

SHORT TERM COURSE ON  
**DENTAL CONE  
BEAM CT & IT'S  
RADIOLOGICAL  
INTERPRETATION**

 **6 Days**

 **Begins Aug 2023**

 **INR 1000**

*Vishal*  
**PROFESSOR & H.O.D.  
DEPT. OF ORAL MEDICINE & RADIOLOGI  
RDCHRC, LAKHANPUR  
KANPUR - 208024**

# RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))  
 Rama City, G.T. Road (Near Mandhana Railway Station)  
 Mandhana, Kanpur- 209217

Date: 14.10.22

Rama Dental College, Hospital & Research Centre

Kanpur

Department of Oral Medicine and Radiology

Minutes of Meeting

Board of Studies

A meeting of Board of Studies was held on 14.10.22 at 10.30am in the office of HOD, Department of Oral Medicine and Radiology for Undergraduate and Postgraduate program. The following members were present:

1. Dr. Vishal Mehrotra, Professor & HOD, Chairman & Convener
2. Dr. Rahul Srivastava, Professor, Department of Oral Medicine and Radiology-Member
3. Dr. Kirti Garg, Reader, Department of Oral Medicine and Radiology-Member
4. Dr. Sechin Kushwah, Reader, Department of Oral Medicine and Radiology-Member
5. Dr. Samiksha Shwetam, Senior Lecturer, Department of Oral Medicine and Radiology-Member

The following members agreed to review the minutes:

1. Dr. Nitin Agarwal, Professor & HOD, Department of Oral Medicine and Radiology, Career Postgraduate Institute of Dental Sciences and Hospital, Lucknow-External Member
2. Dr. Pradhuman Verma, Professor & Chairman at Dr Ziauddin Ahmad Dental College, ANIL, Aigarh.

Agenda:

1. Action Taken Report(ATR) on minutes of Previous meeting  
 The BOS committee confirmed the minutes of the BOS meeting held on 10.02.2021
2. Review of the existing program and the curricula

S.No.	Item No.	Existing	Recommendation/Action Taken
<b>For BDS (Subject: Oral Medicine and Radiology)</b>			
1.	Syllabus for Oral Medicine and Radiology, 3 <sup>rd</sup> BDS and 4 <sup>th</sup> BDS as proposed by DCI's Revised BDS Course Regulation 2007 for the session 2022-2023 was discussed with the members	Revised BDS Course Regulation 2007, No. V, 12012/3/2006-DE dated 25.07.2007 as	Department of Oral Medicine and Radiology follows the course as per the DCI's Revised BDS Course Regulation 2007. Hence no amendment

*(Handwritten signatures and initials)*



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2.	Exposure visits (Internship)	The BDS curriculum as per DCI is based on 1 year compulsory internship to enhance the skills and knowledge of the students	needed in this regards. As the BDS curriculum (as per DCI) consists of 1 year compulsory internship program, hence there is no amendment needed in this regards
<b>For MDS(Subject: Oral Medicine and Radiology)</b>			
3.	Syllabus for MDS Course for the session 2022-2023 for the subject of Oral Medicine and Radiology was discussed with all the members as proposed in the DCI MDS Gazette 2017	Dental Council of India , Master of Dental Surgery Course Regulations, 2017,dated 5.11.2017	Department of Oral Medicine and Radiology follows the course as per the DCI's MDS Course Regulations 2017. <b>Hence no amendment needed in this regards.</b>
4.	Panel of External examiners /Paper Setters	-	Panel for external examiner/Paper setters is submitted for approval

### 3. Recommendation on New courses/Short Term Training

S.No.	Item No.	Feedback from Faculty/Students	Recommendation/ Action Taken
1.	Conduction of career oriented short term courses(30hours)	Training/certificate based short term courses for developing practical skills is suggested	One short term course is proposed for enhancing knowledge and skill of the students: Dental Cone Beam CT and its Radiological Interpretation

Prathna  
Nitin  
Nishal  
Kabir  
Kirti  
Sachin  
Jayesh



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#### 4. Review of teaching process /pedagogy:

S.No.	Item No.	Existing	Recommendation/ Action Taken
1.	Enrichment in teaching pedagogy for better understanding	Audio visual aids, white boards, projectors, and a friendly/peaceful learning environment	There is proper one to one interactions with students enrolled in the training and learning program. Experimental learning by doing treatment on patients should be adopted
2.	Evaluation Scheme	Existing evaluation scheme as per DCI is adopted	Proper evaluation for final year undergraduate students and all the post graduate students is taken( the protocol is attached below)

5. **Result analysis:** Summary of the result analysis of the student's performance in the internal examination was presented and it was suggested that the remedial classes should be conducted for the students whose performance was not found to be satisfactory.
6. **Feedback analysis:** Analysis was performed based on the summary of already collected feedback from the students and suitable action was taken.
7. **Any other issues with the permission of the Chair-None**

The meeting concluded with the vote of thanks to the chair. Date of the next meeting to be decided and conveyed later

Dr Vishal Mehrotra  
(Chairperson)

Encl: Recommended curricula by DCI attached for consideration and approval

CC:

1. Dean, Academic affairs
2. Registrar Office

*Prakash*  
*Nitin*  
*Vishal*  
*Kabir*  
*Kirti*  
*Sachin*  
*Jayesh*



## Office Order

The Principal,  
Rama Dental, Sleep Hospital &  
Research Centre, Kanpur

Dear Sir,

With reference to your submitted proposal Ref. No. RDCHRC/2019/24 dated 20/11/2019, Vice-Chancellor pleased to accord permission for conducting a series of short term courses on the following topics by the Department as follows subject to approval of the Academic Council.

Sr. No.	Short Term Course	Department
1.	Keratocone Beam CT and its Radiological Interpretation	Oral Medicine and Radiology
2.	Implants	Oral and Maxillofacial Surgery
3.	Habit Breaking Appliance	Orthodontics & Diagnosis of Orthopedic
4.	Laser Applications in Periodontics	Periodontology
5.	Anterior Aesthetics	Conservative Dentistry and Endodontics
6.	Direct Composite Veneering and Aesthetic Management of Ellis Class II Fracture of Anterior Teeth	Pediatric and Preventive Dentistry
7.	Research Methodology and Biostatistics	Public Health Dentistry
8.	Techniques of Tooth Preparation in Fixed Partial Denture	Prosthodontics and Crown & Bridge
9.	Basic Course in Cheiloscropy	Oral Pathology and Microbiology

  
 (Registrar)  
 RAJESH K. SINGH

Rama University  
Kanpur (U.P.)

- Copy to:-
1. Secretary to Hon'ble Vice-Chancellor
  2. Director Sir
  3. Dean Academic Affairs
  4. Principal, Faculty of Dental Sciences
  5. Controller of Examinations
  6. Deputy Registrar/Asst. Registrar
  7. Guard File

*Vinod*

**PROFESSOR & H.O.D.**  
**DEPT. OF ORAL MEDICINE & RADIOLOGY**  
**RDCHRC, LAKHANPUR**  
**KANPUR - 208024**

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

SHORT TERM COURSE ON -conducted from 28/8/2023 to 4/9/2023

Topic: Dental Cone Beam CT and its Radiological Interpretation

REGISTERED PARTICIPANTS FOR THE COURSE (Deposited -1000Rs each)

S.NO	NAME	Money deposited for registration to short term course
1	Dr Praveen Singh	1000/-
2	Dr Shaik Aslam	1000/-
3	Dr Anjana	1000/-
4	Dr Ashwini	1000/-
5	Dr Anshika	1000/-
6	Aaryan Rai Srivastava	1000/-
7	Vidushi Agarwal	1000/-
8	Shruti Jaiswal	1000/-
9	Jyoti Chaudhary	1000/-
10	Dhanishtha Shankar	1000/-
11	Total	10000/-

Dr Visal Mehrotra

Prof & HOD, OMR

Dr Rajeev Singh Tiwari

Principal

Dr. Anshika

Account Section

PROFESSOR & H.O.D  
DEPT. OF ORAL MEDICINE & RADIOLOGY  
RDCHRC, LAKHANPUR  
KANPUR - 208024

PRINCIPAL  
Rama Dental College Hospital  
AND RESEARCH CENTER

10000/- = 10000/-





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## Department of Oral Medicine and Radiology

Time Table for Short term course on Dental Cone Beam CT and its Radiological interpretation. From 28/08/2023 to 04/09/2023

Day	Date	Module	Total hours of teaching	Course content	Details of the course
Day 1	28/08/23	Module 1	5hrs	Concepts of Basic CBCT	<ul style="list-style-type: none"><li>• History of CT (1hr)</li><li>• Advent of CBCT (1hr)</li><li>• Principle and working of CT (1hr)</li><li>• Principle and working of CBCT (1hr)</li><li>• Comparison between CT and CBCT (1hr)</li></ul>
Day 2	29/08/23	Module 2	5hrs	Concepts of CBCT image interpretations	<ul style="list-style-type: none"><li>• T1 and T2 image interpretation in CT OF Head and Neck- (2hr)</li><li>• CBCT image interpretation of maxilla ,mandible, TMJ, Salivary glands- (1hr)</li><li>• CBCT image interpretation of the teeth bearing areas of maxilla and mandible- (1hr)</li><li>• Anatomical landmarks of head and neck region- (1hr)</li></ul>
Day 3	30/08/23	Module 3	5hrs	Hands on CBCT software and its implications	<ul style="list-style-type: none"><li>• Understanding of the CBCT software- (2hr)</li><li>• Practical handling of CBCT software( maxilla/mandible/TMJ/Salivary glands) - (2hr)</li><li>• Practical handling of CBCT software(dentition) - (1hr)</li></ul>
Day 4, 5	01/09/23 02/09/23	Module 4	10hrs	Workshop on CBCT image interpretations	<ul style="list-style-type: none"><li>• CBCT Interpretations of pathologies of bone(maxilla/mandible)- (2hr)</li></ul>

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					<ul style="list-style-type: none"><li>• CBCT Interpretations of pathologies of teeth(maxilla/mandible)-- (2hr)</li><li>• CBCT Interpretations of pathologies of TMJ/Salivary gland region/lymph nodes- (1hr)</li></ul>
Day 6	04/09/23	Module 5	5hrs	Practical exercises done by the registered delegates for the program followed by exam	<ul style="list-style-type: none"><li>• Practical demonstration of CBCT done on patients by all the registered students (Maxilla, Mandible, TMJ)- (2hours)</li><li>• Practical demonstration of CBCT done on patients by all the registered students (Teeth, Lymph nodes, Salivary Glands) (1hours)</li><li>• MCQ based exam- (2hours)</li></ul>

Visit  
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DCHRC, LAKHANPUR  
KANPUR - 208024

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

SHORT TERM COURSE ON -

Dental Cone Beam CT and its Radiological Interpretation

ATTENDANCE DETAILS FOR THE PARTICIPANTS

S.NO	NAME	28.8.2023	29.8.2023	30.8.2023	1.9.2023	2.9.2023	4.9.2023
1.	Dr Praveen Singh	<i>P Singh</i>	<i>P Singh</i>	<i>P Singh</i>	<i>P Singh</i>	<i>P Singh</i>	<i>P Singh</i>
2.	Dr Shazia Aslam	<i>Shazia Aslam</i>	<i>Shazia Aslam</i>	<i>Shazia Aslam</i>	<i>Shazia Aslam</i>	<i>Shazia Aslam</i>	<i>Shazia Aslam</i>
3.	Dr Anjana	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>
4.	Dr Ashwini	<i>Ashwini</i>	<i>Ashwini</i>	<i>Ashwini</i>	<i>Ashwini</i>	<i>Ashwini</i>	<i>Ashwini</i>
5.	Dr Anishka	<i>Anishka</i>	<i>Anishka</i>	<i>Anishka</i>	<i>Anishka</i>	<i>Anishka</i>	<i>Anishka</i>
6.	Aaryan Raj Srivastava	<i>Aaryan</i>	<i>Aaryan</i>	<i>Aaryan</i>	<i>Aaryan</i>	<i>Aaryan</i>	<i>Aaryan</i>
7.	Vidushi Agarwal	<i>Vidushi</i>	<i>Vidushi</i>	<i>Vidushi</i>	<i>Vidushi</i>	<i>Vidushi</i>	<i>Vidushi</i>
8.	Shruti Jaiswal	<i>Shruti</i>	<i>Shruti</i>	<i>Shruti</i>	<i>Shruti</i>	<i>Shruti</i>	<i>Shruti</i>
9.	Jyoti Chaudhary	<i>Jyoti</i>	<i>Jyoti</i>	<i>Jyoti</i>	<i>Jyoti</i>	<i>Jyoti</i>	<i>Jyoti</i>
10.	Dhanishtha Shankar	<i>Dhanishtha</i>	<i>Dhanishtha</i>	<i>Dhanishtha</i>	<i>Dhanishtha</i>	<i>Dhanishtha</i>	<i>Dhanishtha</i>

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**DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY**

**SHORT TERM COURSE:**

**Dental Cone Beam CT and its Radiological Interpretation**

**MCQ BASED ASSESSMENT**

- Each question carries 2 marks
- No negative marking

(Total Marks=100)

1. Read the following two statements and select the best answer.

Statement a: A small field of view (FOV) CBCT scan is adequate for all patients' comprehensive orthodontic treatment planning.

Statement b: A CBCT scan must be required on all patients prior to orthodontic treatment planning.

- Both statements are true
- Both statements are false
- Statement a is true; statement b is false
- Statement b is true; statement a is false

2. Which of the following includes the patient positions utilized in CBCT imaging?

- supine, prone, seated
- prone, seated, standing
- supine, seated, standing
- prone and seated only

3. Which of the following imaging techniques is most useful in detecting interproximal caries?

- CBCT
- panoramic
- bitewing

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SHORT TERM COURSE  
DENTAL CONE BEAM CT AND ITS RADIOLOGICAL INTERPRETATION  
2023-2024



occlusal

4. Read the following two statements and select the best answer. Statement a: CBCT is utilized to evaluate impacted teeth. Statement b: CBCT is the imaging modality of choice to distinguish between the various soft tissues of the maxillofacial area.

- Both statements are true
- Statement a is true, b is false
- Statement b is true, a is false
- Both statements are false

5. All of the following are components of CBCT multi-planar views except

- sagittal
- coronal
- axial
- proximal



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KANPUR - 206024

Normal Anatomy: Use the images above to answer questions 46 - 53. Please select the anatomic structure indicated by the arrow

6. Identify the anatomical structure

- ethmoid air cell
- frontal sinus
- nasal cavity
- nasolacrimal duct

7. Identify the anatomical structure

- nasal septum
- pterygoid plate
- hard palate
- vomer

8. Identify the anatomical structure

- maxillary sinus
- sphenoid sinus
- oral cavity
- frontal sinus

9. Identify the anatomical structure

- condyle
- malar process
- coronoid process
- ossified stylohyoid ligament

Vij

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DEPT. OF ORAL REGION & MAXILLOFACIAL  
SURGERY  
UNIVERSITY OF CALIFORNIA  
SACRAMENTO



10. Identify the anatomical structure

- cerebellum
- pons
- orbit
- pituitary gland

11. Identify the anatomical structure

- maxillary sinus
- sphenoid sinus
- ethmoid sinus
- frontal sinus

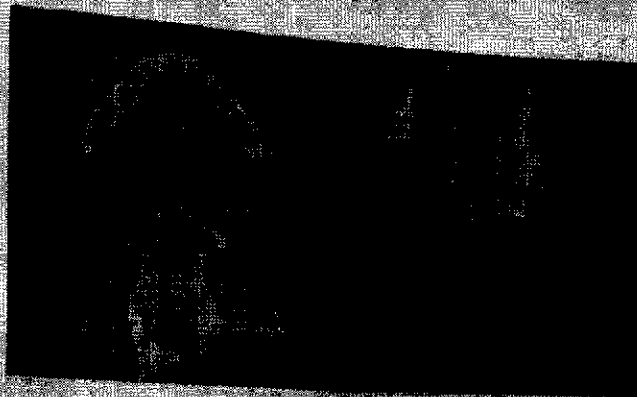
12. Identify the anatomical structure

- maxillary sinus
- sphenoid sinus
- ethmoid sinus
- frontal sinus

13. Identify the anatomical structure

- nasopharyngeal tonsil
- adenoid
- inferior turbinate
- nasolacrimal duct

Prof. Dr. D. D. D.  
DEPT. OF ORAL SURGERY & RADIOLOGY  
MORNING, LAKHIMPUR  
KANPUR - 208024



Case 1. Use the images above to answer questions #14 and 15. 54 y/o asymptomatic male, teeth #21 and 22 are vital

14. The lesion above is most consistent with a \_\_\_\_\_ process.

- malignant
- benign
- none of the above

15. Which is the category of disease most suggested by the radiographic and clinical findings?

- benign fibro-osseous lesion
- cyst
- benign odontogenic tumor
- malignancy

*View*

PROFESSOR S. H. O. B.  
DEPT. OF ORAL SURGERY  
UNIVERSITY OF CALIFORNIA  
SCHOOL OF DENTISTRY  
SACRAMENTO, CALIF. 95833





Case 2 - Use the image above to answer questions #16 and 17

16. The lesion indicated by the arrows is found in which bone?

- maxilla
- thyroid
- mandible
- none of the above

17. This lesion is most likely a \_\_\_\_\_ process.

- benign
- malignant
- peripheral
- external

Vij  
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LAKHANPUR - 200074



Case 3 - Use the image above to answer questions #18 - 20

18. This lesion can be described as a \_\_\_\_\_

- well defined, partially corticated radiolucency
- ill defined, non corticated radiolucency
- a mixed density lesion
- none of the above

19. Read the following two statements and select the best answer. Statement a: In accordance with the radiographic findings above, a malignancy would not be expected. Statement b: Inflammation and malignancy often have similar radiographic findings.

- Both statements are true
- Both statements are false
- Statement a is true, b is false
- Statement b is true, a is false

*Vivek*  
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I.D.C.H.R.C, LAKHANPUR  
KANPUR - 208024



20. One would anticipate that this disease process would present

- bilaterally
- unilaterally
- as a generalized condition throughout both jaws
- none of the above

21. A small field of view CBCT scan may be appropriate for all of the following applications except:

- endodontics
- periodontics
- orthodontic treatment planning
- single unit implant treatment planning

22. Which of the following is not a patient position used in CBCT image acquisition?

- supine
- prone
- seated
- standing

23. Read the following two statements and select the best answer: a. CBCT is the modality of choice for detecting interproximal caries. b. CBCT scans are frequently utilized for implant treatment planning.

- Both statements are true
- Statement a is true, b is false
- Statement b is true, a is false
- Both statements are false

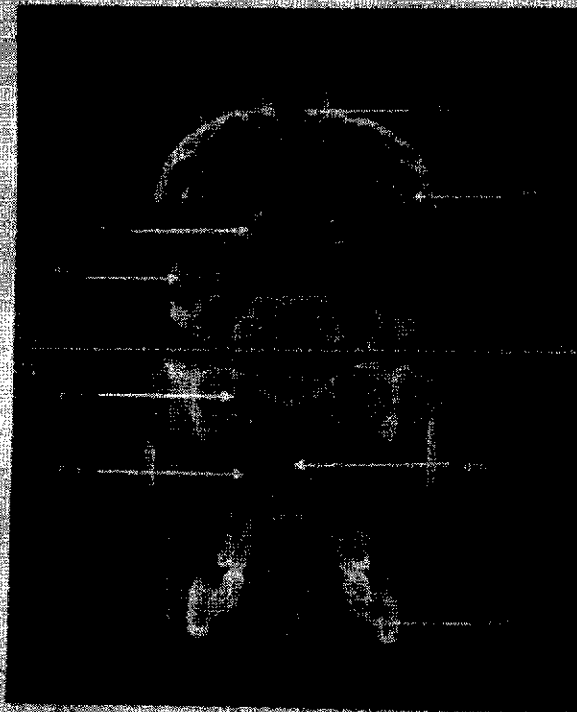
24. Read the following two statements and select the best answer: a. Medical CT produces more scatter than CBCT. b. CBCT scans are higher dose than conventional CT.

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LAKHANPUR  
2021

- Both statements are true
- Statement a is true, b is false
- Statement b is true, a is false
- Both statements are false

25 Read the following two statements and select the best answer: a. The ethmoid sinuses are located posterior to the sphenoid sinus. b. As evident in traditional panoramic imaging, a patient has two hyoid bones.

- Both statements are true
- Statement a is true, b is false
- Statement b is true, a is false
- Both statements are false



*Vin*  
 PROFESSOR & H.O.D.  
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 CANPUR - 208004



Normal Anatomy: Use the images above to answer questions 26 - 33. Please select the anatomic structure indicated by the arrow.

26. Identify the anatomical structure.

- nasal septum
- inferior turbinate
- nasolacrimal gland
- none of the above

27. Identify the anatomical structure.

- condyle
- malar process
- coronoid process
- ossified stylohyoid ligament

28. Identify the anatomical structure.

- mastoid process
- zygomatic
- cruciform ligament
- pterygoid plate

29. Identify the anatomical structure.

- mandibular condyle
- malar process
- coronoid process
- ossified stylohyoid ligament

30. Identify the anatomical structure.

- nasal septum
- inferior turbinate

V. A. J.  
PROFESSOR B. M. G. D.  
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- nasolacrimal gland
- ethmoid bone

31. Identify the anatomical structure

- sublingual gland
- submandibular fossa
- pterygoid plate
- lingual foramen

32. Identify the anatomical structure

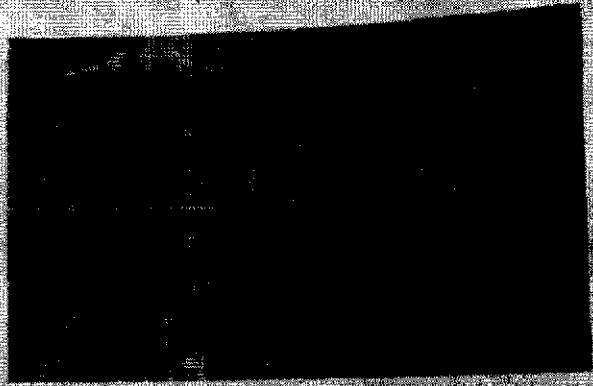
- maxillary sinus
- sphenoid sinus
- orbit
- foramen magnum

33. Identify the anatomical structure

- maxillary sinus
- sphenoid sinus
- ethmoid sinus
- frontal sinus

*Vin*  
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Case 1 - Use the image above to answer questions #34 and 35.

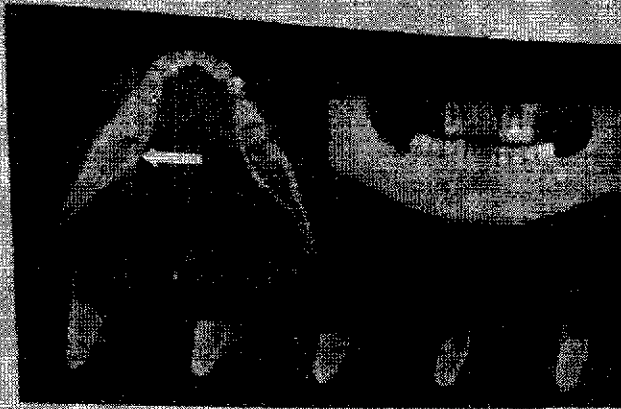
34. The lesion above is most consistent with a \_\_\_\_\_ tumor.

- malignant
- benign
- neither of the above

35. Which is the category of disease most suggested by the radiographic and clinical findings?

- benign fibro-osseous lesion
- trauma
- benign odontogenic tumor
- malignancy

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Case 2 - Use the image above to answer questions #36 and 37

36. The lesion indicated by the arrow is found in which bone?

- maxilla
- hyoid
- mandible
- none of the above

37. This most appropriate pathologic category is:

- benign tumor
- inflammation
- cyst
- systemic condition

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Case 3 - Use the images above to answer questions #38 - 40.

38. This lesion can be described as a \_\_\_\_\_
- well defined, partially corticated radiolucency
  - ill defined, non corticated radiolucency
  - a mixed density lesion

*Vind*  
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none of the above

39. Based on the radiographic signs, which pathological category can be ruled out?

- cyst
- benign tumor
- systemic condition
- all of the above

40. One would anticipate that this disease process would present

- bilaterally
- unilaterally
- as a generalized condition throughout both jaws
- none of the above

41. Concerning plain film X-Rays, all the following are correct except

- Are ionizing radiation.
- Need cooperation of patient.
- Markedly sensitive.
- Widely available.
- Inexpensive.

42. Main uses of fluoroscopy are the following except one.

- Barium meal studies.
- Hysterosalpingogram.
- Voiding cystourethrogram.
- Exploration of joints structures.
- Small bowel enteroclysis.

43. Concerning techniques relevant to musculoskeletal (MSK) radiology, choose the incorrect answer

- Radiography (routine and specialized views)
- CT
- MRI

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- US
- All the above

44. Concerning excitation and ionization, one of the following is false.

- In the excitation, a fraction of the energy of the radiation is transferred to the electrons of the absorbing material.
- In the excitation, electrons respond to radiation by jumping to another orbital level farther away from the nucleus.
- In the ionization, the amount of energy of radiation is smaller than the binding energy of the electron.
- Ionization occurs when the radiation has enough energy to eject the electron completely from the atom.
- Ionization results in ion pairs, which made up of the ejected electron (negative ion) and the proton of the atom that remains after loss of electron (positive ion).

45. Concerning tube filtration, all the following are correct except:

- Inherent filtration.
- Additional filtration.
- Total filtration must be  $> 2.5 \text{ mm Al}$  for a  $> 110 \text{ kV}$  generator.
- Total filtration (inherent + added), are always present.
- Oil metal barrier is a part of inherent filtration.

46. Regarding object contrast, one of the following is false:

- Density (air, bone)
- Thickness (microcalcifications)
- Atomic number
- kVp
- The higher the energy, the lesser the penetrating power of X-ray.

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 DEPT. OF RADIOLOGY  
 HOSPITAL UNIVERSITI  
 KAMPUNG BANGSA

47. Concerning dental radiography, all the following are correct except one

- a. Dentists use radiographs to find hidden dental structures, fullness or benign masses, bone loss, and cavities.
- b. The dosage of X-ray radiation received by a dental patient is typically small (around 150 rads) for a full mouth series, according to the American Dental Association website.
- c. Dental restorations (fillings, crowns) may appear lighter or darker depending on the density of the material.
- d. Incidental exposure is further reduced by the use of a lead shield, lead apron, sometimes with a lead thyroid collar.
- e. Dental apertures, foramina and other changes in the bone density, and the peri-odontal ligaments, appear darker because X-rays readily penetrate these less dense structures.

48. Concerning intra-oral radiological views, all the following are true except

- a. The objective of periapical view is to capture the tip of the root on the film.
- b. The bitewing view is taken to visualize the crowns of the posterior teeth and the height of the alveolar bone in relation to the cemento-enamel junction.
- c. Routine bitewing radiographs are commonly used to examine for interdental caries.
- d. The occlusal view is indicated when there is a desire to reveal the skeletal or pathologic anatomy of either the floor of the mouth or the palate.
- e. Routine bitewing radiograph is used to determine the cause of pain in a specific tooth, because it allows a dentist to visualize the tooth as well as the surrounding bone in their entirety.

49. Concerning cone beam computed tomography (CBCT), one of the following is false.

- a. It is a medical imaging technique consisting of X-ray computed tomography where the X-rays are divergent, forming a cone.
- b. CBCT has become increasingly important in treatment planning and diagnosis of implanted dentistry.

PROFESSOR A. H. [Signature]  
DEPT. OF ORAL [Signature] [Signature]



- During dental imaging, the CBCT scanner rotates around the patient's head, obtaining up to nearly 200 distinct images.
- A single 200 degree rotation over the region of interest acquires a volumetric data set.
- Total radiation doses from dental CBCT exams are generally lower than other CT exams.


50. Regarding the methods of imaging of oral cavity and maxilla-facial region, choose the correct answer.

- C.T. Scan permits the visualization of anterior facial bones, the roof and floor of maxillary and frontal sinuses.
- For detecting nasal bone fracture, we do AP view X-Ray of nasal bone.
- Walter's view is demanded for exploration of sphenoidal sinuses.
- Sialography of sub-mandibular gland is done by injection of barium sulfate inside the opening of its duct.
- MRI demonstrates chronic sinusitis less than C.T. Scan.

Name of the Student Enrolled -

Batch -

Total marks secured -

  
 PROFESSOR & H.O.B.  
 DEPT. OF ORAL MEDICINE & RADIOLOGY  
 BOCHHO, LAKHANPUR  
 NPUR - 708024

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

SHORT TERM COURSE ON --

Dental Cone Beam CT and its Radiological Interpretation

MARKS OBTAINED IN THE MCQ BASED EXAM (as conducted 4/9/2023)

(MAXIMUM MARKS=100)

S.NO	NAME	MARKS OBTAINED (out of 100)
1	Dr Praveen Singh	68
2	Dr Shazia Aslam	78
3	Dr Anjana	70
4	Dr Ashwini	60
5	Dr Anshika	62
6	Aaryan Raj Srivastava	68
7	Vidushi Agarwal	64
8	Shruti Jaiswal	66
9	Jyoti Chaudhary	65
10	Dhanishtha Shankar	64

  
Dr Vishal Mehrotra

Prof & HOD, OMR, RDC

  
Dr Baljeet Singh Hora

Principal, RDC

Principal  
Rama Dental College  
Hospital and Research  
Centre - Kanpur

PROFESSOR & H.O.D.  
DEPT. OF ORAL MEDICINE & RADIOLOGY  
RDC/HR, LAKHANPUR  
KANPUR - 208024



2023-24

To Respected

Date: 5/9/23

Dean Academics

Rama Dental College Hospital and Research Center,

Rama University,

Mandhana, Kanpur

Subject: Covering letter for completion of Short Term Course, conducted from 28/8/2023 to 4/9/2023 on the topic "Dental Cone Beam CT and its Radiological Interpretation" by Department Of Oral Medicine and Radiology, RDC and issuing of the certificates to the participants on completion of this course.

Respected Sir,

Sir this is to bring to your kind knowledge, that the Short term course on the title "Dental Cone Beam CT and its Radiological Interpretation" conducted by Department Of Oral Medicine and Radiology, RDC from 28/8/2023 to 4/9/2023 has completed. Sir we will be also submitting the detailed report along with this letter. Sir we also request you to please issue certificates to all the participants who have completed the course successfully.

Thanking you,

Yours Faithfully

*Vishal*

Dr. Vishal Mehrotra

Professor and HOD,

Department of Oral Medicine and Radiology,

RDC, Kanpur

PROFESSOR & H.O.D.

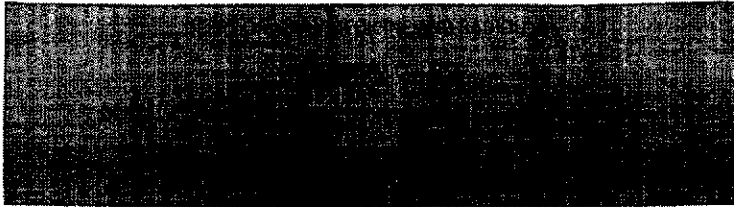
DEPT. OF ORAL MEDICINE & RADIOLOGY

RDCMPO, LAKHANPUR

KANPUR - 208024

*forwarded to the concerned authority for necessary action*

*Dr. Vishal Mehrotra*  
PROFESSOR & H.O.D.  
DEPT. OF ORAL MEDICINE & RADIOLOGY  
RDCMPO, LAKHANPUR  
KANPUR - 208024



NAME OF FACULTY.

*Dr. Kanti Garg*

	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
Level of effort the instructor put into the course			✓		
Your level of knowledge at the start of the course				✓	
Your level of knowledge at the end of the course				✓	
	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
Have you understood the objectives of the course.				✓	
The length of the course was sufficient to cover content.					✓
The course provided me with new information.					✓
	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
The instructor was sufficiently prepared.				✓	
The instructor was organized.					✓
The instructor communicate					✓

*Vu*  
 PROFESSOR & M.D.  
 DEPT. OF ORAL MEDICINE & RADIOLOGY  
 ROCHRD. LAKHIMPUR  
 MANPUR - 208324



d clearly.

The instructor was effective.

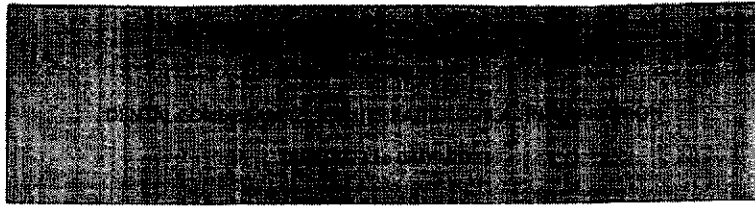
The instructor was sufficiently available.

Overall quality of the content used for the course  
Overall quality of the course

VERY POOR	POOR	FAIR	GOOD	VERY GOOD
				✓
				✓
				✓

SIGNATURE OF FACULTY  
*Keish*

*N*  
DIRECTOR & H.O.D.  
DEPT. OF ORAL MEDICINE & RADIOLOGY  
RDSCHD. LAMTUNIMUR  
KANPUR - 201004



NAME OF FACULTY: Dr. Abhinav Dubey

	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
Level of effort the instructor put into the course					✓
Your level of knowledge at the start of the course					✓
Your level of knowledge at the end of the course				✓	

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
Have you understood the objectives of the course.				✓	
The length of the course was sufficient to cover content.				✓	
The course provided me with new information.					✓

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
The instructor was sufficiently prepared.					✓
The instructor was organized.					✓
The instructor communicate					✓

PROFESSOR & H.O.D.  
 DEPT. OF DRUGS, MEDICINE & RADIOLOGY  
 ANANDIA LAKSHANPUR  
 ANANDIA - 201001



d clearly.

The instructor was effective.  
The instructor was sufficiently available.

Overall quality of the content used for the course  
Overall quality of the course

VERY POOR	POOR	FAIR	GOOD	VERY GOOD
				✓
				✓
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SIGNATURE OF FACULTY



*M*  
PROFESSOR & I. O. D.  
DEPT. OF ORAL MEDICINE & RADIOLOGY  
RDCHRC, LAKHANPUR  
KANPUR - 208024



NAME OF PARTICIPANTS:

*Dr. Praveen Singh*

	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
Level of effort the instructor put into the course				<input checked="" type="checkbox"/>	
Your level of knowledge at the start of the course			<input checked="" type="checkbox"/>		
Your level of knowledge at the end of the course				<input checked="" type="checkbox"/>	

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
Have you understood the objectives of the course.				<input checked="" type="checkbox"/>	
The length of the course was sufficient to cover content.					<input checked="" type="checkbox"/>
The course provided me with new information.					<input checked="" type="checkbox"/>

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The instructor was sufficiently prepared.				<input checked="" type="checkbox"/>	
The instructor was organized.				<input checked="" type="checkbox"/>	
The instructor communicate					<input checked="" type="checkbox"/>

PROFESSOR *P.S.*  
 DEPT. OF ORAL MEDICINE & PERIODONTOLOGY  
 RDCHRC, LAKHANPUR  
 KANPUR - 208004



d clearly.

The instructor  
was effective.  
The instructor  
was sufficiently  
available.

✓  
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Overall quality  
of the content  
used for the  
course  
Overall quality  
of the course

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✓

SIGNATURE OF PARTICIPANTS

*[Handwritten Signature]*

*[Handwritten Initials]*

PROFESSOR & H.O.D.  
DEPT. OF DENT. MEDICINE & RADIOLOGY  
KDCIHC LAKHANPUR  
KANPUR - 200024



NAME OF PARTICIPANTS: Dr. Shazia Aslam

	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
Level of effort the instructor put into the course				✓	
Your level of knowledge at the start of the course			✓		
Your level of knowledge at the end of the course				✓	

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
Have you understood the objectives of the course.				✓	
The length of the course was sufficient to cover content.					✓
The course provided me with new information.					✓

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
The instructor was sufficiently prepared.				✓	
The instructor was organized.					✓
The instructor communicate				✓	

✓  
 PROFESSOR & H.O.D.  
 DEPT. OF ORAL MEDICINE & RADIOLOGY  
 RDCHRC, LAKHANPUR  
 KANPUR - 208024



d clearly.

The instructor  
was effective.  
The instructor  
was sufficiently  
available.

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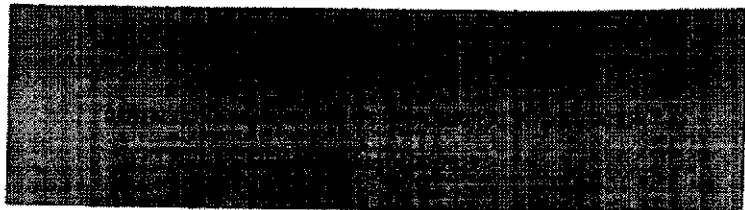
Overall quality  
of the content  
used for the  
course  
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of the course

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SIGNATURE OF PARTICIPANTS

*Shagun*

*Vu*  
M.D. & M.O.D.  
DEPT. OF GEN. MEDICINE & RADIOLOGY  
PCHRC, LAKHANPUR  
KANPUR - 206024



NAME OF PARTICIPANTS: *Dr. Anjana Singh*

	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
Level of effort the instructor put into the course				<input checked="" type="checkbox"/>	
Your level of knowledge at the start of the course			<input checked="" type="checkbox"/>		
Your level of knowledge at the end of the course				<input checked="" type="checkbox"/>	

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The instructor was sufficiently prepared.				<input checked="" type="checkbox"/>	
The instructor was organized.				<input checked="" type="checkbox"/>	
The instructor communicate				<input checked="" type="checkbox"/>	

*An*  
PROFESSOR & H.O.D.  
DEPT OF CLINICAL MEDICINE & RADIOLOGY  
MCHRC, LAKHANPUR  
LAKHANPUR - 209004



d clearly.

The instructor was effective.  
The instructor was sufficiently available.

Overall quality of the content used for the course  
Overall quality of the course

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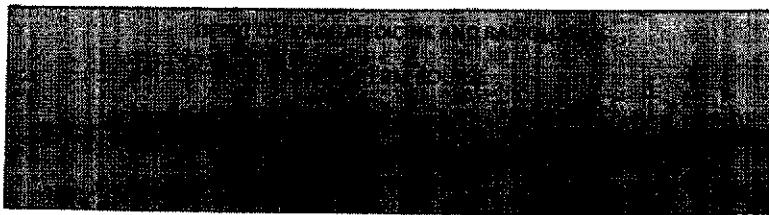
VERY GOOD

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SIGNATURE OF PARTICIPANTS

*Arjuna*

✓  
DEPT. OF INF. TECH. (E & P)  
ROCHING, LAKHIMPUR  
KANPUR - 208024



NAME OF PARTICIPANTS: Dr. Ashwini

	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
Level of effort the instructor put into the course				<input checked="" type="checkbox"/>	
Your level of knowledge at the start of the course			<input checked="" type="checkbox"/>		
Your level of knowledge at the end of the course			<input checked="" type="checkbox"/>		

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Have you understood the objectives of the course.				<input checked="" type="checkbox"/>	
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The instructor was sufficiently prepared.					<input checked="" type="checkbox"/>
The instructor was organized.					<input checked="" type="checkbox"/>
The instructor communicate					<input checked="" type="checkbox"/>

PROFESSOR & H.O.D.  
 DEPT. OF CLINICAL MEDICINE & RADIOLOGY  
 BOCHINDI, LAKHANPUR  
 JALPAIGURI - 208024



d clearly.

The instructor  
was effective.  
The instructor  
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available.

Overall quality  
of the content  
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of the course

VERY  
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GOOD

SIGNATURE OF PARTICIPANTS

*Ashwini*

✓  
FACULTY & STUDENT  
COUNCIL OF THE INSTITUTE  
OF DISTANCE EDUCATION  
MUMBAI  
20/02/2024

DEPT OF ORAL MEDICINE AND RADIOLOGY  
 SHORT TERM COURSE  
 PERIODONTIC AND PERI-IMPLANT DENTITION

NAME OF PARTICIPANTS: D. Anshika

	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
Level of effort the instructor put into the course				<input checked="" type="checkbox"/>	
Your level of knowledge at the start of the course			<input checked="" type="checkbox"/>		
Your level of knowledge at the end of the course			<input checked="" type="checkbox"/>		
	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
Have you understood the objectives of the course.				<input checked="" type="checkbox"/>	
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The course provided me with new information.				<input checked="" type="checkbox"/>	
	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
The instructor was sufficiently prepared.				<input checked="" type="checkbox"/>	
The instructor was organized.				<input checked="" type="checkbox"/>	
The instructor communicate				<input checked="" type="checkbox"/>	

*Anshika*  
 REC'D 2024 M.D.D.  
 DEPT OF ORAL MEDICINE & RADIOLOGY  
 RDCHRS, LAKHIMPUR  
 KANPUR - 208024



d clearly.

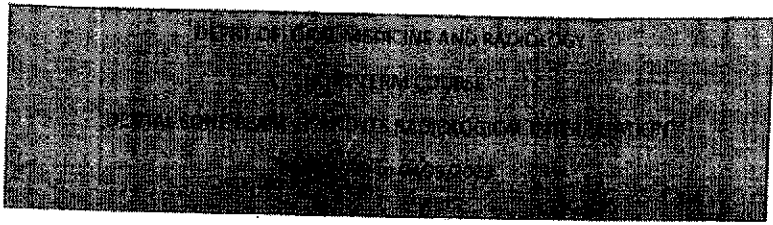
The instructor was effective.  
The instructor was sufficiently available.

Overall quality of the content used for the course  
Overall quality of the course

VERY POOR      POOR      FAIR      GOOD      VERY GOOD

SIGNATURE OF PARTICIPANTS

*[Handwritten Signature]*  
PROF. V. S. ...  
DEPT. OF ...  
ROOING, LAKHIMPUR  
KANPUR - 201324



NAME OF PARTICIPANTS: *Aaryan Raj Srivastava*

	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
Level of effort the instructor put into the course					✓
Your level of knowledge at the start of the course		✓			
Your level of knowledge at the end of the course		✓			
	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
Have you understood the objectives of the course.				✓	
The length of the course was sufficient to cover content.					✓
The course provided me with new information.					✓
	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
The instructor was sufficiently prepared.					✓
The instructor was organized.					✓
The instructor communicate					✓

*h*  
 PROFESSOR & H.O.D.  
 DEPT. OF COMM. & RADIOLOGY  
 ANAND PRAKASH UNIVERSITY  
 KANPUR - 208004

d clearly.

The instructor  
was effective.  
The instructor  
was sufficiently  
available.

Overall quality  
of the content  
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course  
Overall quality  
of the course

VERY POOR	POOR	FAIR	GOOD	VERY GOOD
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SIGNATURE OF PARTICIPANTS

*Signature*

PROFESSOR *V. N.*  
DEPT. OF RADIOLOGY & RADIOLOGY  
ROCHUR, L. N. S. H. R.  
KANPUR - 208 004





NAME OF PARTICIPANTS: *Dhanishtha Shankar*

	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
Level of effort the instructor put into the course				✓	
Your level of knowledge at the start of the course		✓			
Your level of knowledge at the end of the course		✓			

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
Have you understood the objectives of the course.				✓	
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The course provided me with new information.					✓

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
The instructor was sufficiently prepared.					✓
The instructor was organized.					✓
The instructor communicate					✓

*W*  
 PROFESSOR & H.O.D.  
 DEPT. OF ORAL MEDICINE & RADIOLOGY  
 RDCHRC, LAKHANPUR  
 KANPUR - 208024

d clearly.

The instructor was effective.  
The instructor was sufficiently available.

Overall quality of the content used for the course  
Overall quality of the course

VERY POOR

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VERY GOOD



SIGNATURE OF PARTICIPANTS

*Dhanishk*

*Dr*  
PROFESSOR & H.O.D.  
DEPT. OF ORAL MEDICINE & RADIOLOGY  
RDCHRC, LAKHANPUR  
KANPUR - 208024



NAME OF PARTICIPANTS: Vidushi Agarwal

	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
Level of effort the instructor put into the course					✓
Your level of knowledge at the start of the course		✓			
Your level of knowledge at the end of the course		✓			

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
Have you understood the objectives of the course.				✓	
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The course provided me with new information.					✓

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
The instructor was sufficiently prepared.					✓
The instructor was organized.					✓
The instructor communicate					✓

✓  
 P. K. SINGH  
 DEPT. OF ORAL MEDICINE & RADIOLOGY  
 RECNRG. LAKHANPUR  
 KANPUR - 208024



d clearly.

The instructor  
was effective.  
The instructor  
was sufficiently  
available.

Overall quality  
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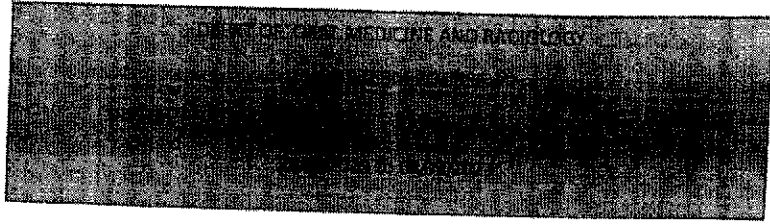
GOOD

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SIGNATURE OF PARTICIPANTS

*Vidushi*

*V*  
PROFESSOR & H.O.D.  
DEPT. OF ORAL MEDICINE & RADIOLOGY  
ROCHRE, LAKHANPUR  
KANPUR - 206024



NAME OF PARTICIPANTS: Jyoti Chaudhary

	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
Level of effort the instructor put into the course				<input checked="" type="checkbox"/>	
Your level of knowledge at the start of the course		<input checked="" type="checkbox"/>			
Your level of knowledge at the end of the course		<input checked="" type="checkbox"/>			

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Have you understood the objectives of the course.				<input checked="" type="checkbox"/>	
The length of the course was sufficient to cover content.					<input checked="" type="checkbox"/>
The course provided me with new information.					<input checked="" type="checkbox"/>

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
The instructor was sufficiently prepared.					<input checked="" type="checkbox"/>
The instructor was organized.					<input checked="" type="checkbox"/>
The instructor communicate					<input checked="" type="checkbox"/>

*Jyoti*  
 ROCHRC, LAKHANPUR  
 KANPUR - 208024

d clearly.

The instructor  
was effective.  
The instructor  
was sufficiently  
available.

Overall quality  
of the content  
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of the course

VERY POOR      POOR      FAIR      GOOD      VERY GOOD

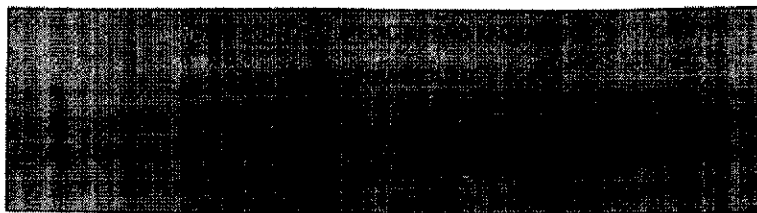
				✓
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				✓

SIGNATURE OF PARTICIPANTS

*Jyoti*

*U*  
PROFESSOR & H.O. C.  
DEPT. OF MEDICINE & RADIOLOGY  
RDCHRC, LAKHANPUR  
KANPUR - 208024






NAME OF PARTICIPANTS: Shubh Jainwal

	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
Level of effort the instructor put into the course				<input checked="" type="checkbox"/>	
Your level of knowledge at the start of the course		<input checked="" type="checkbox"/>			
Your level of knowledge at the end of the course		<input checked="" type="checkbox"/>			

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
Have you understood the objectives of the course.				<input checked="" type="checkbox"/>	
The length of the course was sufficient to cover content.	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>
The course provided me with new information.					<input checked="" type="checkbox"/>

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
The instructor was sufficiently prepared.					<input checked="" type="checkbox"/>
The instructor was organized.					<input checked="" type="checkbox"/>
The instructor communicate					<input checked="" type="checkbox"/>

Approved:   
OF THE DEPARTMENT OF  
GENERAL EDUCATION  
LAXMI NAGAR  
KANPUR - 208001

d clearly.

The instructor  
was effective.  
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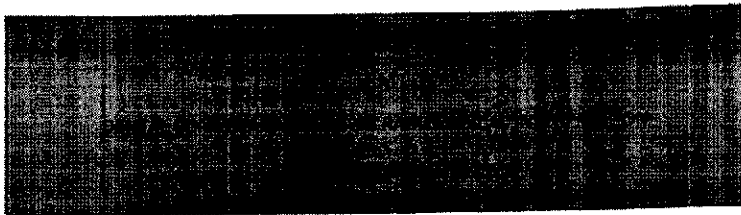
Overall quality  
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used for the  
course  
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of the course

VERY POOR	POOR	FAIR	GOOD	VERY GOOD
			✓	✓
				✓

SIGNATURE OF PARTICIPANTS

*Shrestha*

✓  
PROFESSOR & H.O.D.  
DEPT. OF ORAL MEDICINE & RADIOLOGY  
RCHRC, LAKHANPUR  
KANPUR - 208024



NAME OF FACULTY:

Dr. Vishal Mehrotra

	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
Level of effort the instructor put into the course					✓
Your level of knowledge at the start of the course			✓		
Your level of knowledge at the end of the course					✓

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
Have you understood the objectives of the course.				✓	
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	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
The instructor was sufficiently prepared.				✓	
The instructor was organized.				✓	
The instructor communicate				✓	

*Me*  
 PROFESSOR & H.O.D.  
 DEPT. OF ORAL MEDICINE & RADIOLOGS  
 RDCHRC, LAKHANPUR  
 KANPUR - 208024

d clearly.

The instructor was effective.  
The instructor was sufficiently available.

Overall quality of the content used for the course  
Overall quality of the course

VERY POOR

POOR

FAIR

GOOD

VERY GOOD



SIGNATURE OF FACULTY

*D. Singh*

PROFESSOR <sup>Dr.</sup> P. D.  
DEPT. OF ORAL MEDICINE & RADIOLOGY  
RACHRC, LAKHIMPUR  
KANPUR - 200 002A





NAME OF FACULTY: Dr. Rahul Srivastava

	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
Level of effort the instructor put into the course				<input checked="" type="checkbox"/>	
Your level of knowledge at the start of the course			<input checked="" type="checkbox"/>		
Your level of knowledge at the end of the course				<input checked="" type="checkbox"/>	

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
Have you understood the objectives of the course.				<input checked="" type="checkbox"/>	
The length of the course was sufficient to cover content.				<input checked="" type="checkbox"/>	
The course provided me with new information.				<input checked="" type="checkbox"/>	

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
The instructor was sufficiently prepared.				<input checked="" type="checkbox"/>	
The instructor was organized.				<input checked="" type="checkbox"/>	
The instructor communicate				<input checked="" type="checkbox"/>	

*the*  
 PROFESSOR & H.O.D.  
 DEPT. OF ORAL MEDICINE & RADIOLOGY  
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 KANPUR - 208024

d clearly.

The instructor was effective.  
The instructor was sufficiently available.

✓  
✓

VERY POOR    POOR    FAIR    GOOD    VERY GOOD

Overall quality of the content used for the course  
Overall quality of the course

✓  
✓

SIGNATURE OF FACULTY

*Raj*

✓

PROF. S.H.O.D.  
DEPT. OF PHYS. MEDICINE & RADIOLOGY  
KANPUR - 208024

## REPORT

Short term course on Dental Cone Beam CT and its Radiological Interpretation

Organized by Department of Oral Medicine and Radiology,

Rama Dental College Hospital and Research Centre Kanpur

### DETAILS ABOUT THE COURSE

Course Title: Dental Cone Beam CT and its Radiological Interpretation

Duration: 6 days

Registration ends on: 24<sup>th</sup> August 2023

Course Fee: INR 1000

Course commencement: 28<sup>th</sup> August 2023 to 4<sup>th</sup> September 2023

### DETAILED REPORT

The present course was conducted by department of oral medicine and radiology, RDC in collaboration with VOXEL CBCT Centre, Swaroop Nagar Kanpur. This extensive course consisted was divided into 5 modules which extended over a period of 6 days, starting from 28/8/2023 to 4/9/2023. A total number of 10 (UG/interms/PG students) delegates registered for this short term course.

The various modules with detailed syllabus are mentioned below:

- **Module 1:** Concepts of Basic CBCT (1day, Hours: 3hr conducted on 28/8/2023) modulated by **Dr Abhishek Dubey**, Director VOXEL CBCT, Kanpur
- **Module 2:** Concepts of CBCT image interpretations (1day, Hours: 5hr) conducted on 29/8/2023 modulated by **Dr Abhishek Dubey**, Director VOXEL CBCT, Kanpur
- **Module 3:** Hands on CBCT software and its implications (1day, Hours: 3hr conducted on 30/8/2023) modulated by **Dr Rahul Srivastava**, Professor QMDR, RDC

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RAMA DENTAL COLLEGE HOSPITAL AND RESEARCH CENTRE  
KANPUR-208024



- **Module 4:** Workshop on CBCT image interpretation (2 days, 5 hours (5hr) conducted on 19/02/23 and 29/2023) modulated by Dr Abhishek Dubé, Director, VOXEL CBCT, Kagnor and Dr Vishal Mehrotra Professor & HOD, OMR, RDC
- **Module 5:** Practical exercises done by the registered delegates for the program followed by MCQ based exam (1 day, Hours-5hr conducted on 4.9.2023) modulated by Dr Kriti Garg, Reader, OMR, RDC

### THE OUTCOMES/BENEFITS

(Achieved by the registered delegates on completion of the course):

Upon completion of this introductory course on Dental Cone Beam CT and Radiological interpretation, each student was able to:

- Recognize applications of CBCT in various field of dentistry.
- They were able to use CBCT imaging appropriately to help diagnose clinical problems of the dento-alveolar areas of the jaws, and correctly interpret the radiological signs and write structured radiological reports.
- They were able to review the medico-legal implications of CBCT imaging.
- They were able to review CBCT scans for pathology.
- They were able to identify most normal anatomic structures in multiplanar sections.
- Students were able to grasp clinically relevant technical factors in CBCT imaging and also how they influence imaging protocols and patient dose regulation.
- Students were able to evaluate the risks and benefits of CBCT examinations.
- Students were able to define the recommendations regarding CBCT selection criteria.
- Students were able to recognize common abnormalities and incidental findings in CBCT images.

Vishal

Dr Vishal Mehrotra

Professor & HOD, OMR, RDC

PROFESSOR & HOD,  
DENTAL CONE BEAM CT & RADIOLOGY



## Dental Cone Beam CT and its Radiological Interpretation - Short Term Course

Tentative Date to start the program - 2023

The Department of Oral Medicine and Radiology, Faculty of Dental Sciences is now accepting applications for the upcoming Short Term Certificate Course in Dental Cone Beam CT and its Radiological Interpretation. The details of the course are as follows:

Department of Oral Medicine and Radiology

Serial no.	Contents	Description
1	Title of the course	Certificate course Dental Radiology
2	About the course	This intensive Six-day course (Lectures and workshop) trains dental interns, postgraduates and dental practitioners in the fundamentals of CBCT and its interpretation. On successful completion of the course will render the dentist qualified and practically trained to understand and interpret CBCT images. This is six days blended program that offers a comprehensive course on theory and workshop on the practical understanding of CBCT software and diagnostic aspects of CBCT. As CBCT software and practices continue to evolve in this quickly changing area of dentistry, the course will update all what's new and significant to dental offices. This cutting-edge imaging technology will forever change the dental profession. Don't be left behind.
3	Who can apply?	<ul style="list-style-type: none"> <li>• Dental graduates</li> <li>• Interns</li> <li>• Post graduate students</li> <li>• Private practitioners</li> </ul>
4	Fee Structure	Course Fee: INR 1000/-
5	Contact Details	<p>Name - Ms. Sandhya Dubey</p> <p>Email id - <a href="mailto:admissions@rcdcrmaharajgurunagar.edu.in">admissions@rcdcrmaharajgurunagar.edu.in</a></p> <p>Contact Number - 9819774439 / 0512-2580513</p>
6	Instructor Details	<p>Dr. Abhishek Dubey</p> <p>MDS, OMRD</p> <p>Faculty - RCDCR</p> <p>Mobile Number - +919036001970</p> <p>Email id - <a href="mailto:karn07@vsnl.com">karn07@vsnl.com</a></p>

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KARNUL - 508003

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Professor and HOD, OMR

Mobile number: +919956575812

Email id: [vishalmanchanda@gmail.com](mailto:vishalmanchanda@gmail.com)

Dr Rahul Sharma

Professor, OMR

Mobile number: +919450326179

Email id: [dr.rahul\\_omr@yahoo.com](mailto:dr.rahul_omr@yahoo.com)

Dr Kriti Garg

Reader, OMR

Mobile number: +919936434177

Email id: [drkritigarg@gmail.com](mailto:drkritigarg@gmail.com)

**Mode of Teaching** The offline class is on the Blackboard platform and has 5 modules. This will consist of lectures reviewing the principles of CBCT technology and methods to achieve maximal diagnostic imaging. The timely discussions will cover radiographic anatomy, artifacts and signs of pathology, clinically relevant CBCT technical factors, protocols, radiation dose as well as an expansive number of case studies. This will be followed by hands-on session will focus on the use of CBCT software and guide you through proper CBCT interpretation, using multiple clinical cases. Full instructions and your Blackboard credentials will be provided before the start of the offline classes. There will be a MCQ based final examination at the conclusion of the course. The course is well planned and consists of illustrated presentations, case studies, hands-on exercises and discussion.

**Course Curriculum** Total duration of course in no. of days - 6days


Description of all the modules of course- tentative modules

Module 1 (1day, Hours-5hr)

Module 2 (1day, Hours-5hr)

Module 3: Workshop on understanding the CBCT software (1 day, Hours-5hr)

Module 4: Workshop on CBCT image interpretations ( 2 days, Hours-10hr)

  
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OMR  
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6	Course Content	<p>Module 5: Practical exercises /exam (1day, Hours 5hr)</p> <p>Module 1: Concepts of Basic CBCT. (1day, Hours 5hr)</p> <p>Module 2: Concepts of CBCT image interpretations (1day, Hours 5hr)</p> <p>Module 3: Hands on CBCT software and its implications (1day, Hours 5hr)</p> <p>Module 4: Workshop on CBCT image interpretations (1day, Hours 10hr)</p> <p>Module 5: Practical exercises done by the registered delegates for the program followed by exam. (1day, Hours 5hr)</p>
10	Course Outcome	<p>Upon completion of this introductory course on Dental Cone Beam CT and radiological interpretation, each student will be able to:</p> <ul style="list-style-type: none"> <li>• Recognize applications of CBCT in various field of dentistry</li> <li>• To train dentists to be able to use CBCT imaging appropriately to help diagnose clinical problems of the dento alveolar areas of the jaws, correctly interpret the radiological signs and write structured radiological reports</li> <li>• Review the medico-legal implications of CBCT imaging</li> <li>• Review a CBCT scan for pathology</li> <li>• Identify most normal anatomic structures in multiplanar sections</li> <li>• Grasp clinically relevant technical factors in CBCT imaging and how they influence imaging protocols and patient dose</li> <li>• Evaluate the risks and benefits of CBCT examinations</li> <li>• Discuss recommendations regarding CBCT selection criteria</li> <li>• Recognize common abnormalities and incidental findings in CBCT images</li> </ul>
11	Certification provided at the end of the course	Certificate will be awarded at the end of the course after satisfactory completion of all modules of the course

*Vishal*

Dr. Vishal Mehrotra

PROFESSOR & H.O.D

Department of Oral Medicine and Radiology, YDC

PROFESSOR & H.O.D

DEPT. OF ORAL MEDICINE & RADIOLOGY

ROCHINDI, LAKHANPUR

CANPUR-226001

Ser No. 1743



**RAMA**  
**UNIVERSITY**

[www.ramauniversity.ac.in](http://www.ramauniversity.ac.in)

**CERTIFICATE OF SHORT TERM COURSE**

This is to certify that

Mr. / Ms. Dhanishtha Shankar

has successfully completed more than 30 hours short term course on


" Dental Cone Beam CT and its Radiological Interpretation "

conducted from 28.08.2023 to 04.09.2023 in the department

of Oral Medicine and Radiology Faculty of Dental Sciences

  
Dean/Principal

  
Registrar/Controller of Examinations

  
PROFESSOR & H.O.D.  
DEPT. OF ORAL MEDICINE & RADIOLOG  
RDCHRC, LAKHANPUR  
KANPUR - 208024



Ser No. 1734

1734



CERTIFICATE OF SHORT TERM COURSE

This is to certify that

Mr. / Ms. Dr. Praveen Singh

has successfully completed more than 30 hours short term course on

" Dental Cone Beam CT and its Radiological Interpretation "

conducted from 28.08.2023 to 04.09.2023 in the department

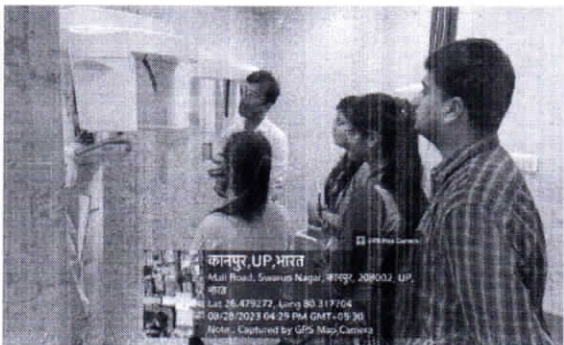
of Oral Medicine and Radiology Faculty of Dental Sciences

Dean/Principal

Registrar/Controller of Examinations

PROFESSOR & H.O.D DEPT. OF ORAL MEDICINE & RADIOLOGY RDCHRC, LAKHANPUR. KANPUR - 208024

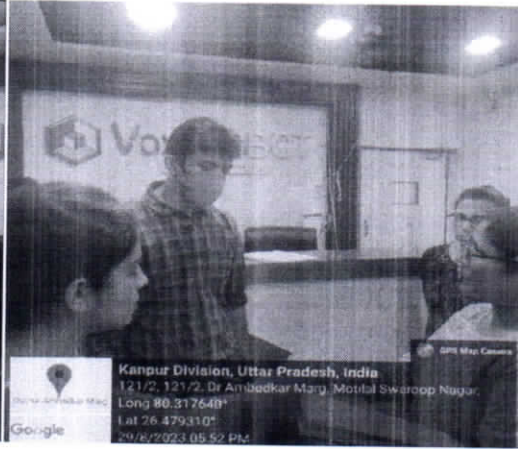
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KANPUR - 208024

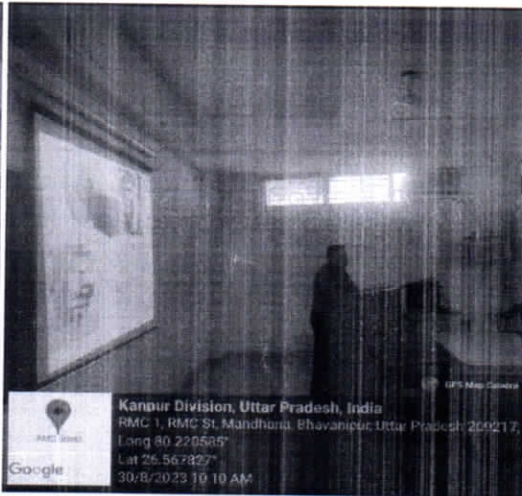
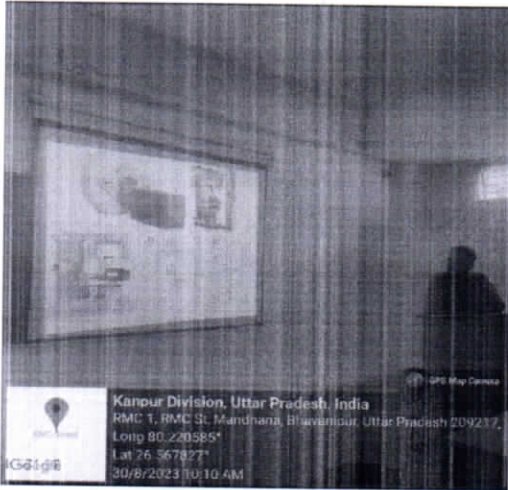


Day 2: 29/8/2023



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Day 3: 30/8/2023



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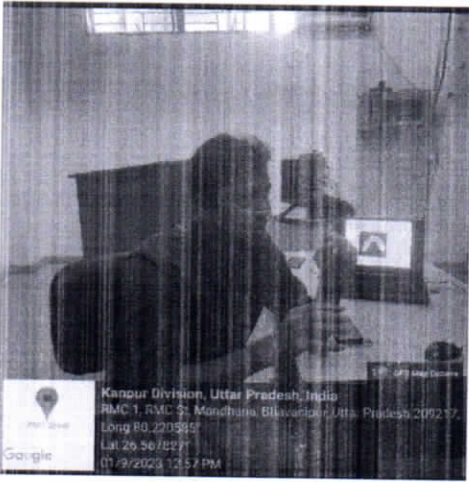
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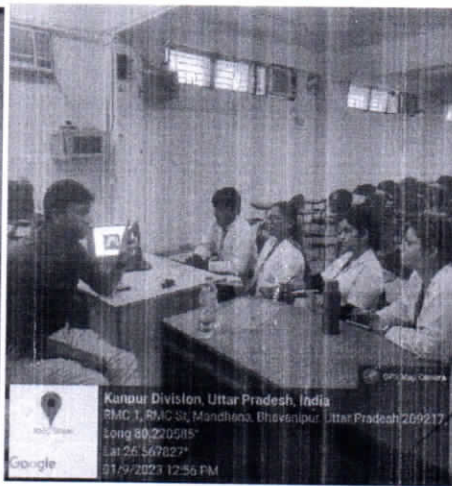
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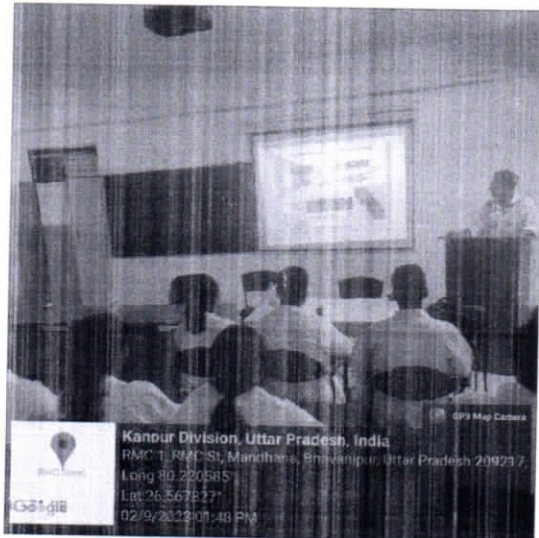
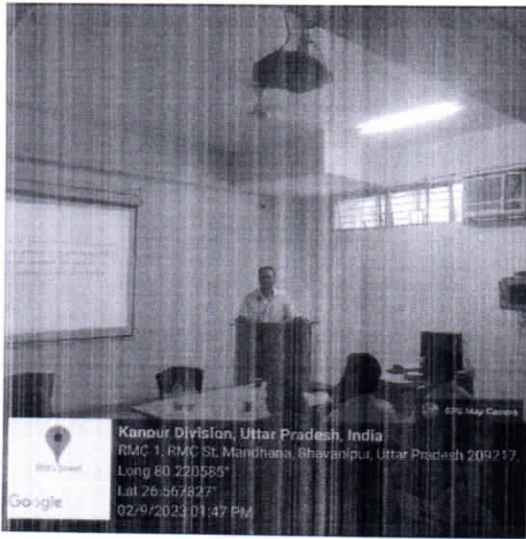
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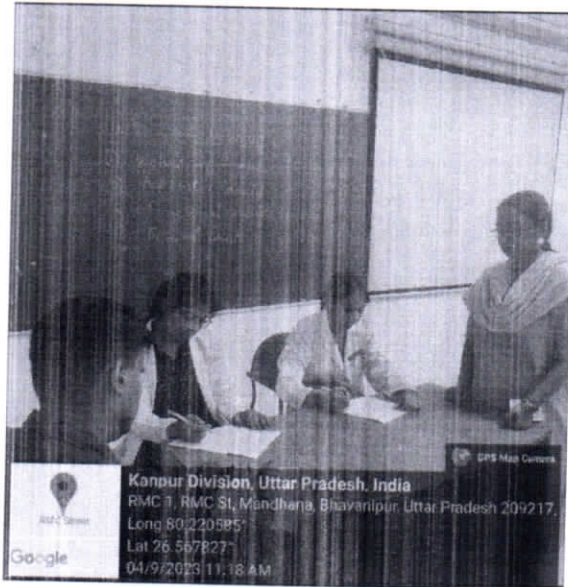
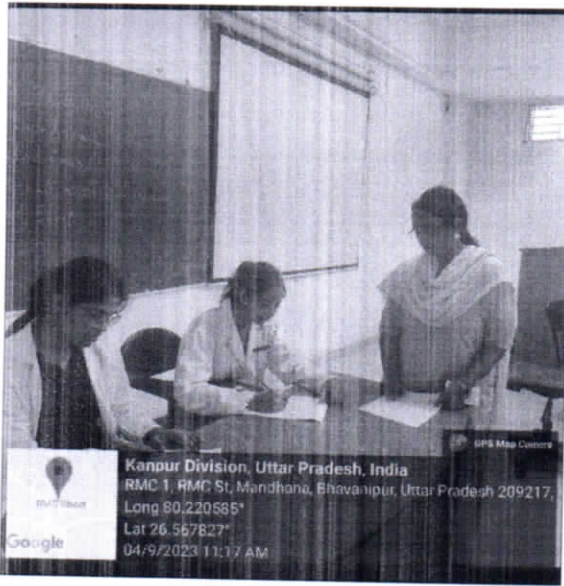
*Vishu*  
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Day 5: 2/9/2023



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Day 6: 4/9/2023



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