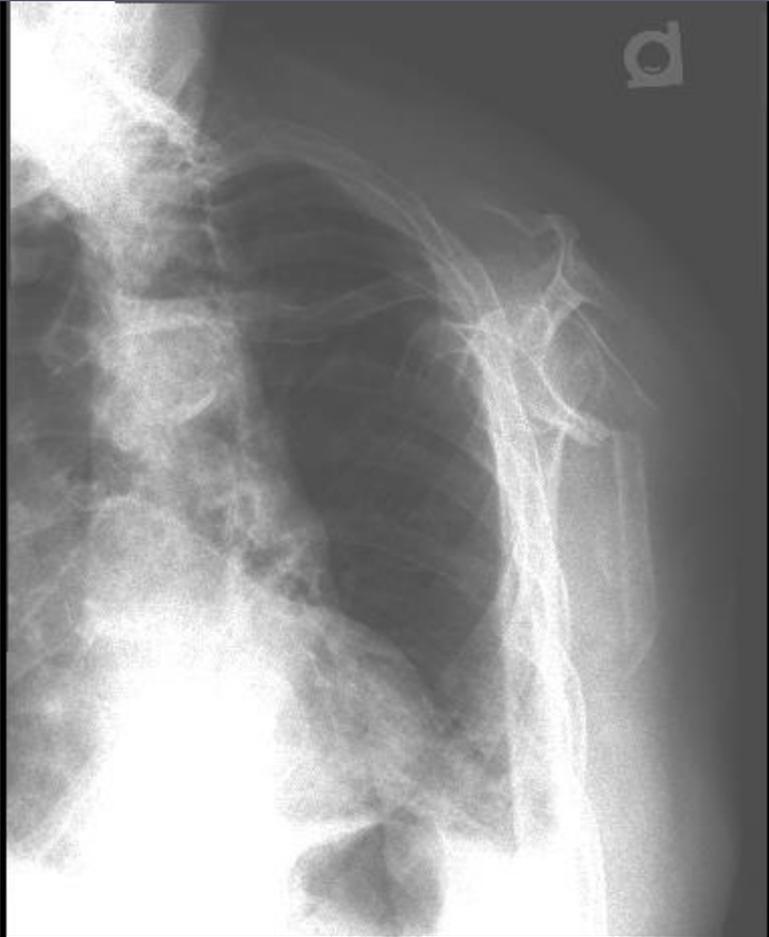
► Veins



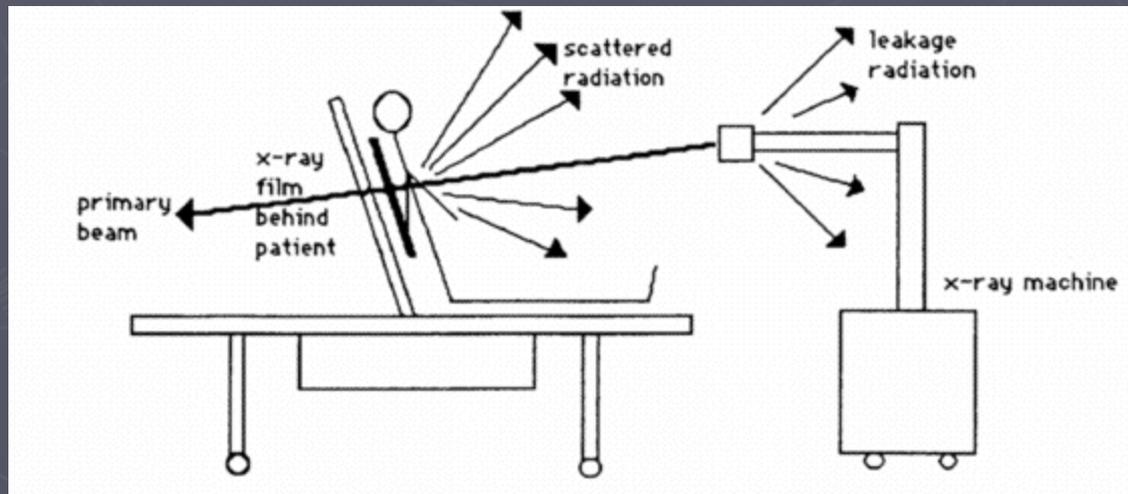
X-rays



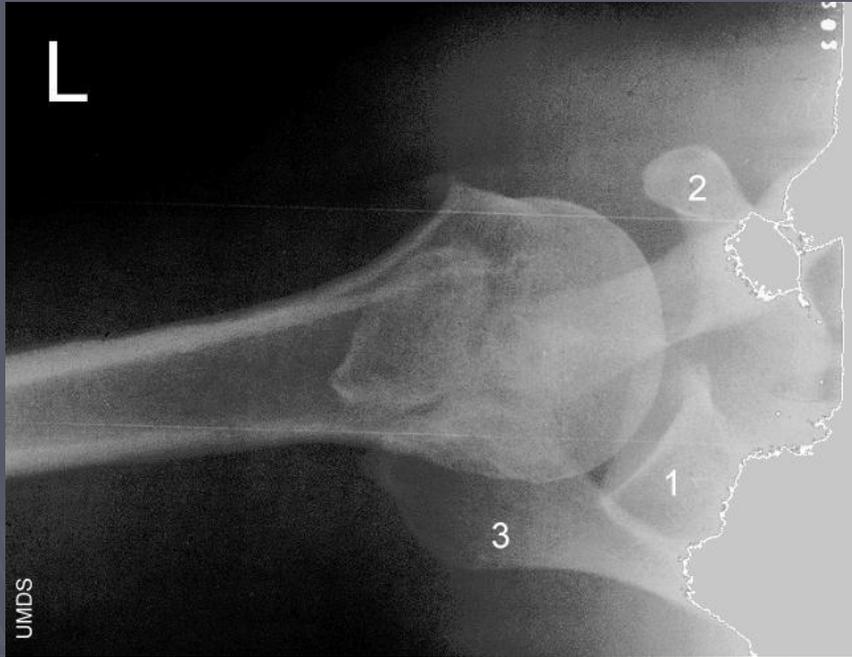




Anteroposterior



Axial

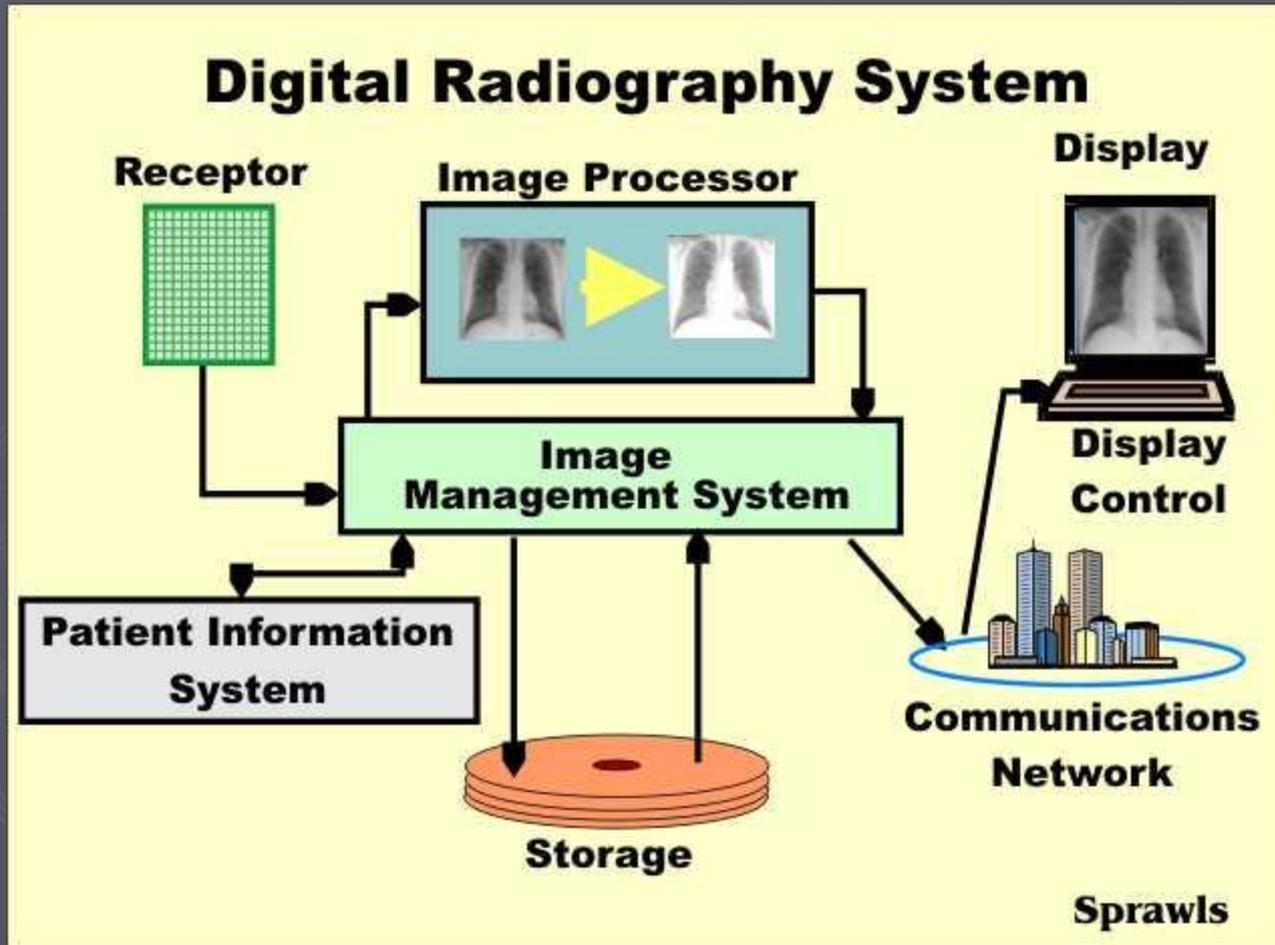


Brachytherapy

- ▶ Placing radioactive seeds into tissue



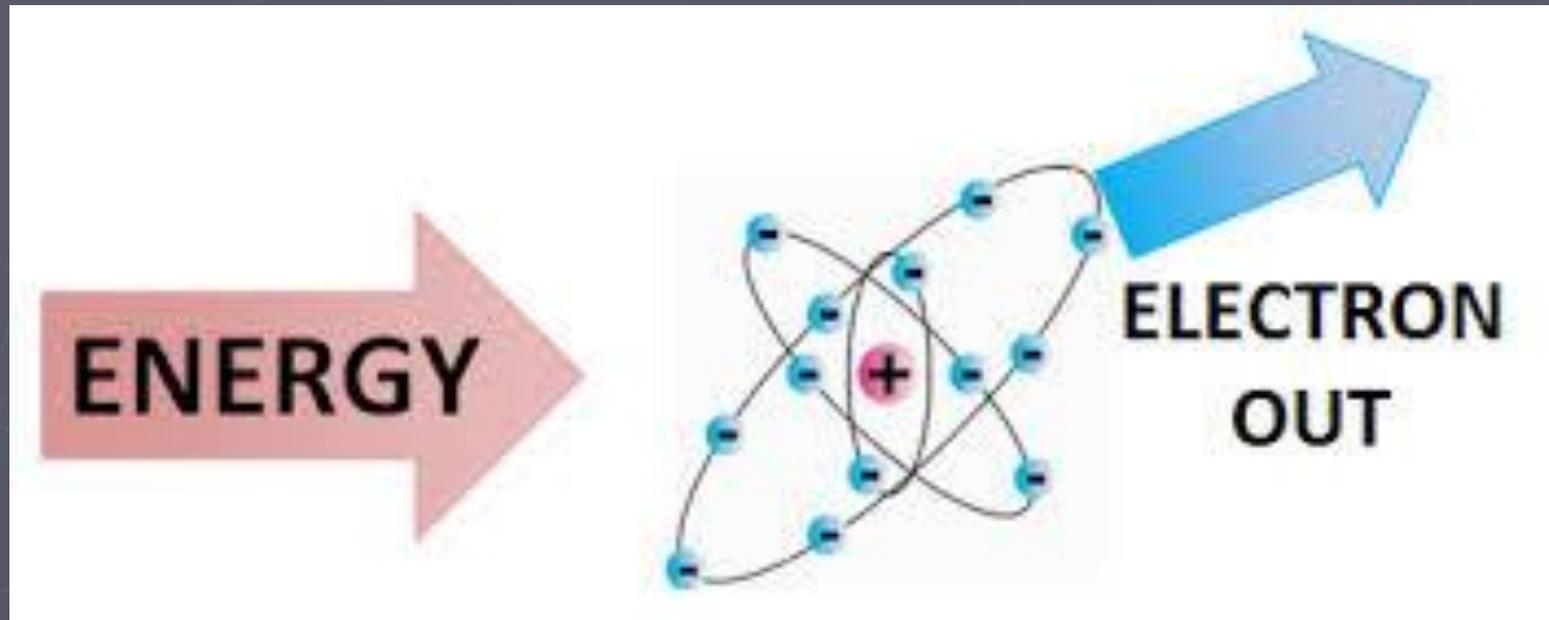
Digital Radiography



Gamma Camera



Ionization



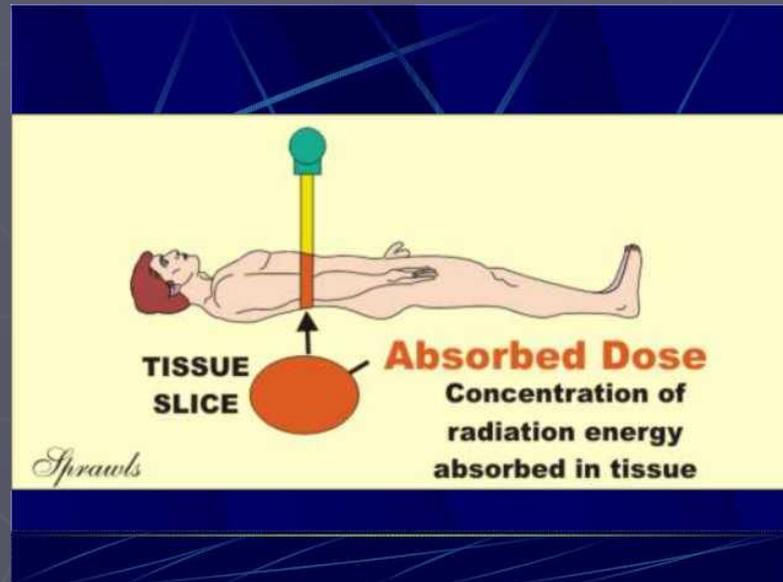
Nuclear Medicine



Posteroanterior



rad



Radiographer



Radioisotope



Radiologist



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Radiolucent

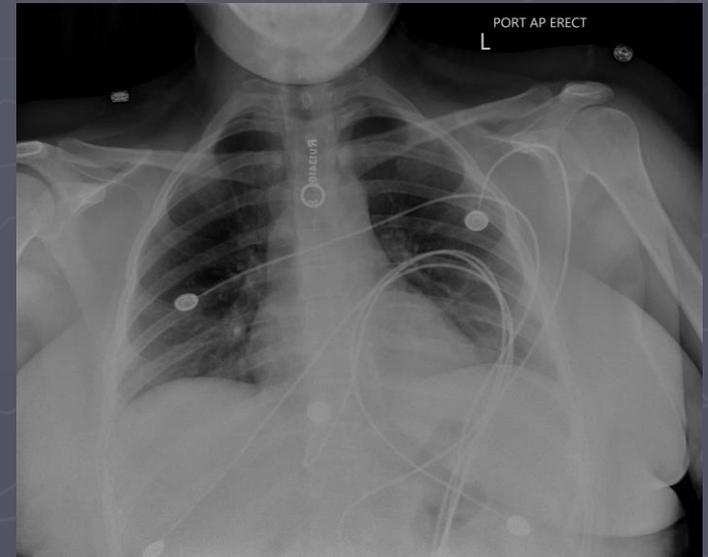


Radionuclide (radioisotope)

- ▶ Isotope that undergoes decay



Radiopaque



Radiopharmaceutical

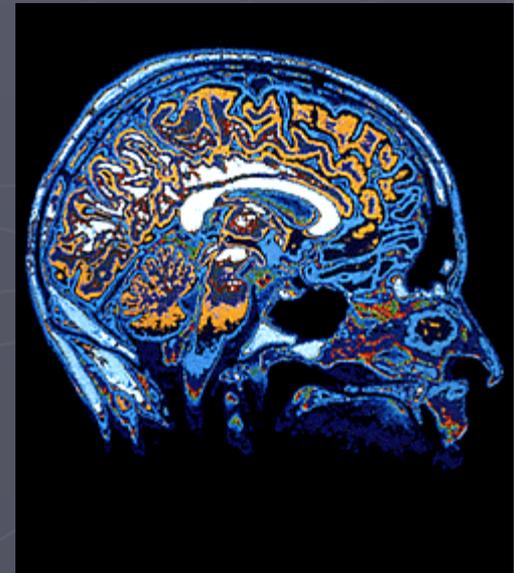


Roentgenology



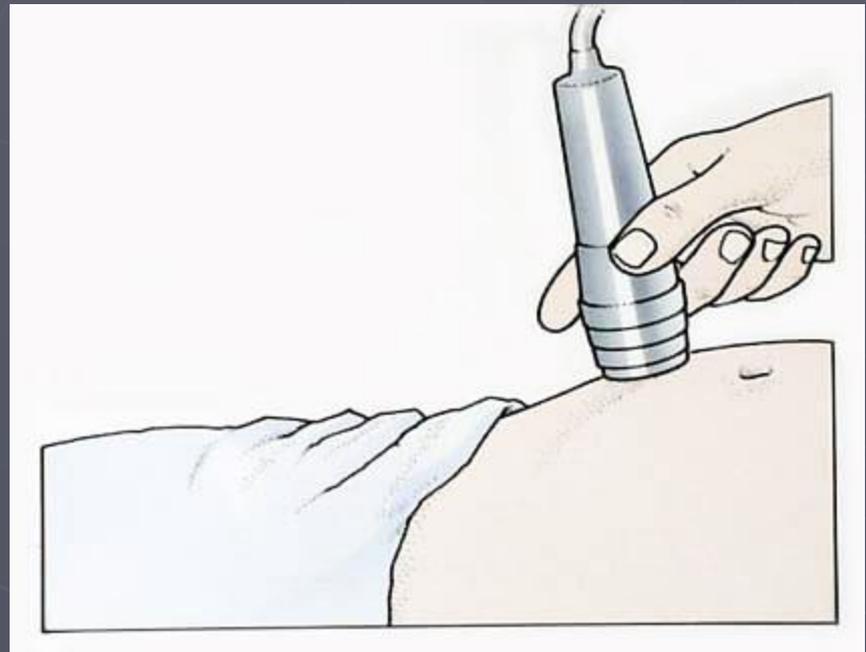
Single Photon Emission Computed Tomography

- ▶ Variation of CT that uses gamma camera



Transducer

- ▶ Used in Ultrasound



Word Elements

- ▶ Angi/o
- ▶ Anter/o
- ▶ Arthr/o
- ▶ Arteri/o
- ▶ Bronch/o
- ▶ Cardi/o
- ▶ Fluor/o
- ▶ Radi/o
- ▶ Son/o
- ▶ Tel/e
- ▶ Tom/o

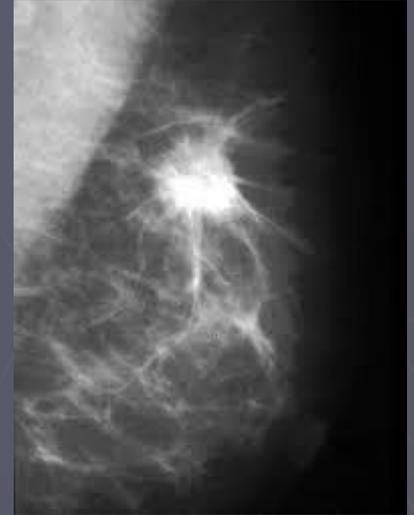
Common Abbreviations

- ▶ AP
- ▶ Ba
- ▶ BE
- ▶ CAT
- ▶ C-spine
- ▶ CT
- ▶ CXR
- ▶ ERCP
- ▶ Fx
- ▶ IVU
- ▶ KUB
- ▶ MRA
- ▶ MRI
- ▶ PA
- ▶ PET
- ▶ rad
- ▶ SBS
- ▶ UGI
- ▶ u/s

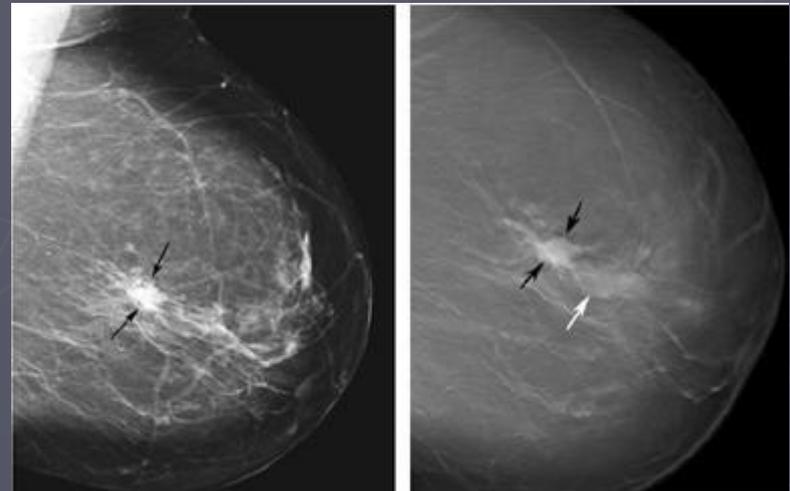
Benign



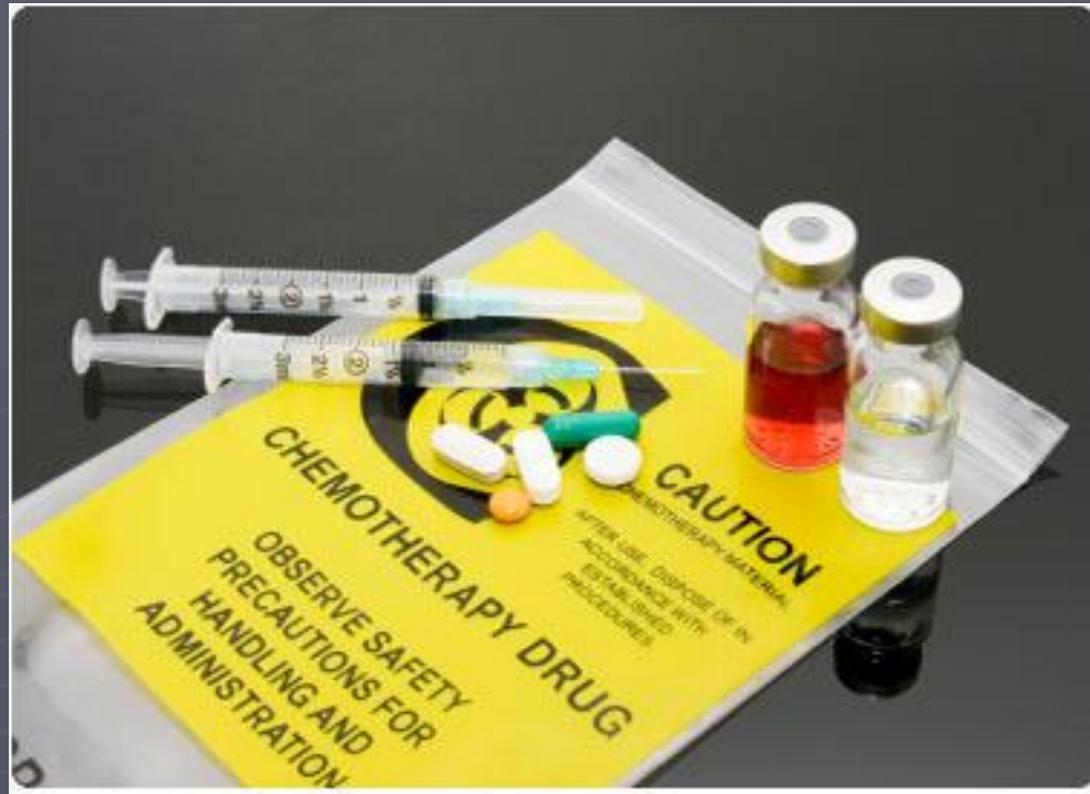
Carcinoma



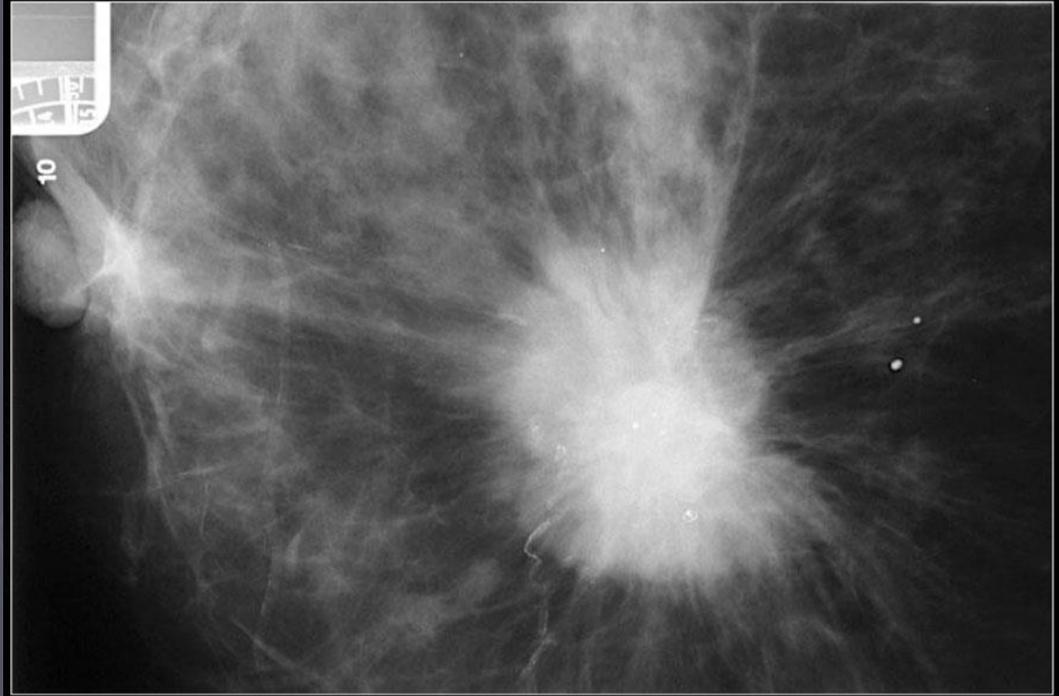
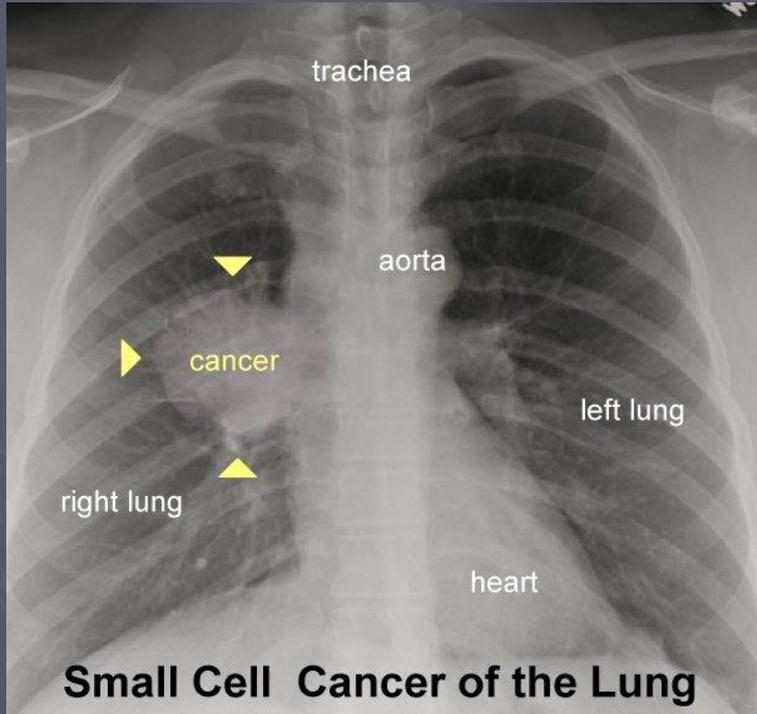
Carcinoma in Situ



Chemotherapy



Invasive



Malignant



Oncologist



Radiotherapy



Remission



"Sorry, Louise, old age doesn't go into remission."

Abbreviations

- ▶ ACS
- ▶ mets



