

Interpretation and Applications of Cone Beam Computed Tomography

Hands-On Workshop

12th to 16th September 2023

Cone Beam Computed Tomography is a three dimensional imaging technology, and a very useful tool for proper diagnosis, it is especially useful in dental and maxillofacial radiology. CBCT has been used to overcome the problem with conventional two-dimensional radiographic techniques. CBCT has become increasingly important in treatment planning and diagnosis in Implant dentistry, Oral and Maxillofacial Surgery, Orthodontics, Sleep apnea in relation to dentistry and Interventional Radiology (IR), among other things. The advantages of CBCT over panoramic radiographs are 3D analysis, no superimposition or distortion, and the ability to create cross-sectional images.

Overview:

Five days course addresses on recent advances in imaging and how to incorporate these into the dental practice for optimal patient care. The technology as well as the practical uses of CBCT helps in improving diagnosis and treatment planning in various fields of dentistry like dental implant planning, visualisation of abnormal teeth, evaluation of the jaws and face, cleft palate assessment, Endodontics, trauma.

Course Objectives:

- Understand the basic principles and indications of CBCT.
- Identify normal anatomical structures and incidental findings.
- Use of CBCT in diagnosis and treatment.
- Application of CBCT in implant treatment planning, impacted teeth, Pathological changes in jaw cysts, tumors, trauma etc.,.



ACADEMY OF CONTINUING EDUCATION
VISHNU DENTAL COLLEGE



Organised by:
Oral Medicine & Radiology
VISHNU DENTAL COLLEGE

Bhimavaram-W.G Dist. A.P 534202

**The Course is for all Interns of
VISHNU DENTAL COLLEGE**

Schedule

Didactic Session

9:00AM-10:00AM	Fundamentals of Dental radiology 2D Vs 3D
10:00AM-11:00AM	Principles & Clinical applications of CBCT
11:00AM-11:20AM	Break
11:20AM-12:20PM	Imaging tools software-On demand
12:20PM -1:00PM	Artefacts
1:00PM-2:00PM	Lunch Break

Hands-On session

2:00PM-3:30PM	Locating Normal anatomical landmark and variants, Assessment of Endo cases by CBCT
3:30PM-3:40PM	Break
3:40PM-4:30PM	Implant planning, 3D Assessment of Impacted Tooth

Course Facilitators

Keynote Speakers:

- Dr Ramesh Tatapudi, Professor
- Dr Jyothirmai Koneru, Associate Professor
- Dr Anand Beeraboyina, Associate Professor

Hands-On Guidance:

- Dr Angel D'Costa, Senior lecturer
- Dr B Ramesh Kumar, Senior lecturer

Requirements:

Laptop with 4GB RAM and minimum of 2GB space
(at least one for two participants)