



MGM DENTAL COLLEGE AND HOSPITAL, NAVI MUMBAI

Accredited by NAAC with "A++" Grade,

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Radiology Field Visit

01/04/2025-15/04/2025

Venue:-Department of Radiodiagnosis, MGM Medical College & Hospital, Navi Mumbai

Time: 2 pm Onwards



'AMAZING TECH TO MAKE INVISIBLE VISIBLE'

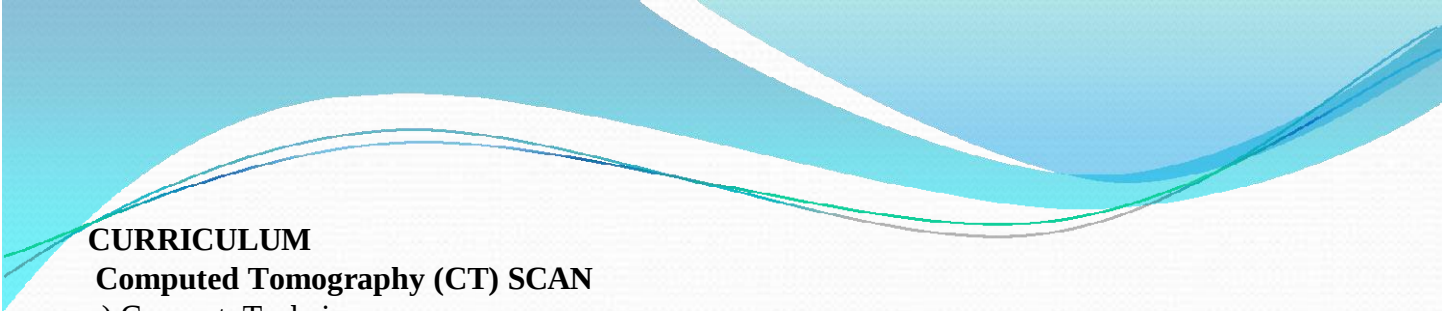
AIM

To introduce interns to advance Diagnostic imaging modalities:

Computed Tomography (CT)

Magnetic Resonance Imaging (MRI)

Ultrasonography (USG)



CURRICULUM

Computed Tomography (CT) SCAN

- a) Concept, Technique
- b) Difference in image formation between conventional, CBCT and CT scan.
- c) Image quality and structure visibility.
- d) 3DVTAnatomy of Head and Neck region.=including Soft Tissue
- e) Understanding CT Image and Manipulations.
- f) Why CT scan Differencebetween2Dand 3Dimages.
- g) Various Modifications
- h) Dental Software
- i) Modes, enhancements, window concept, interventional
- j) Use and indications—Evidence supported.
- k) Interpretation.

Magnetic Resonance Imaging (MRI)

- a) Concept, Technique
- b) Difference in image formation. Between conventional, CBCT and CT scan.
- c) Physics of Image formation.
- d) Image quality and structure visibility.
- e) 3D MRI Anatomy of Head and Neck region including Soft Tissue anatomy.
- f) Understanding MRI Image and Manipulations.
- g) Why MRI—Difference between 2D and3D images.
- h) Various Modification—T1WT,T2WT.Dynamic—Flair
- i) Visualization air,water,fat.Metabolic changes in imaged development.
- j) Interpretation.
- k) Use and indications



Ultrasonography

- a) Physics, Doppler effect.
- b) Materials and equipment.
- c) Image formation and modes.
- d) 3dand4d images/video.
- e) Application and usage.
- f) Diagnostic use.
- g) Interpretation.



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Dean.

No.MGM/DCH/350 /2025

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Date: 21 /03/2025

Office Circular no. 28 /2025

The department of Oral Medicine & Radiology, MGM Dental College & Hospital, Kamothe, Navi Mumbai in co-ordination with department of Radiodiagnosis, MGM Medical College & Hospital, Kamothe, Navi Mumbai is organizing a Radiology field visit for the Interns. The schedule for the same is enclosed herewith.

- Title: Introduction to Advanced Imaging – Amazing Tech to make invisible visible.
- Date: 01/04/2025 to 15/04/2025
- Time: 2.00 pm onwards
- Venue: Interns to report at Department of Oral Radiology

Kindly allow the Interns to attend the same.

Schedule for field visit

Sr. No	Date	Time	Batch
1.	01/04/2025	2.00 pm onwards	Batch A
2.	02/04/2025		Batch B
3.	03/04/2025		Batch C
4.	04/04/2025		Batch D
5.	08/04/2025		Batch E
6.	15/04/2025		Batch F



S. Srivalli
Dean

Copy to:

- All Departments (Dental subjects)