

Department of Radiology & Imaging

Annual Report 2075/2076

Dr. Subaj Bhattarai

Consultant Radiologist, Head of Department, Assistant Professor NAMS

Radiology and Imaging has been an integral part of Modern Medicine since Wilhelm Conrad Roentgen discovered X rays in 1895. It has come long way to incorporate various diagnostic as well as therapeutic procedures including Image Guided Minimally Invasive Surgeries being performed nowadays. In PMWH, Ultrasonography (USG) is the most frequently performed radiological investigation for maternal, fetal and neonatal problems. We also perform X-ray based procedures like Hysterosalpingogram (HSG) & Intravenous Urogram (IVU). CT scan has been recently installed.

Facilities:

1. **USG** – Abdomen & Pelvis screening, Obstetric screening, Superficial parts (Neck, Breast & axilla etc), Joints, Neurosonography (Neonates), Fetal anomaly scan, Doppler study, Transvaginal scan, USG-guided procedures (Aspiration, FNAC, Biopsy etc).
2. **X Ray** – Digital X ray, Portable X ray, HSG, IVU etc.
3. **Mammography** – Digital
4. **CT scan**- Head, Neck, Chest, Abdomen & Pelvis etc.

Annual data:

1. **USG:** We performed total 76128 ultrasound examinations in Fiscal year 2075/2076. 67675 were abdomen & pelvis USG, 6823 fetal anomaly scans, 1430 Doppler studies and 200 other cases.
2. **X ray:** Total 3868 X ray and related procedures were performed, out of which 2257 Digital X ray, 1206 Portable X ray and 405 HSG.
3. **Mammography:** Total 114 mammograms were performed.
4. **CT scan:** 189 cases of CT scan were performed.

Challenges:

1. Lack of space in USG room to accommodate the large number of patients visiting on daily basis
2. Lack of skill enhancing training for radiologists and radiographers
3. Lack of MRI service
4. Lack of Fluoroscopy service for real time imaging like HSG & IVU.

5. Lack of Interventional Radiology (IR) set up

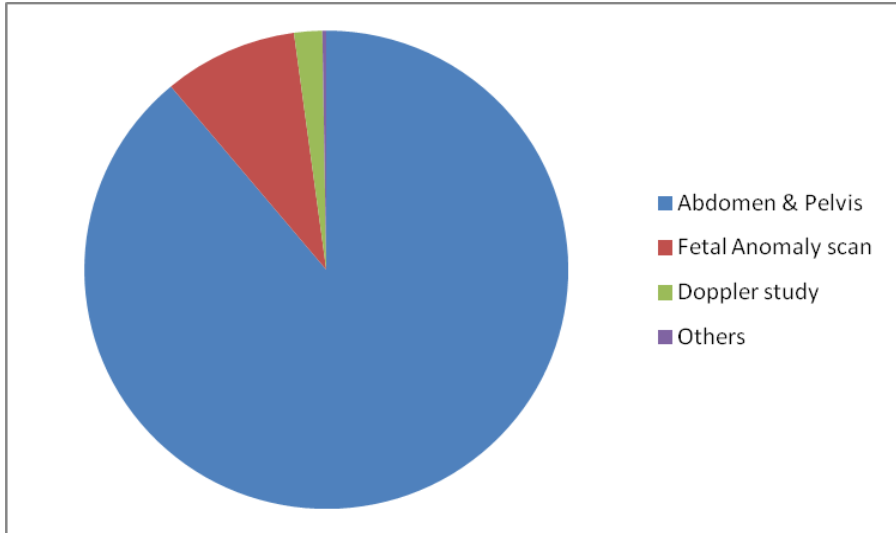


Figure 1: USG performed in FY 2075/2076 according to broad category

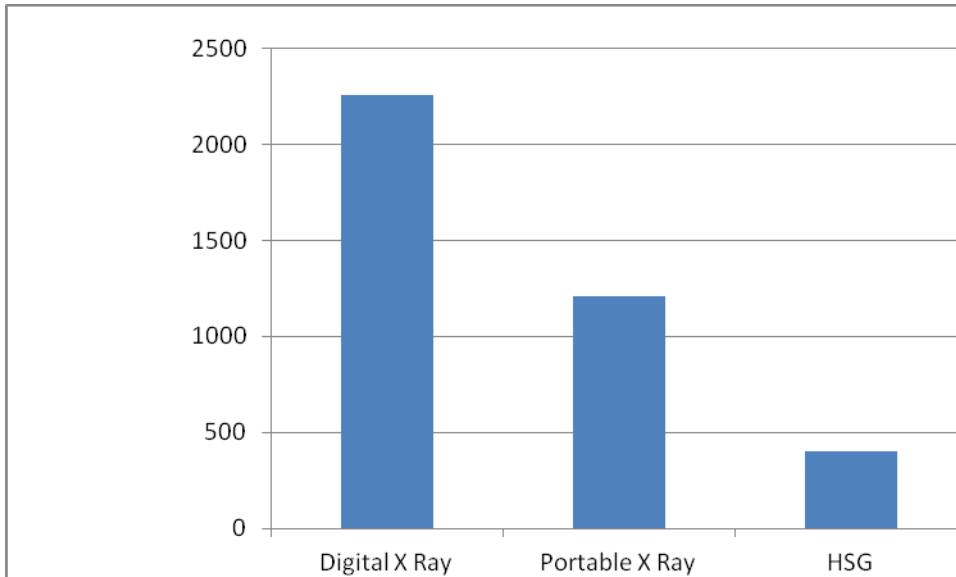


Figure 2: Type of X ray procedure done in FY 2075/2076