

RADIODIAGNOSIS AND IMAGING AT MMC

INTRODUCTION:

The Department of Radiology of Muzaffarnagar Medical College is at the forefront of academic radiology departments. Doctors here are working round the clock for the diagnosis of the patients.

HEAD OF DEPARTMENT:



Dr. Bindu Agrawal

Head of Department, Radio diagnosis and Imaging

Dr. Bindu Agrawal is a graduate (MBBS) and postgraduate (MD & DMRE) from B. J. Medical College, Gujarat University. She has more than 9 years of PG teaching experience and many articles published in various National & International Journals. She is an Examiner for the MD examinations in various colleges and Universities.

She has done basic (rBCW) and Curriculum Implementation Support Programme (CISP).

Post held in academic organizations:

- Member IMA
- Member IRIA
- Past Executive member IRIA Meerut
- Executive member WDWIMA Meerut

VISON OF THE DEPARTMENT:

We strive to improve the coverage of our services while maintaining a high level of quality reporting.

MISSION OF THE DEPARTMENT:

To develop comprehensive and modern facilities, and provide diagnostic and interventional services to our patients at an affordable cost.

FACILITIES AND EQUIPMENT:

The department is equipped with 800 mA X-Ray machines with IITV facilities, CR radiography, and DR radiography. Besides X-Rays, all specialized X-Ray investigations are carried out. There are high-resolution USG machines with color Doppler facilities to perform arterial & venous Doppler (Carotid, Upper & lower limb, Renal, Hepatic, Antenatal including level II) along with various guided biopsies & drainage procedures. The department is also equipped with modern mammography facilities and multi-slice CT machines with synchronized pressure injectors to carry out NCCT (Head, PNS, Face, Neck, Spine, Thorax, Abdomen, Pelvis, upper & lower limb) and their CECT counterpart with angiography & guided biopsies. MRI 1.5 Tesla with compatible anesthesia trolley is also available to carry out all types of MRI including joints, MR Angiography, MR Spectroscopy & MRCP. There is also facility to carry out Digital Subtraction Angiography. There are also facilities to carry out X-rays & USG on portable machines for emergency patients.

ACADEMIC ACTIVITIES:

Besides training in plain Radiography, Special Investigations, Ultrasound, Color Doppler, Mammography the post graduate are exposed to CT, MRI on rotation basis.

Academic activities for post graduate residents are as follows.

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| 1. Group Discussions | Every Monday |
| 2. Seminar | Every Tuesday / Wednesday |
| 3. General Club | Every Thursday |
| 4. Film reading sessions | Every Friday |
| 5. Theory class by faculty | Every Friday |
| 6. Case Presentation | Every Saturday |

Department has been successfully running the PG programme for the last eight years (since 2013). The PG students are guided with a stepladder approach laying emphasis on the basics of Radiology in the 1st year and exposure to pathologies and advanced imaging in the 2nd & 3rd years. Interactive teaching modules & regular internal assessment exams are regularly held to expose the student to the gamut of Radiology.

The postgraduate students are encouraged to participate in the conference & Paper presentation.

The Department has the objective of excelling in academic & clinical modules by continual improvement through sub-specialization, internal, external validation & being abreast with recent advances.

AWARDS AND HONOURS:

Dr. Shubhangi Gupta of our department was awarded VICE CHANCELLOR GOLD MEDAL in MD Radio diagnosis examination held in 2020 on securing highest marks in Chaudhary Charan Singh University, Meerut.

COURSES:

We offer under graduate training & postgraduate courses (MD Radio diagnosis), Post graduate (MD), our department 3 Postgraduate seats.

EFFORTS WORTH MENTIONING:

Since the beginning of the pandemic, our Doctors are continuously doing their duties for reporting HRCT Chest, X-rays & USG. Along with it, they were also posted in Covid wards taking care of covid Patients & covid control room. One of the doctors also voluntarily donated plasma, which was used for treating Covid Patients.

PREPARATION FOR THIRD WAVE:

A third possible wave in India due to prevailing Covid 19 variant is likely to affect children and thus in collaboration with pediatrics department, under the leadership of respected Principal DR. G.S Manchanda, Dean Academics Dr. Manish Agrawal and Head of Department (Radiodiagnosis) Dr. Bindu Agrawal various covid-19 training workshops are being held regularly.

The Radiology Department is fully geared to face the upcoming Covid-19 wave for round the clock imaging (X-ray, USG, CT scan & MRI scan) & emergency reporting of cases on priority basis. The Department provides 24 x 7 services in the Hospital and is equipped with state of the art equipment with trained staff to deliver efficient and quality care.