



<b>Theory and Hands-On Program advanced Course in dental Implantology and sinus lifting</b>	<b>5 hours</b>
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Advanced Dental Implantology and sinus lifting

#### **Course overview**

This course is designed for experienced surgical users in dental implantology who want to expand their treatment with inserting of dental implants in more complicated and sinus lifting cases in their own office. The program is designed to present advanced clinical cases with advanced procedures in dental implantology, bone augmentation procedures and sinus lifting step by step from A to Z and possible complications.

#### **Purpose**

By the end of this training program, the attendees should understand and be able to handle and treat more complicated cases in inserting of dental implants and know the surgical procedures and protocol. They should be able understand and estimate when and how to treat cases with bone augmentation and of sinus lifting and avoid pitfalls. To know how to deal with complications in these cases.

#### **Learning outcome**

The attendees should:

- Understand to evaluate cases and be able to give the right solution for the patient
- Understand surgical protocol in more complicated cases with augmentation procedures
- Sinus lifting procedures from A to Z
- Understand complications and deal with them

**Participants**

Experienced Implantologists

**Time disposition**

5 hours

**Lectures & responsibility**

The courses are presented by a clinician trained and experienced in dental implantology procedures, along with support from CORTEX representatives.

**Lecturer material**

- Speaker notes (For presentation)
- Introduction presentation (To be given by the CORTEX Representative)
- Hands-on presentation(s)/plastic jaws
- PowerPoint template, CORTEX branded

The lecturer should utilize the PowerPoint presentation as a template for the program and integrate their material and cases into the presentation.

**Participant material**

- Speaker notes (PowerPoint slides as notes pages), to be distributed with other course materials
- Hands-on printed material, to be distributed prior to the workshop(s)
- Hands-on digital material, to be distributed after the workshop

## Course content

- Clinical Oral Anatomy specially of the maxillary sinus
- Influence of general diseases on dental surgery and implantology.
- Bone type classifications, bone density.
- Planning of complicated cases, clinical examination, x-ray examination, CBCT
- Bone substitution, GBR procedures
- All about close and open sinus lifting
- Complications in dental implantology and sinus lifting procedures
- Hands on training and, if applicable, live surgery

The course agenda is designed to provide a consistent lesson and should be followed as much as possible. Time and disposition may be changed by the lectures.

<b>Equipment and components</b>	<b>No. of copies</b>
- Surgical Motor	1 per 3 participants
- Surgical Core kit	1 per 3 participants
- Practicing Model	1 per participant
- Suture material	
- Cortex implants: (Dynamix or Classix 3.8 /11.5mm x2, 4.2/8mm x2) None sterile	4 per participant
- Manuals:	
- Procedure & Products: bone substitution	1 per participant
- CD- Cortex implants Surgical Procedure	1 per participant
- PowerPoint handouts with note fields	1 per participant

<b>Sales</b>	<b>No. of copies</b>
Sales offer presented and distributed at the end of day 1 contains:	
- Sales brochures	1 per participant
- Sales offer containing a basic surgery kit	1 per participant

<b>Confirmation Letter</b>
- Add a few survey questions to the registration form, in order to establish the participants implant experience. (e.g., Do you currently restore implants? What implant systems are you currently using and what did you use in the past?, etc)

<b>1. Introduction</b>	<b>15 min.</b>
<b>Responsible:</b> CORTEX Representative and Lecturer	
<b>Purpose:</b> The objective of the intro/closing sections is to create the CORTEX <i>family</i> feeling, give participants confirmation that they made the correct choice by selecting a CORTEX course. It will clearly show the benefits for the participants, and sets the stage for the course.	
<b>Learning outcome:</b> The participants should: <ul style="list-style-type: none"> <li>- Be ensured that CORTEX is the worldwide leader in implant solutions and training and education.</li> </ul>	

#	Content	Description
1	DVD – “CORTEX History”. 4.5 minutes.	<ul style="list-style-type: none"> <li>- The DVD to be shown is the “CORTEX History”</li> <li>- The purpose of the movie is to start conveying a feeling of “Yes! I am in the right place”</li> </ul>
2	CORTEX representative introduction. 4-6 minutes.	<ul style="list-style-type: none"> <li>- Course introduction, PowerPoint presentation, and speaker introduction</li> </ul>
3	Speaker presentation. 4 minutes.	<ul style="list-style-type: none"> <li>- Speaker welcomes the participants</li> <li>- Speaker presents him- or herself, the participants present themselves to each other (if appropriate)</li> </ul>

<b>2. Clinical Anatomy</b>	<b>30 min.</b>
<b>Responsible:</b> Lecturer	
<b>Purpose:</b> To present the importance of clinical anatomy for the dental implantology considerations of clinical aspects. Specific anatomy of the maxillary sinus	
<b>Learning outcome:</b> The participants should: <ul style="list-style-type: none"> <li>- Understand the anatomy of bone and soft tissue, clinical use of the anatomy to avoid pitfalls.</li> </ul>	

#	Content	Description
1	Clinical Oral anatomy	<ul style="list-style-type: none"> <li>- Lower jaw</li> <li>- Upper jaw</li> </ul>
2	Special important anatomical structures	<ul style="list-style-type: none"> <li>- Mental nerve</li> <li>- Maxillary sinus</li> </ul>
3	Clinical use of the anatomy to interpretative CBCT	<ul style="list-style-type: none"> <li>- To avoid severe complications</li> </ul>
4	Bony structures and bone density	<ul style="list-style-type: none"> <li>- Important in planning clinical cases</li> </ul>

<b>3. The correct planning of advanced cases, general diseases, x-ray, CTCB, bone classification</b>	<b>45 min</b>
<b>Responsible:</b> Lecturer	
<p><b>Purpose:</b> To provide a comprehensive knowledge in planning advanced cases especially in performing artificial bone augmentation and sinus lifting, procedures to avoid injuries of the inferior alveolar nerve. Understand indications of bone different bone substitution, understand the rules of GBR and the used materials and their biological behavior.</p>	
<p><b>Learning outcome:</b> The participants should: Understand all to deal with more complicated cases and be able to perform sinus lifting.</p>	

#	Content	Description
1	General knowledge	<ul style="list-style-type: none"> <li>- Anatomy</li> <li>- Planning, CBCT</li> <li>- General diseases</li> <li>- GBR</li> <li>- Sinus lifting</li> <li>- Complications</li> </ul>
2	Finite Element Analysis	- Results
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		-

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3	Technical data	- Power point presentation

<b>4. GBR, close and open Sinus lifting</b>	<b>60 min.</b>
<b>Responsible:</b> Lecturer	
<b>Purpose:</b> To learn how to deal with augmentation procedures and be able to perform close and open sinus lifting in the own office.	
<b>Learning outcome:</b> The participants should: <ul style="list-style-type: none"> <li>- Learn the special clinical anatomy of the maxillary sinus.</li> <li>- Learn to plan more complicated cases.</li> <li>- Deal with artificial bone and understand bone augmentation procedures</li> <li>- Be able to manage close and open sinus lifting from A to Z.</li> <li>- To recognize complications in the right time and treat them.</li> </ul>	



#	Content	Description
1	Case reports	-

<b>5. Complications in dental implantology and sinus lifting procedures</b>	<b>60 min.</b>
<b>Responsible:</b> Lecturer	
<b>Purpose:</b> To provide a comprehensive knowledge of the surgical aspects of dental surgery. Knowing the surgical catalog. Understand to recognize and deal with complications	
<b>Learning outcome:</b> The participants should: <ul style="list-style-type: none"> <li>- Understand that advanced procedures are essential in the modern dentistry</li> <li>- Understand the surgical protocol from flap raising to flap closure</li> <li>- Know the unique characteristics, benefits, indications and pitfalls of GBR and sinus lifting.</li> </ul>	

#	Content	Description
1	Implant dimensions	- Implant lengths, diameters
2	Dental implants insertion options	- Manual - Manual torque wrench surgical - Surgical driver - Drilling unit - Drills -
3	Surgical protocol of GBR and sinus lifting	- Bone types - Surgical kit
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5	Live surgery/film	- Live surgery if possible, otherwise show a film demonstrating the placement of dental implants

6	Clinical Evidence	- Power point presentation "Clinical Evidence"

<b>6.</b>	<b>Hands-on surgical workshop</b>	<b>1 hour</b>
<b>Responsible:</b> Lecturer and CORTEX Representative		
<p><b>Purpose:</b> Provide participants with a tactile feeling for the products, components, instruments and protocol. Through practical exercises developing the knowledge of surgical aspects and techniques necessary in GBR and Sinus lifting.</p>		
<p><b>Learning outcome:</b> The participants should:</p> <ul style="list-style-type: none"> <li>- Know the steps and sequence of augmentation procedures placement.</li> <li>- Feel comfortable with the surgical aspects and techniques used to perform sinus lifting.</li> <li>- Recognize and deal with complications in advanced dental implantology</li> </ul>		

#	Content	Description
1	Surgical hands-on, Introduction	<ul style="list-style-type: none"> <li>- PowerPoint presentation introducing the hands-on, by lecturer</li> <li>- Film showing hands-on surgical session</li> </ul>
2	Surgical hands-on	<ul style="list-style-type: none"> <li>- Printed PowerPoint handouts for participants to use as support material</li> <li>- Animal jaws, implants, surgery kits</li> <li>- Flap procedure</li> <li>- Immediate implantation</li> <li>- Suturing</li> </ul>

<b>7.</b>	<b>Wrap-up and course evaluation</b>	<b>15 min.</b>
<b>Responsible:</b> Lecturer and CORTEX Representative		
<b>Purpose:</b> To confirm the key issues and messages of the course. To ensure the participants leave with the confidence and enthusiasm to take the next step and support a decision to start treating advanced cases and sinus lifting.		
<b>Learning outcome:</b> The participants should: <ul style="list-style-type: none"> <li>- Know the features and benefits of sinus lifting</li> <li>- Understand that GBR and sinus lifting give huge solution possibilities for your patients</li> <li>- Leave confidence and motivation to do these procedures in their own practices.</li> </ul>		

#	Content	Description
1	Wrap-up	<ul style="list-style-type: none"> <li>- An essential summary of the key issues of the course</li> <li>- Follow-up the sales offer presented to the participants at the end of the first day (attractive)</li> <li>- Time for questions and discussions</li> </ul>
2	Course evaluation	<ul style="list-style-type: none"> <li>- Distribute the course evaluation questionnaire to each of the participants to collect their feedback and input for improvement</li> <li>- Distribute a printed and signed course certificate to each participant</li> </ul>