



MGM DENTAL COLLEGE AND HOSPITAL, NAVI MUMBAI

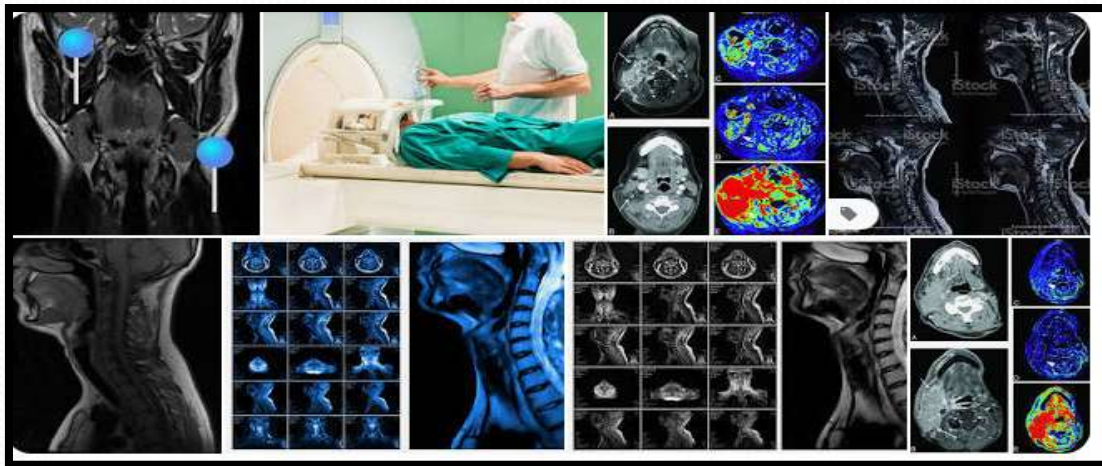
DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Radiology Field Visit

From 27th February 2023 to 03rd March 2023

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

Time: 1:30pm Onwards



‘AMAZING TECH TO MAKE INVISIBLE VISIBLE’

Field Visit Incharge – Dr. Priyanka Tidke (Lecturer, OMDR Dept)

Field Visit Co-ordinator – Shruti Singh (Intern)

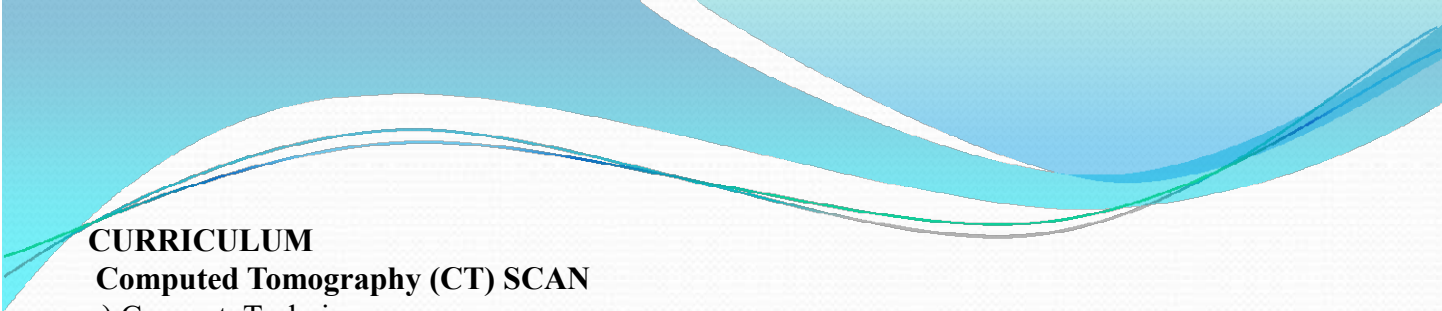
AIM

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) 3D VT Anatomy of Head and Neck region. = including Soft Tissue
- e) Understanding CT Image and Manipulations.
- f) Why CT scan Difference between 2D and 3D images.
- g) Various Modifications
- h) Dental Software
- i) Modes, enhancements, window concept, interventional
- j) Use and indications—Evidence supported.
- k) Interpretation.

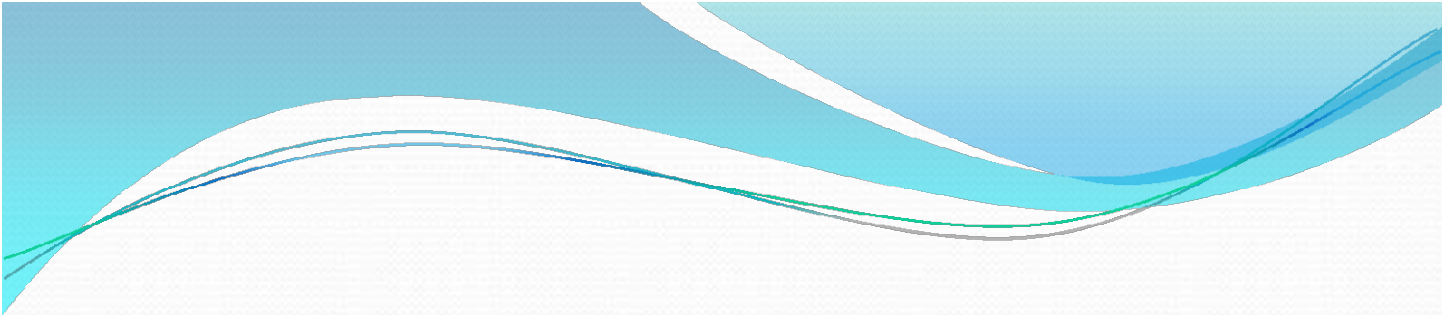
Magnetic Resonance Imaging (MRI)

- 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 and 3D images.
- h) Various Modification—T1WT, T2WT. Dynamic—Flair
- i) Visualization air, water, fat. Metabolic changes in image development.
- j) Interpretation.
- k) Use and indications



Ultrasonography

- a) Physics, Doppler effect.
- b) Materials and equipment.
- c) Image formation and modes.
- d) 3d and 4d images/video.
- e) Application and usage.
- f) Diagnostic use.
- g) Interpretation.



Field visit Schedule :

SR.NO	DATE	BATCH
Regular batch(1-30)	27/02/23	A
Regular batch(31-60)	28/02/23	B
Regular batch(61-87)	01/03/23	C
Odd batch(1-17)	02/03/23	D
Extern batch(1-31)	03/03/23	E

