



PEOPLE'S DENTAL ACADEMY

DEPARTMENT OF ORAL MEDICINE & RADIOLOGY

CERTIFICATE COURSE IN CBCT IMAGING AND INTERPRETATION



PEOPLE'S CBCT CENTRE

- OPG
- CEPHALOGRAM- SKULL & LATERAL
- IMPLANT SITE ASSESMENT
- FULL MOUTH EXAMINATION
- TMJ EXAMINATION
- ASSESSMENT FOR CYSTS & TUMORS OF JAW
- ASSESSMENT FOR TRAUMA OF THE JAWS
- ENDO-SCANS
- ORTHODONTIC EXAMINATION & PLANNING

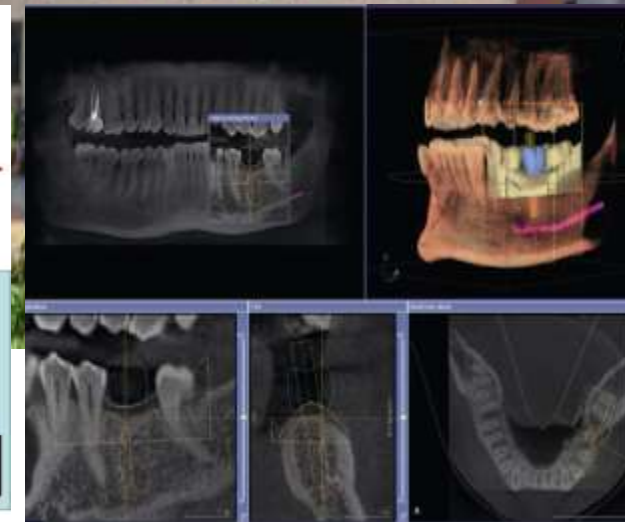
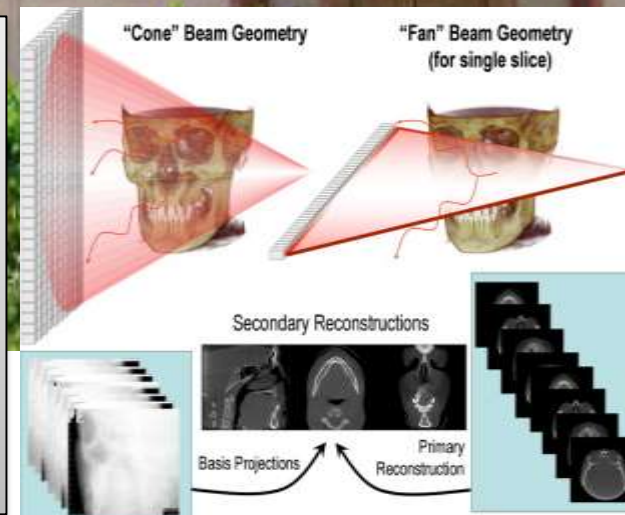
Duration:

6 Months,(Online), Three modules including Examination.

Seat Intake:

Candidate intake seats – 20- only based on first come first basis.

Only early bird payments will be considered for the May 2024 Batch .





VALUES

Introduction of cone beam computed tomography (CBCT) for dentomaxillofacial region has provided a novel platform for diagnosis and treatment planning. It provides real time multidimensional images that have expanded the role of imaging from diagnosis to image guidance of operative and surgical procedures as well as post operative assessment.

CBCT is widely used in dental and maxillofacial imaging. It is important for us as well as referring practitioners to understand the basic concepts of this imaging modality. This course covers the technical aspects of CBCT imaging, principles of cone beam image acquisition, image reconstruction, basic visualization methods and reporting.



OBJECTIVES

People's University aims to create better prospects for Dental professionals pertaining to clinical practice, job and career opportunities in dental Imaging. The prime objective of this course is to train candidates so as to ensure higher competence in both general and special areas of interest and, to prepare him/her for a career in this specialty. This course will empower them to aid in diagnosis and treatment planning.



ABOUT US

People's Dental Academy, Estd. 2005
(Recognized by DCI) for Undergraduate &
Post graduate Courses.

State of art infrastructure & campus with
accreditations from NAAC, DSIR, ISO, etc.





CONTACT US

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Administrative Office

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CHIEF PATRONS:

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Peoples University Bhopal

Dr Megha Vijaywargia
Pro Chancellor
Peoples University Bhopal

PATRON:

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Hon'ble Vice Chancellor
Peoples University Bhopal

GUIDE AND MENTOR:

Dr. Sanjeev Tyagi
BDS, MDS, Dean, Prof & Head
Dept. of Conservative & Endodontics
People's Dental Academy, Bhopal

COURSE DIRECTOR:

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Professor and HOD
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COURSE CONVENORS

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PEOPLES DENTAL ACADEMY	
Account Number	409605000327
IFSC Code	ICIC0004096
Bank Name	ICICI BANK
Branch	PEOPLES MALL BRANCH

COURSE DETAILS

3 MODULES (Total 10 days course)

Total 3 modules will be there spanning 10 days (in parts).

MODULE 1(COURSE DETAILS)

• Panoramic imaging interpretation

1. Principle of panoramic imaging
2. Anatomical landmarks on panoramic radiographs
3. Interpretation of panoramic radiographs in various conditions
4. Ghost images

• CBCT MODULE

- Introductions
- Agenda
- CBCT basics: Some x-ray basics, Back projection algorithm, reconstruction, basis images
- Software tips and tricks demonstration
- 3D anatomy: correlation with skull / 2D panoramic anatomy, hands on exercise
- Clinical Applications: implants, periodontal disease, endodontic problems, orthodontics, pathology, oral surgery, example cases
- Functioning of the CBCT machine along with the patient positioning for various radiographs.

• Implant planning software overview Hands-on implant planning

1. Single tooth implant planning
2. Single arch implant planning
3. Full mouth implant planning.

• CBCT CAD CAM INTEGRATION

- Protocol and steps in surgical guide fabrication.
- Demonstration of cases.

MODULE 2 (SURGICAL GUIDE MODULE)

• SPECIALITY CASES REPORTING PROTOCOL

- Template creation and cases reporting for endodontics purpose
- Template creation and cases reporting for impaction, pathologies, TMJs
- Template creating and cases reporting for periodontics

- CBCT CAD CAM integration
- Demonstration of various intra oral scanners and its role in guide design
- Guided surgery implant planning.
- Workflow and demonstration of cases
- Actual cases to be done.

MODULE 3 (SLEEP APNEA MODULE)

- Patient positioning for airway analysis
- Diagnosis of sleep apnea using CBCT software
- Report and template creation for airway analysis.
- Examination on various cases at the end of the module

EXAMINATION PATTERN

ONE DAY EXAM

WRITTEN(1 MARKS EACH) (20 MARKS)

20 MCQs on the topics discussed

INTERPRETATION EXAMINATION (20* 4) (80 MARKS)

Four CBCT /OPG cases of different conditions for radiographic interpretations

TOTAL : 100 MARKS

PASSING CRITERIA : 50% MINIMUM MARKS