



MAEER PUNE'S

MAHARASHTRA INSTITUTE OF DENTAL SCIENCES & RESEARCH (DENTAL COLLEGE)



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Continuing Dental Education Program 2023

“The Gray and White side of CBCT”

The discovery of x rays in 1895 by Sir Wilhelm Conrad Roentgen was an incredible era and since then diagnostic imaging has been refined to various advanced imaging technologies.

Arai et al in Japan and Mozzo et al in Italy working independently introduced CBCT for oral and maxillofacial applications and offered 3D exploration and more accurate imaging. The introduction of CBCT has changed the way dentistry is practised. CBCT was embraced in dental settings very rapidly due to its compact size, low cost, decreased radiation dosage when compared to CT scanning.

Introduction: Department of Oral Medicine and Radiology conducted a CDE Program titled “The gray and white side of CBCT” BY Dr Kamala K.A. on 17th November 2023 at Maharashtra Institute of Dental Sciences and Research (Dental College), Latur.

Circular: Annexure I

Report: Total of 94 participants registered for CDE program held at Maharashtra Institute of Dental Sciences and Research (Dental College), Latur organised by Department of Oral Medicine and Radiology.

MSDC allotted 2 credit points and 1 credit point for participants.


Dr Kamala K.A., Associate Professor and in-charge Head of Department at School of Dental Science, Krishna Vishwa Vidhyapeeth, Karad.

The program schedule was as under:

- Introduction of speaker by anchor.
- Introductory speech by Head of Department Dr Vijayalaxmi.
- Introduction of Speaker by anchor.
- Lecture by speaker.
- Vote of thanks.

The CDE program included basics of Oral Radiology to clinical applications of CBCT. The lecture was attended by participants via zoom platform, having participants attending online and via screen display at lecture hall for students.


Invitation:



MAEER'S
Maharashtra Institute of Dental Sciences & Research
(Dental College), Latur
Department of Oral Medicine & Radiology


Invites you for the CDE program on
***“The Gray & White
Side of CBCT”***

*Date : 17-11-2023
Time : 02:00 to 03:00PM
Virtual Platform : Zoom*





FREE PENTAGON INVITATION - DREVIO.CO

Brochure:




MAEER PUNE'S
MIDSR DENTAL COLLEGE, LATUR
Department of Oral Medicine and Radiology
Continuing Dental Education






Dr. Vishwanath D. Karad
Founder & Chief Patron



Dr. Rahul V. Karad
Managing Trustee &
Executive President



Dr. Hanumant T. Karad
Executive Director,
MIDSR Dental College,
Latur


INVITES YOU FOR ONLINE CDE PROGRAM ON
“The Gray & White Side of CBCT”

Date & TIME : 17-11-2023, 02:00 to 03:00PM


Speaker : Dr. Kamala K.A

Structure of the Program : Inauguration & Introduction of the Speaker
Followed by lecture


Virtual Platform : ZOOM




**ICDE
Point**



Principal
Dr. Suresh Kangane



Organizing Chairman
Dr. Vijayalaxmi



Organizing Secretary
Dr. Priyanka Lasunc

Organizing Team
Dr. Rohini Divekar
Dr. Archana Apte

Certificate: Annexure IV.

 **MAHARASHTRA INSTITUTE OF DENTAL SCIENCES & RESEARCH
(DENTAL COLLEGE), LATUR**
DEPARTMENT OF ORAL MEDICINE & RADIOLOGY 

Certificate of Participation

This is to Certify that _____ as Participation in CDE held on 17th November 2023 on Topic "The Gray and White side of CBCT" organized by the Dept. of Oral Medicine & Radiology of Maharashtra Institute of Dental Sciences, Latur

MSDC/CDE/10009/2023-2024 dated 16/11/2023

1 CDE Point

 **Dr. Suresh Kangane**
Principal

 **Dr. Balkunde Arun**
(MSDC Representative)

 **Dr. Kamala K.A.**
(Guest Speaker)

 **Dr. Vijayalaxmi**
Organising Chairman

 **Dr. Priyanka Lasune**
Organising Secretary

 **MAHARASHTRA INSTITUTE OF DENTAL SCIENCES & RESEARCH
(DENTAL COLLEGE), LATUR**
DEPARTMENT OF ORAL MEDICINE & RADIOLOGY 

Certificate of Appreciation

Awarded to

Dr. Kamala K. A.

For valuable contribution as a SPEAKER on the topic "The Gray and White side of CBCT" held on 17th November 2023 at Maharashtra Institute of Dental Sciences & Research (Dental College), Latur

MSDC/CDE/10009/2023-2024 dated 16/11/2023

2 CDE Point

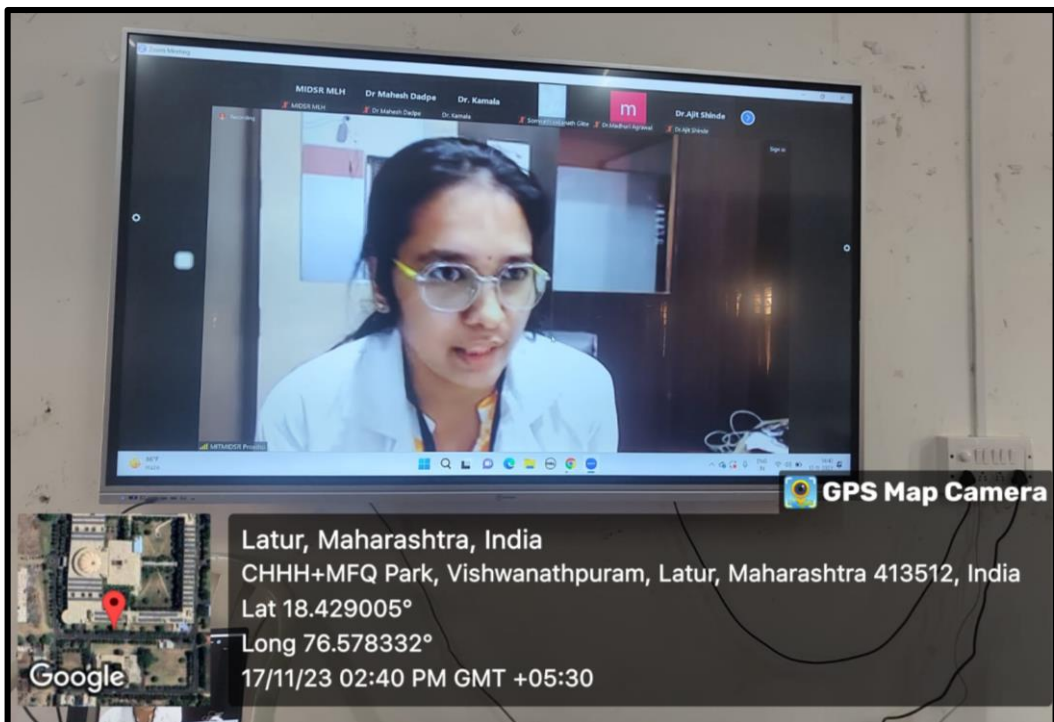
 **Dr. Suresh Kangane**
Principal

 **Dr. Balkunde Arun**
(MSDC Representative)

 **Dr. Vijayalaxmi**
Organising Chairman

 **Dr. Priyanka Lasune**
Organising Secretary

Photographs:



Recording SHOW TASKBAR DISPLAY SETTINGS END SLIDE SHOW You are viewing Dr. Kamala's screen View Options Sign in View

0:22:45 15:12

17 cm x 13.5 cm 17 cm x 11 cm 17 cm x 6 cm TMJ x2 10 cm x 10 cm 10 cm x 5 cm 8 cm x 8 cm TMJ x1 8 cm x 8 cm

- Ideal for few teeth
- Ideal for entire dentition
- Ideal for entire dentition and maxilla, mandible with adjacent structures
- Ideal for TMJ
- Extended view ideal for entire craniofacial skeleton

CLINICAL CONSIDERATIONS

PATIENT SELECTION CRITERIA

- Higher radiation dose compared to 2D
- When periapical or panoramic cannot provide necessary information
- Must apply ALARA
- Licensed practitioners/ not commercial
- Radiation safety considerations, quality assurance
- Used as *adjunctive* diagnostic tool
- Not as **SCREENING TOOL**

MIDSR MLH

MITMIDSR Prosthodontics

No Notes.

Dr. Abhishek B...

Dr. Abhishek Badde

Dr. Mahesh Dadpe

Dr. Mahesh Dadpe

Dr. Kamala

Slide 31 of 86

Unmute Start Video Participants 19 Chat Share Screen Record Show Captions Reactions Apps Whiteboards Notes Leave

Recording SHOW TASKBAR DISPLAY SETTINGS END SLIDE SHOW You are viewing Dr. Kamala's screen View Options Sign in View

0:27:54 15:18

DISADVANTAGES/ LIMITATIONS

1. High radiation dose compared to 2D imaging
2. **Poor soft tissue contrast** than medical CT/MRI
3. **Limited bone density measurements : radio density measured in HU is inaccurate in CBCT**
4. Difficult to interpret gray values on CBCT
5. **Scatter (Image noise) :** scatter during image acquisition is higher than medical CT

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CONTRA-INDICATIONS

- CANNOT visualize non-displaced pathology (articular disc of the joint)
- False positive results of fenestration
- Radio-sensitivity to Gorlin- Goltz syndrome
- Pregnancy
- CBCT is *Not a Screening Tool* diagnostic reason for scan

MIDSR MLH

MITMIDSR Prosthodontics

No Notes.

Dr. Abhishek B...

Dr. Abhishek Badde

Dr. Mahesh Dadpe

Dr. Mahesh Dadpe

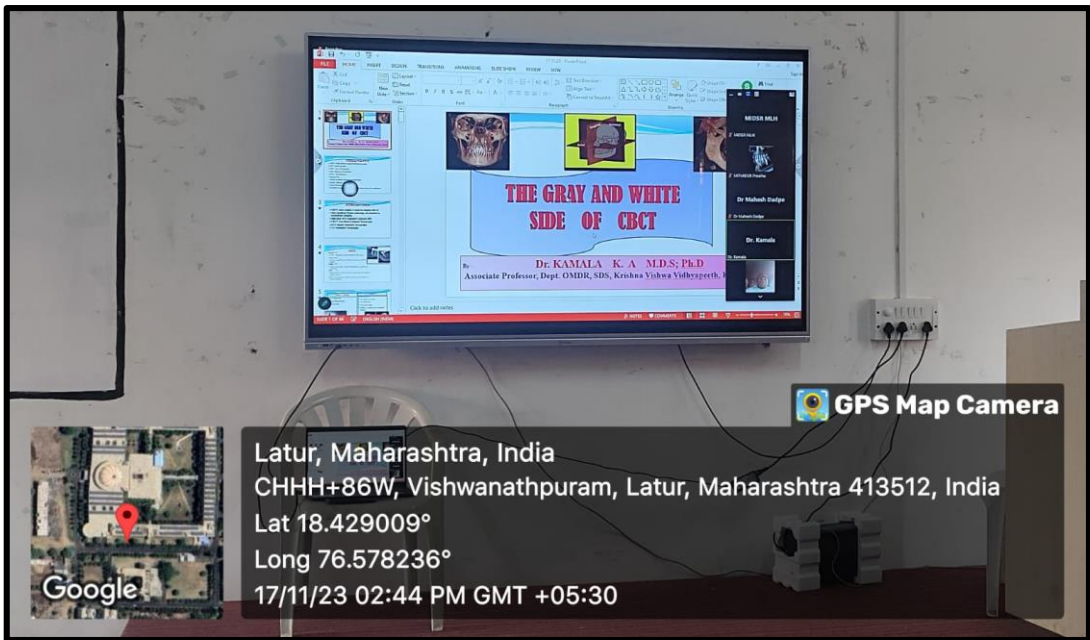
Dr. Kamala

Slide 34 of 86

Unmute Stop Video (Alt+W) Participants 22 Chat Share Screen Record Show Captions Reactions Apps Whiteboards Notes Leave



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Attendance:

Annexure V.



MAEER PUNE'S

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Date: 04/11/2023

CIRCULAR

This is inform that Department of Oral Medicine & Radiology is conducting a CDE program on "The Gray and White Side of CBCT" on 17th November 2023 from 2 to 3 pm via Zoom virtual platform.

All teaching faculty, Post Graduate students, Interns, III BDS & IV BDS students are requested to register for the programme through Google form.

Programme Schedule:

- Introduction of Speaker
- Lecture by Speaker
- Vote of Thanks



Principal,
MIDS R Dental College,
Latur.

DATE : 17/11/2023

MIDSR DENTAL COLLEGE, LATUR

DEPARTMENT OF ORAL MEDICINE & RADIOLOGY

CDE PROGRAM ON THE GRAY AND WHITE SIDE OF CBCTATTANDANCE LIST

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