

Learning Outline:

Session 1: Radiographic Signs and Interpretation

- Radiographic anatomy relevant to dental implants.
- Interpretation of normal vs. abnormal radiographic findings.

Session 2: Prevention

- Role of radiology in prevention and early detection of complications.
- Guidelines for routine radiographic assessment pre-, mid, and post-implant placement.
- Integration of radiological findings into treatment planning and patient management.
- Implementing radiology in the preoperative planning phase (surgical guides and navigation).
- Types of radiological techniques used in implant dentistry:
 - Intraoral periapical radiographs
 - Panoramic radiographs
 - Cone beam computed tomography (CBCT)

Session 3: Complications

- Overview of complications: peri-implantitis, bone loss, implant failure, nerve injury.
- Radiologic findings of risk factors contributing to implant complications.
- Cases with highlighting complications and their radiological manifestations.

Learning outcomes:

Participants will leave with a deeper understanding of how radiology can significantly impact the success of dental implant procedures by enabling early detection and effective management of complications. The course will empower dental professionals to enhance their clinical practice through enhanced radiological skills and strategic application in implant dentistry.