



Digital Fluoroscopy

Fluoroscopy traditionally refers to the use of an Image Intensifier to produce x-ray images. Modern machines use digital detectors to produce images. The radiation (x-rays) are produced by the tube of the machine when it is energised.

Our images are produced as the internal structures of the body absorb varying amounts of radiation (according to their density) as the x-rays pass through them. The detector reads the x-rays received and converts them to a digital signal that corresponds to the image we view. These can be static images, pulsed images or real time screening.

Fluoroscopy procedures are usually contrast studies where a contrast medium (such as barium, air, iodine, etc) is given to the patient. By introducing a contrast medium into an organ (e.g. stomach, bladder,) that structure is opacified and becomes visible when it would be otherwise hidden amongst other structures of the same density.

Services

All fluoroscopy procedures including:

- Gastro-intestinal studies, Barium / Single Contrast Enemas, Swallows, Meals, Follow throughs, Small Bowel Studies
- Arthrograms
- Myelograms
- Nephrostograms
- Urinary System studies (cystograms, urethrograms)
- PICC Lines
- HSG's
- Defaecograms
- Modified Barium Swallows with Speech Therapists

The Digital Fluoroscopy room also serves as backup for the angiography suites.

Hours of Operation

Normal hours of operation are from 8:30am to 5:00pm, Monday to Friday. On-call staff coverage is available for urgent procedures required outside these hours.

Location

The two Digital Fluoroscopy rooms are located within the main Department of Medical Imaging, Level 3, Ned Hanlon Building.

Enquires / Bookings

Enquires / bookings relating to Fluoroscopy Procedures may be made to the main reception / scheduling area on 364 62606.

For Urgent Enquiries please contact DF1 on 364 62359 or DF2 on 364 68331.

Images and reports from Digital Fluoroscopy procedures are archived to the PACS system, and can be viewed throughout the hospital on PC's via the Web1000.

When a procedure is booked, the preparation for that study is provided with the booking confirmation. Preparation may include specific bowel preparation, being nil by mouth, having a full bladder whilst some cases need no preparation at all.