

# 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

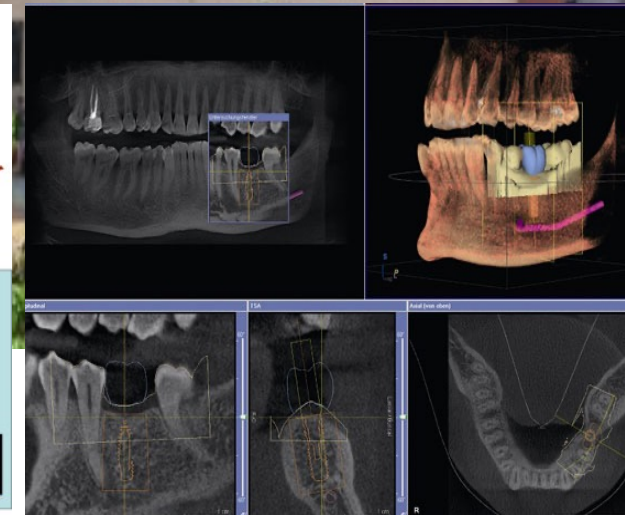
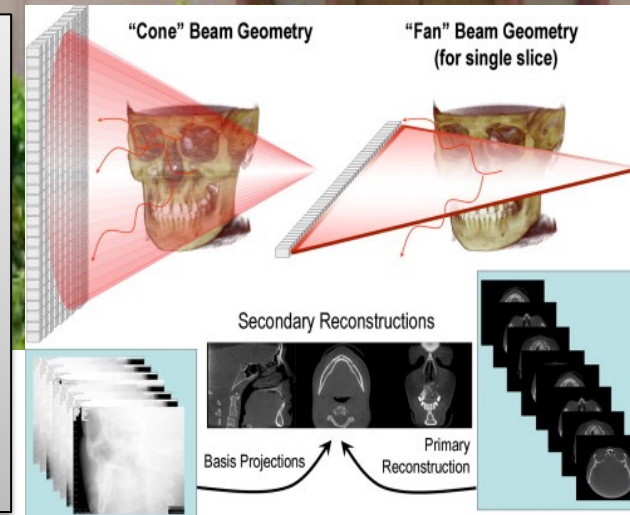
#### Duration:

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 March 2022 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.

## RESOURCE FACULTY

Dr Prashant Jaju is a gold medalist in Oral Medicine and Radiology from reputed Pune University. He is currently serving as a Head of the department, Professor and guide in Rishiraj College of Dental Sciences and Research Centre, Bhopal. He is the recipient of IDA profile of the month and year in 2016. He is life member of Indian Academy of Oral Medicine and Radiology, Member of International academy of Dentomaxillofacial Radiology, American Academy of Oral and Maxillofacial Radiology, Asian Association of Maxillofacial Radiology. He is also the editor in chief of CBCT magazine. He has published two books on CBCT and has numerous international and national publications. He is key opinion leader for Dentsply Sirona for Imaging since 2011. He is a certified CBCT trainer and also international and national mentor on CBCT.



**Dr Prashant Jaju**  
BDS, MDS

## 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

[oralmedicinehodpda@gmail.com](mailto:oralmedicinehodpda@gmail.com)

### **Administrative Office**

Dept. of Oral Medicine & Radiology  
People's Dental Academy, Bhopal.  
0755-4005372

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

## CHIEF PATRONS:

**Mr. Suresh Vijaywargia,**

Chairman and Chancellor  
Peoples University Bhopal

**Dr Megha Vijaywargia**

Pro Chancellor  
Peoples University Bhopal

## PATRON:

**Dr. Rajesh Kapur**

Hon'ble Vice Chancellor  
Peoples University Bhopal

## GUIDE AND MENTOR:

**Dr. Sanjeev Tyagi**

BDS, MDS, Dean, Prof & Head Conservative  
& Endodontics  
People's Dental Academy

Course fee- Rs 10,000. 00

Last Date for submission of form and fees will be  
15th March 2022 after which Late Fees will be  
charged @ 10% extra fees till 20th March 2022

## COURSE DIRECTOR:

**Dr G V Ramachandra Reddy**

BDS, MDS, FPFA.

Fellowship in Forensic odontology

Professor and HOD

PG and PhD guide

Department of OMR (8217797679)

## ORGANISING SECRETARY

**Dr Hina Handa**

BDS, MDS

PG Diploma in Psychological Counseling

Reader

## REGISTRATION DESK



**Dr. Christopher Shinde**

BDS, MDS

Reader (9993168710)

**Dr Krishna Sagar**

BDS, MDS.

Reader (8770025449)



## COURSE CONVENORS

**Dr Chandrika Dubey**

BDS, MDS

Reader (9752333686)

**Dr Shweta Chaturvedi**

BDS, MDS

Sr Lecturer (6264806087)



## **COURSE DETAILS**

3 MODULES (Total 10 days course)

COURSE DIRECTOR : DR PRASHANT P JAJU

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**