

MODULE 1

FOUNDATIONS & CLINICAL INTERPRETATION

From Diagnosis to Digital Treatment Planning

HALF-DAY LECTURE + LIVE CLINICAL CASE DEMONSTRATIONS

Build the foundation for confident CBCT interpretation through expert-led lectures and real clinical case discussions across Implantology, Endodontics and Oral Pathology.

WHAT YOU'LL LEARN

1. CBCT FUNDAMENTALS

- Principles & Indications of CBCT
- Radiation Safety
- DICOM Basics
- Image Orientation
- Understanding 2D vs 3D Imaging

2. MAXILLOFACIAL ANATOMY

- Inferior Alveolar Canal
- Mental Foramen
- Maxillary Sinus
- Nasal Floor
- Incisive Canal
- Anatomical Variations

3. CLINICAL APPLICATIONS

A. IMPLANT DENTISTRY

- Case Selection
- Bone Height & Width Assessment
- Ridge Evaluation
- Safety Margins
- Implant Planning Principles

B. ENDODONTICS

- Canal Morphology
- MB2 Identification
- Calcified & Missed Canals
- Internal & External Resorption
- Perforations
- Instrument Separation

C. ORAL PATHOLOGY

- Periapical Lesions
- Radicular Cysts
- Granulomas
- Odontogenic Cysts
- Impacted Teeth
- Sinus Pathology
- Differential Diagnosis

4. LIVE CLINICAL CASE DISCUSSIONS

Interpret real CBCT datasets covering a wide range of clinical scenarios:

- Implant Planning Cases
- Single & Multiple Implant Cases
- RCT Diagnosis & Retreatment Cases
- Missed Canal Detection
- External & Internal Resorption
- Periapical Lesions
- Cysts & Jaw Lesions
- Impacted Teeth Assessment

BY THE END OF MODULE 1, YOU WILL BE ABLE TO:

- ✓ Interpret CBCT scans systematically.
- ✓ Identify critical anatomical landmarks.
- ✓ Diagnose common endodontic and implant-related conditions.
- ✓ Differentiate periapical and jaw lesions.
- ✓ Make evidence-based clinical decisions using CBCT imaging.

MODULE 2

From Diagnosis to Digital Treatment Planning

HANDS-ON DIGITAL PLANNING

SOFTWARE-BASED PRACTICAL TRAINING

 Full Day Practical Session

Learn by doing under expert guidance using actual CBCT software and clinical datasets.

1 HANDS-ON SESSION 1

ENDODONTIC CBCT INTERPRETATION

Participants will practice:

- Systematic scan navigation
- Multi-planar reconstruction (MPR)
- Canal tracing
- MB2 localisation
- Missed canal detection
- Root fracture identification
- Internal & External Resorption
- Perforation assessment
- Treatment planning using CBCT

2 HANDS-ON SESSION 2

IMPACTED TEETH & NERVE TRACING

Learn to:

- Trace Inferior Alveolar Nerve
- Evaluate impacted third molars
- Assess proximity to the nerve
- Identify anatomical risk factors
- Improve surgical planning

3 HANDS-ON SESSION 3

IMPLANT PLANNING

Perform complete virtual implant planning using CBCT software.

Participants will practice:

- Bone Measurements
- Ridge Evaluation
- Safety Margins
- Implant Selection
- Implant Positioning
- Prosthetically Driven Planning
- Virtual Implant Placement
- Implant Position Evaluation

BY THE END OF THE WORKSHOP

PARTICIPANTS WILL BE ABLE TO:

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| <ul style="list-style-type: none">✓ Interpret CBCT scans systematically✓ Identify critical anatomical landmarks✓ Diagnose complex endodontic cases | <ul style="list-style-type: none">✓ Detect missed canals and root fractures✓ Evaluate impacted teeth confidently✓ Perform nerve tracing | <ul style="list-style-type: none">✓ Plan implant cases safely✓ Execute basic virtual implant planning✓ Understand the complete digital workflow in Implant Dentistry and Endodontics |
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