

# 3D imaging and diagnostics

3D technology is revolutionizing radiology. Our course provides general dentists and radiologists the ability to integrate three-dimensional diagnosis in their daily practice.

In addition to the course, we invite you to visit Planmecca's seaside villa to enjoy the beautiful Helsinki archipelago, to taste Nordic delicacies at dinner and to relax in the Finnish sauna.

## Course objectives:

- Interpret CBCT images and understand the principles of 3D imaging
- Understand effective patient doses and minimize exposure
- Recognize anatomical variations and pathologic conditions

## Course schedule

2 days with 13 hours of lectures and hands-on training  
**1 ECTS credit** (European Credit Transfer System) or  
**13 CE credits** (Continuing education)

### Day 1

#### Theory and practice of 3D imaging

- Principles of dental imaging
- 2D and 3D imaging in dentistry
- Basic dental anatomy revisited + 3D anatomy (+ exercises)
- 3D image analysis: introduction
- CBCT and 3D image analysis
- Diagnostic applications of CBCT
- Basic dental pathology examples and software considerations
- Small, medium & large field-of-view CBCT
- Principles of use, dosimetry and radioprotection exercises (imaging protocols)

### Day 2

#### 3D imaging and diagnostics

- Interpretation principles in radiology
- 3D image manipulation and planning
- Diagnostic considerations for endo/perio/prostho/ortho
- CBCT diagnostics: indications and pathology
- Pathology examples and exercises
- Advanced image analyses: 3D manipulation
- 3D visualization techniques
- Artifacts: practical considerations

Helsinki

2 days

13 CE  
credits€ 1250  
+VAT

## Lecturers

- **Dr. Bart Vandenberghe**  
DDS, MSc, PhD (University of Leuven, Belgium)
- Hands-on: **Erkki Hiltunen** or **Antti Airisto**  
Dental X-Ray Product Managers (Planmecca, Finland)

## Venue

Planmecca Digital Academy Training Center  
Asentajankatu 6  
FIN-00880 Helsinki, Finland

## Target group

- International graduated dentists and radiologists with interest in 3D imaging
- The course will be carried out in English

## Side program

- Sauna evening and Nordic dinner at Planmecca's seaside villa
- Voluntary visit to Planmecca's headquarters and factory

## Course fee

The price for the course is 1,250€ + value added tax (24%) if applicable. The price includes lectures and training, materials, lunches and refreshments. The side program during the course is voluntary and complimentary. Please note that travel and hotel costs are not included.

### *For further information and registration, please contact:*

Elli Abdou  
Training Coordinator, NIDE  
Tel. +358 20 779 5101  
elli.abdou(at)nordicdented.com