## 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.

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

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## Module content

### Advanced

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<thead>
<tr>
<th>Seminar 3</th>
<th>Seminar 4</th>
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<tr>
<td><strong>Posterior single unit</strong>: Short and extended edentulous space; full edentulousism (low aesthetic risk); horizontal deficiencies; simultaneous grafting (GBR)**</td>
<td><strong>Aesthetic zone single unit</strong>: Short and extended edentulous space; horizontal deficiencies, simultaneous grafting (GBR); immediate placement with low aesthetic risk</td>
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#### Basics/theory
- defect classifications
- biomaterials
- barrier membranes
- aesthetic considerations of dental restorations
- socket healing
- timing of implant placement after extraction
- socket/ridge preservation

#### Planning/seminar
- defect history
- bone and soft tissue evaluation
- study casts
- wax up
- surgical guides
- case presentations
- profile/lip line evaluation
- periodontal tissue evaluation
- 3D bone evaluation
- study casts
- wax up
- surgical guides

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

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## 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