

Maharashtra University of Health Sciences, Nashik

Local Inquiry Committee Report

For Academic Year 2024-2025

(For Grant Of Continuation / Extension of Affiliation

for affiliated B.Sc. in Paramedical Technology colleges

College Code 101102

Date of Inspection _____

Name of College : Seth G.S.M.C. & KEM Hospital Parel Mumbai-400012

Sr. No.	Particulars to be verified	Remark of the LIC
1	Course Conducted	B.Sc. in Paramedical Technology (Radiology)
2	Numbers of Students Enrolled	30(10+10+10)
3	Separate Class available / Not available	Yes
4	Curriculum followed / Not Followed	Yes
5	Timetable / Duty / Theory / Practical Conducted Yearly	Yes
6	Separate List of Books for BPMT	Yes
7	Library Reading Area: Available / Not Available	Not Available

Date Verified by the Committee members:

Member

Member

Member

Chairman

Hemangini Thakkar
14/2/25

Dr. Hemangini Thakkar
Professor and Head
Department of Radiology
Seth G. S. Medical College & KEM Hospital
Parel, Mumbai - 400 012.

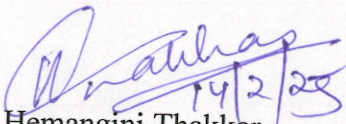
BPMT

DEPARTMENT OF RADIOLOGY

Seth G.S. Medical college & K.E.M. Hospital Parel, Mumbai 400 012

FIRST YEAR LECTURE SCHEDULE

SR.NO	TOPICE	FACULTY
1	Ankle joint AP/ Lateral/ Mortise	Dr.Amit
2	Chest AP/Lateral/Oblique/ Lodratic view and Anatomy of chest view	Dr.Chandranshu
3	Abdomen Radiography/ Anatomy /Projection and position	Dr.Shivakumar
4	Hip bone pubic symphysis AP/Lateral,jaudet,Frog , Projection and Position,Anatomy	Dr.Zubin
5	Elbow joint AP,/Lateral position,Projection and Angulation	Dr.Shirish
6	Skull position AP/Lateral, Towns view, waters and Caudwell view	Dr.Trupti
7	Whole spine: C-spine, L-spine, thoracic spine Position	Dr. Sayali
8	PBH view Anatomy projection, Position ,Hand AP/Lateral, Ball catch view	Dr.Pradeep
9	Shoulder AP/Lateral ,Axial view projection,Anatomy, Pathology	Dr. Ajith
10	Skull and facial bone Radiography, Positions,Projection,Anatomy	Dr. Saiparsad
11	Knee joint Anatomy, Projection	Dr.Chandrashekhar
12	Chest views ,Upper limb and Lower limb Position	TECH. JAYWANT J.
13	Introduction to MCU, RGU, IVP	TECH. SHIVAJI B.


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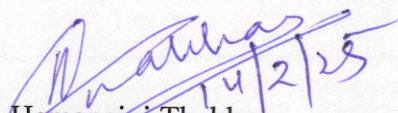
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SR.NO	TOPICE	FACULTY
1	Computed Tomography: Basic Principles, history, tube design, generations, EBCT, X Ray Tube Design and construction	Dr Pranay
2	Special Requirements of CT Tube, Concept of HU, Multidetector CT. Design and Construction, Its influence on Radiation Safety ,Resolution In CT ,CT artifacts and their detection	Dr. Saiprasad
3	Ultrasonography: Physical Principles , Transducer Design and Construction Types of Imaging (A Mode, B Mode, TM Mode) Other aspects of ultrasound physics.	Dr. Chandrasekar
4	Colour Doppler : Fundamental Principles, Pulse Wave and Continuous Wave , Colour Map	Dr Ganesh B
5	Introduction to concepts of cross sectional anatomy, axial, coronal and oblique planes Cross sectional Anatomy of Head and Brain Neck (Major parts only)	Dr Mit
6	Cross sectional Anatomy of Neck (Major parts only) Cross sectional Anatomy of Thorax	Dr Siva
7	Cross sectional Anatomy of Abdomen (Major parts only) Cross sectional Anatomy of Pelvis (Major parts only male pelvis and female pelvis soft tissues)	Dr Chandranshu
8	Cross sectional Anatomy of Upper limb Cross sectional Anatomy of Lower limb (Major parts only hip, knee and ankle)	Dr. Sayali
9	Introduction to CT scanning Fundamentals: Terminology and parts (Equipment Nomenclature and Introduction) , CT Introduction:Equipment parameters- Basic, Single Slice & Spiral CT , Equipment parameters- Multidetector	Dr Pinaki
10	CT IV Contrast Use: Basics of Contrast Injecting and Use of Power Injectors. Concepts of HU, MPR, MIP, 3D reconstruction etc	Dr. Meet

11	CT Technique: Neurocranium and Pituitary Fossa, CT Technique: Temporal Bone ,CT Technique Orbit , CT Technique Paranasal sinuses ,CT Technique Cervical Spine and Neck ,CT Brain Angiography	Dr. Ajith
12	CT Technique Thorax Plain and Contrast with Pulmonary Angiography	Dr Asad
13	CT Technique for Abdomen with aortogram ,CT Technique Female pelvis ,CT Technique Male pelvis	Dr. Shirish
14	CT Technique Cervical spine , CT Technique Thoracic spine , CT Technique Lumbar spine	Dr. Harshitha
15	CT Technique Lower Limbs ,CT Technique Upper Limbs ,CT Upper and Lower limb angiography	Dr Ganesh S
16	CR: Equipment nomenclature and Introduction, Procedures, Documentation Artefacts ,errors , Limitations CR: Radiation Safety Features	Dr Aishwarya S
17	DR: Equipment, Nomenclature and Introduction ,Image Acquisition , Parameters 3 Artefacts ,Errors and Radiation Safety Factors	Dr Pramod
18	Image Quality: Basic Testing Procedures in Conventional Radiography. Quality Assurance in Film Processing	Dr. Pradeep
19	Administration: Care and Maintenance of Equipment. Log Books. Disposal of Used Chemicals Bio-waste Disposal in Radiology Department	Dr. Trupti

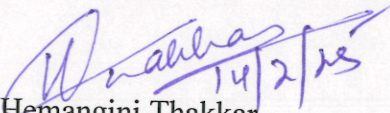

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Lecture series for Third year BPMT

1	MRI : Introduction to MRI Procedure MRI Technique: Terminology and Parts of Equipment MRI Technique: Coils MRI Technique: Pressure Injector	Dr. Dipak
2	MRI Technique: MR Contrast Media MRI Technique: MR Patient Safety procedure MRI Technique: MR Equipment Safety	Dr.Suraj
3	MRI Technique: Basic MR sequences and Clinical Implications MRI Technique: Brain Basic MRI Technique: Brain for Cerebrovascular Accident MRI Technique: Perfusion Technique	Dr.Sumeet
4	MRI Technique: Epilepsy MRI Technique: Inner Ear MRI Technique: Orbit MRI Technique: Sella	Dr. Sana
5	MRI Technique: Cervical Spine MRI Technique: Dorsolumbar Spine MRI Technique: Lumbosacral Spine MRI Technique: Post-Operative Spine MRI Technique: Spinal Trauma MRI Technique: Sacroiliac Joints	Dr.Priti
6	MRI Technique: Kidneys and MR Urography MRI Technique: Female Pelvis MRI Technique: Male Pelvis MRI Technique: Adrenal Gland	Dr. Pavan
7	MRI Technique: Temporomandibular Joints MRI Technique: Shoulder Joint MRI Technique: Elbow Joint MRI Technique: Wrist Joint and Hand MRI Technique: Hip Joints MRI Technique: Knee Joint MRI Technique: Ankle Joint and Foot	Dr. Shikha
8	MRI Technology, The Magnetic Resonance Phenomenon Basics of MR Image Formation Design & Construction of Components of Scanner RF Coils	Dr.Suraj
9	MRI Technology : Parallel Processing MRI Technology : BOLD imaging and Functional MRI MRI Technology : Perfusion Imaging MRI Technology : MR Spectroscopy Imaging Parameters and Their effect on Image acquired	Dr. Anjali

10	Radiation safety In The Fluoroscopy Suite Radiation Dosage Monitoring and TLD Service Methodology MR Safety Considerations MR Safety for Patients MR Compatibility of Implants	Dr.Shikha
11	PACS : Introduction Components Types and Architecture : Maintenance and Security Future Directions How to assess a PACS system PACS and EMR : Electronic Medical Records Standards	Dr.Satyam
12	Radiography in Ortho paedics Radiography In Polytrauma Radiography In Disaster Situation Radiography In ICU Radiography In Operation Theater C Arm Use in Operation Theater	Dr.Anjali
13	Radiography of Scoliosis Skeletal Survey	Dr.Chaitanya
14	Mammography Basics	Dr.Dhruvil
15	Introduction, Basic Equipment and Procedure PET CT: Image Acquisition and Processing	Dr.Aniruddha
16	DICOM Standards: Introduction Components of the DICOM standard DICOM Compatibility of Equipment and DICOM Licensing DICOM Functions	Dr.Rahul
17	Occupational Health: Hazards in Radiographic and Imaging Technology Electrical Safety Radiation Safety : Principles of Radiobiology , Current Regulations and Standards ,: Indian Regulations and Procedures Administrative Aspects Dosimeters and their use Protective Equipments and Procedural Techniques)	Dr. Gautham
18	Administration: Record Keeping and Documentation Administration: Inventory Management Administration: PCPNDT Act	Dr. Shirish
19	Quality Assurance in CT scanning Quality Assurance in MRI Medico- legal issues in Medical Record Keeping	Dr. Prakash


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