

# EAO Diploma in Implant Dentistry

## 3-year part-time



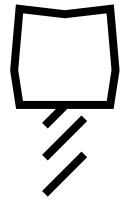
### Live Learning Events

Each module includes a three-day on-site training element and combines hands-on elements, lectures, practicals and live surgery, hosted at some of Europe's most prestigious universities.

<b>Module 1</b> (Straightforward) <b>Autumn</b>	<b>Malmö University</b> <b>Course leader: Andreas Stavropoulos</b> Posterior single unit, short and extended, edentulous space; low aesthetic risk, sufficient bone volume
<b>Module 2</b> (Straightforward) <b>Spring</b>	<b>Groningen University</b> <b>Course leaders: Gerry Raghoobar &amp; Henny Meijer</b> Edentulous arches; overdenture restoration on 2 and 4 implants
<b>Module 3</b> (Advanced) <b>Autumn</b>	<b>University of Frankfurt</b> <b>Course leaders: Frank Schwarz &amp; Robert Sader</b> Posterior single and multiple tooth replacement, short edentulous space, full edentulism, moderate aesthetic risk, insufficient bone volume
<b>Module 4</b> (Advanced) <b>Spring</b>	<b>University of Zurich</b> <b>Course leaders: Christoph Hämmerle &amp; Ronald Jung</b> Aesthetic zone single unit; short and extended edentulous space; horizontal deficiencies; simultaneous grafting in conjunction with soft tissue grafts (GBR); immediate placement with low aesthetic risk
<b>Module 5</b> (Complex) <b>Autumn</b>	<b>Universidad Complutense de Madrid</b> <b>Course leader: Mariano Sanz</b> Aesthetic zone: immediate placement, damaged wall/augmentation; immediate loading of single units, short/extended/edentulous cases
<b>Module 6</b> (Complex) <b>Spring</b>	<b>School of Dental Medicine, Lisbon</b> <b>Course leader: Joao Carames</b> Aesthetic zone: immediate placement, severe horizontal/vertical deficiencies; single unit; short and extended edentulous space; secondary implant placement after grafting

# Module content

## Straightforward



### Seminar 1

Posterior single unit: short and extended edentulous space (2–3 implants); low aesthetic risk; sufficient bone volume

#### Basics/theory

- history
- bone physiology
- osseointegration
- dental implant surfaces
- dental implant design
- medical history/systemic and oral diseases
- how to prepare a case presentation
- intraoral photography

#### Planning/seminar

- differential therapeutic considerations (perio, endodontics)
- periodontal status
- bone evaluation
- minimum bone dimensions
- soft tissue conditions
- study casts
- wax up
- surgical guides
- case presentations

#### Implant surgery

- preparation for surgery (biosafety)
- incision lines
- drilling protocol
- placement in relation to adjacent teeth
- bone quality
- primary stability
- management of complications
- abutment connection

#### Restorative/perio/DT

- prosthetic components
- screw retained vs. cemented
- occlusion in posterior implant borne restorations
- interarch space
- shaping of restorations
- hygiene issues
- maintenance
- management of mechanical complications

### Seminar 2

Edentulous arches: overdenture restoration on 2 and 4 implants

#### Basics/theory

- changes of oral tissues in fully edentulous patients
- biomechanics and implant positioning in edentulous jaws

#### Planning/seminar

- vertical and horizontal interarch relationship
- bone and soft tissue evaluation
- wax up
- surgical guides
- case presentations

#### Implant surgery

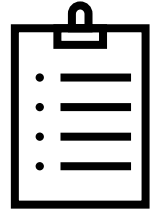
- use of mucosa and bone borne surgical guides
- management of potential anatomical risks (mental foramen, sublingual grooves, sinus floor)
- soft tissue management/abutment connection

#### Restorative/perio/DT

- overdenture treatment
- bars, clips, locators
- hygiene measures
- maintenance
- management of prosthodontic complications

# Module content

## Advanced



### Seminar 3

Posterior single unit: Short and extended edentulous space; full edentulism (low aesthetic risk); horizontal deficiencies; simultaneous grafting (GBR)

#### Basics/theory

- defect classifications
- biomaterials
- barrier membranes

#### Planning/seminar

- defect history
- bone and soft tissue evaluation
- study casts
- wax up
- surgical guides
- case presentations

#### Implant surgery

- incision lines
- handling of biomaterials and barrier membranes
- alveolar bone splitting
- limited sinus lift lateral/transalveolar in conjunction with implant placement
- soft tissue coverage
- management of complications

#### Restorative/perio/DT

- fixed bridge in edentulous patients
- prosthodontic concepts on 6–8 implants
- occlusion in fixed full arch restorations
- hygiene aspects
- maintenance
- management of occlusal/mechanical complications

### Seminar 4

Aesthetic zone single unit: Short and extended edentulous space; horizontal deficiencies, simultaneous grafting (GBR); immediate placement with low aesthetic risk

#### Basics/theory

- aesthetic considerations of dental restorations
- socket healing
- timing of implant placement after extraction
- socket/ridge preservation

#### Planning/seminar

- profile/lip line evaluation
- periodontal tissue evaluation
- 3D bone evaluation
- study casts
- wax up
- surgical guides

#### Implant surgery

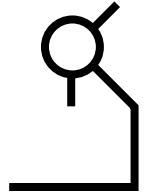
- placement/vertical/horizontal position
- incision lines
- soft tissue management in areas of augmentation
- management of complications
- immediate placement in posterior areas with intact socket walls

#### Restorative/perio/DT

- prosthodontic aspects in aesthetic restorations
- number of implants
- fixed bridge vs. single crowns
- occlusion in the aesthetic zone

# Module content

## Complex



### Seminar 5

**Aesthetic zone: Immediate placement; damaged wall/ augmentation; immediate loading of single units; short/extended/ edentulous cases**

#### Basics/theory

- preconditions for immediate loading
- loading protocols
- marginal bone/soft tissue reactions
- soft tissue management

#### Planning/seminar

- 3D planning
- surgical guides
- relevance of vertical/ horizontal positioning
- CAD/CAM for immediate restoration

#### Implant surgery

- implant placement in damaged sockets
- simultaneous augmentation
- soft tissue management and coverage
- management of complications

#### Restorative/perio/DT

- integration of immediate restorations
- work flow and management
- occlusal adjustments
- provisional and definite restorations on immediately placed implants
- maintenance
- management of complications

### Seminar 6

**Severe horizontal/vertical deficiencies: Single unit; short and extended edentulous space; secondary implant placement after grafting**

#### Basics/theory

- anatomical changes due to atrophy in maxilla and mandible
- harvesting areas for bone grafts
- bone graft healing

#### Planning/seminar

- periodontal evaluation
- bone evaluation
- 3D planning
- soft tissue evaluation
- interarch relationship
- study casts
- avoiding bone grafts (short implants, zygoma implants)
- placement of zygoma implants

#### Implant surgery

- incision lines/flap design
- recipient site preparation
- graft procurement and adaptation, graft fixation
- extended sinus floor augmentation
- soft tissue management and coverage
- management of complications
- removal of fixation screws
- secondary implant placement
- temporary implants

#### Restorative/perio/DT

- vertical and horizontal dimensions of restorations
- management of soft tissue problems
- provisional restorations on temporary implants
- prosthodontic concepts without grafting (short implants)
- restorations on zygoma implants