

**German Board Of Oral Implantology (GBOI)
DGZI CURRICULUM**

Detailed Description of Each Weekend (Course Contents)

2011 – 2012

SESSION ONE

(DAYS 1 and 2)

1- INTRODUCTION IN TO DENATL IMPLANTOLOGY

In the first weekend session, a systematic overview over the fundamentals of implantology is provided. This includes important definitions, types of implants, materials, biological criteria, systems and a systematic approach to and performance of a relevant case of implant management for the participant's daily practice. The participants are going to learn to approach the dental management of their patients from the point of view of the available options of implantation therapy.

The GBOI Program Directors:

Prof. Dr. Mazen Tamimi (DGZI - International President)

Prof. Dr. Rolf Vollmer (1. Vice-president and Treasurer of DGZI)

Prof. Dr. Rainer Valentine

Prof. Dr. Roland Hille

Day 1

Time	Topic	Speaker
8:30 – 9:00	Registration , Welcoming and Gathering	All speakers
9:00 – 9:30	Why postgraduate education? GBOI & Master	Prof. Dr. Tamimi
9:30-10:30	Organizational prerequisites for the performance of Dental implants (Clinic, Assistant, team , instruments, and equipment requirements to insert implants,) from A to Z	Prof. Dr. Tamimi
10:30- 11:00	Coffee Break	
11:00 – 11:30	Why use implants?	Prof. Dr. Vollmer
11:30-12:00	Anatomical critical structures.	Prof. Dr. Vollmer
12:00-13:30	Macrostructures: Overview of materials, manufacturers – who manufactures what?	Prof. Dr. Hille
13:30-14:00	Microstructures: Histology and biocompatibility with a special focus on relevant aspects for Oral Implantology.	Prof. Dr. Valentin
14:00 – 15:30	Lunch Break	
15:30 -16:30	Overview: Augmentation materials	Prof. Dr. Valentin
16:30-17:00	Indications/contraindications of Implants	Prof. Dr. Vollmer
17:00-17:30	Coffee Break	
17:30-18:00	Types of implants, implant components, nomenclatures.	Prof. Dr. Hille
18:00 -18:30	Abutments & superstructure types	Prof. Dr. Hille

Day 2

Time	Topic	Speaker
9:00-10:30	General medical history: Medical aspects in oral implantology	Prof. Dr. Hille
10:30 - 11:00	Coffee Break	
11:00 – 11:45	Quality management: Hygiene, equipment, nurses, operation, theater	Prof. Dr. Tamimi
11:45 – 12:30	Administrative aspects in implantology (promotion, convincing the patient, cost estimate, expert opinion, team work& referrals	Prof. Dr. Tamimi
12:30 – 14:00	From PNx to navigation planning / case presentation And actual thinking exercise of treatment planning	Prof. Dr. Vollmer Prof. Dr. Valentin
14:00 - 15:30	Lunch Break	
15:30 - 17:00	Hands on training. <i>Implant Systems.</i>	Prof. Dr. Vollmer Prof. Dr. Valentin
17:00 - 17:30	Coffee Break	
17:30 - 18:00	Time planning of a total rehabilitation with implants.	Prof. Dr. Vollmer
18:00 - 18:30	Patient instruction, medico legal aspects, risks and risk management.	Prof. Dr. Vollmer
18:30 - 19:30	Review and First Session Exam	Prof. Dr. Vollmer Prof. Dr. Valentin

SESSION TWO

(DAYS 3 and 4)

2. Basics of Implantology and Planning (Radiology)

Especially in the interdisciplinary therapeutic modality of Implantology, diagnosis and planning are of crucial significance. Insufficient planning may easily become the source of many undesired corollaries. Practical examples are used to teach the participants a systematic approach to this aspect; X- Ray techniques are discussed in details. Other topics are the fundamentals of surgery and the inclusion of prosthetic considerations in the planning of the surgical procedure, complete treatment plan and careful assessment of available hard and soft tissues

Session keys:

Intra oral radiology

- * Principles & Errors of Periapical radiology
- *Principles of Occlusal radiology

Extra oral radiology

- *Principles & Errors of Extra oral radiology.

Anatomical Landmarks

- *As related to Intra oral radiology
- *As related to extra oral radiology

Advanced radiology program

- *Dentascan (Principles ,Applications & How to read Dentascan)
- *Cone Beam (Principles , Applications & How to read Conebeam cuts)

Differences in reconstructions between MCT&CBCT

- *Anatomy as related to MCT&CBCT
- *Hands on & discussion

Basic surgical procedures

- *Flap designs
- *Suture techniques

Basics of Implantology and Planning (Radiology)

Day 1

Time	Topic
9:00 -11:00	The role of modern radiography in the field of dental Implantology at different stages from diagnosis to Follow up. (Part I)
11:00 – 11:15	Coffee Break
11:15 – 1:45	Computed Radiography and 3 D Navigation. The Present and the future. (Part II)
1:45 – 3:00	Lunch Break
3:00 – 4:30	Hands on: how to read computed tomography cuts
4:30 – 5:45	Hands on: How to manipulate reconstruction's program
5:45 – 6:00	Coffee break
6:00 – 7:00	surgical guide all types
7:00 – 8:00	Implementation of the plan.

Day 2

Time	Topic
9:00 – 10:00	Radiological Maxillary Landmarks from Periapical to cone beam CT
10:00 – 11:00	Radiological Mandibular Landmarks from Periapical to cone beam CT
11:00 -11:15	Coffee Break
11:15 – 12:15	Incision procedures, flap reflection.
12:15 – 1:45	Hands on templates.
1:45 – 2:45	Lunch Break
2:45 -3:45	Instrumentation.
3:45 – 5:15	Suturing techniques, hands on.
5:15 – 5:30	Coffee Break
5:30 – 6:00	Discussion, teamwork and evaluation
6:00 – 7:00	EXAM

SESSION THREE (DAYS 5 and 6)

3. Theory and Practice of Implantology in Specimens (Anatomy)

The focus of this weekend session is on Head & Neck Anatomy .

Applied surgical Anatomy of the mouth ; Maxilla ; and Mandible & related vital structures to be discussed in details ; plus the participants should go back to the basics of histology & embryology in order to know exactly the development & healing of soft & hard tissues .

Session keys:

- * Daily practice-relevant anatomy of oral hard and soft tissues.
- * Presentation of the regions with relevance for Implantology and neighboring anatomical structures at risk
- * Mental foramen and course of the mental nerve in the lower lip.
- * Course of the mandibular canal and variations there of.
- * Structures on the floor of the mouth.
- * Nervus lingualis - ductus submandibularis - glandula sublingualis.
- * Lingual contours of the corpus mandibulae.
- * Incisive foramen and canalis incisivus with nervus nasopalatinus.
- * Foramen palatinum majus and course of the major palatine artery.
- * Topographical anatomy .
- * Lower jaw, interforaminal.
- * Upper jaw, anterior teeth region.
- * Upper and lower jaw, posterior teeth region – tuberosity.
- * Head and neck detailed anatomy.
skull , oral cavity , nerves , muscles , facial spaces . maxillary sinus , floor of the mouth
maxilla and mandible.
- * the scalp .
- * the palate .
- * the face .
- * the nose
- * the Para nasal sinus .
- * the Orbit .
- * the cartio triangle .
- * The vessels and nerves of the face .
- * the Temporal and infratemporal fossae
- * Anatomical Critical Structures related to Dental Implants.
- * Anatomy of Extra Oral Bone Graft Sources & Land marks i.e Crest , Tibia , Fibula .

Day 1

Time	Topic
9:00 – 10:30	Embryology of the head and neck
10:30- 11:00	Coffee Break
11:00 – 12:00	Bone tissue
12:00-13:00	Surgical anatomy of bone grafting
13:00-14:00	Applied anatomy of the skull
14:00 – 15:00	Lunch Break
15:00 -16:00	Scalp
16:00-17:00	Face
17:00-17:30	Coffee Break
17:30-18:30	Blood supply of the head and neck

Day 2

Time	Topic
9:00 – 10:30	The oral cavity and palate
10:30-11:15	Temporal and infratemporal fossae
11:15- 12:45	Coffee Break + Prayer Time
12:45 – 13:30	Temporomandibular joint
13:30 – 14:30	Nose and Paranasal sinuses
14:30 – 15:30	Lunch Break
15:30 -16:30	Submandibular triangle
16:30-17:00	Coffee Break
17:00-18:00	Submental and digastric triangles
18:00 -18:30	Session Exam

SESSION FOUR

(DAYS 7 and 8)

4. Implantation and Surgical Procedures in the Daily Practice

Based on the knowledge and skills obtained on previous weekends, this weekend session focuses on presenting the relevant surgical procedure for the daily practice. Different procedures and the most significant implant systems will be illustrated to the participants in a comparative fashion. The main focus of this session is on the knowledge of the basics and prerequisites of surgical interventions in the daily practice.

With regard to the technical procedure of implantation surgery, the incision procedure, full periosteal flap, implant positioning, generation of the implant bed, suturing techniques, and follow-up after surgery are illustrated in a systematic fashion.

Maxillary sinus surgery ; Augmentation of severely atrophied Maxilla & mandible .

The documentation, which may include protocols, models, slides, video-documentation, and statistics, will be critically analyzed.

Session keys:

- * how to integrate Implants in daily practice.
- * Immediate, delayed immediate, and delayed implant placement.
- * Systematic implant placement procedure: step-by-step.
- * Implementation of the treatment plan.
- * Incision procedure.
- * surgical applied Anatomy & Radiology .
- * Applied bone biology .
- * Full periosteal flap.
- * Principles of bone preparation and osteotomy.
- * Concept of osseointegration .
- * Exact implant insertion.
- * GBR and further measures (sinus elevation, distraction) – illustration.
- * Immediate loading.
- * Augmentation materials (bone replacement, membrane, PRP, BMP) – illustration.
- * Dissection techniques (hands-on).
- * Evaluation of bone quality and quantity. Implant positioning (distances interimpl./ teeth and contact point/bone profile).
- * Early phase complications.
- * Orthointegration .
- * Intraoral bone grafting.
- * surgical complications .
- * Surgical management of posterior maxilla , sinus lift .
- * Surgical management of posterior maxilla , alternatives to sinus lift .
- * Ten Commandments in Implant dentistry
- * Documentation (entries, surgery reports, casts, X-rays, CT, photographs, slides).

Implantation and Surgical Procedures in the Daily Practice

Day 1

Time	Topic
9:00 - 10:30	How to Integrate Implants in Your Daily Practice?
10:30 - 11:00	Coffee Break
11:00 - 12:00	Applied Bone Biology
12:00 - 13:00	Applied Anatomy and Radiology
13:00 - 14:00	Concept of Osseo integration
14:00 - 15:00	Lunch Break
15:00 - 16:30	Surgical Technique in Implant Dentistry
16:30 - 17:00	Coffee Break
17:00 - 18:00	Immediate Loading
18:00 - 19:00	Ortho-Integration

Day 2

Time	Topic
9:00 - 10:30	Surgical Management of the Posterior Maxilla :External Sinus Lift
10:30 - 11:30	Surgical Management of the Posterior Maxilla: Alternatives to External Sinus Lift
11:30 - 12:30	Friday Pray time and Coffee Break
12:30 - 13:15	Intraoral bone grafting
13:15 - 14:00	Surgical Complications
14:00 - 15:00	Lunch Break
15:00 - 16:30	Ten Commandments in Implant dentistry
16:30 - 17:00	Coffee Break
17:00 - 18:30	Ten Commandments in Implant dentistry
18:30 - 19:00	EXAM

SESSION FIVE

(DAYS 9 and 10)

5. Special Aspects of Prosthetics in Implantology

The prosthetic requirements of implants are particularly high. Important decisions concerning this issue are taken early, while discussing and designing the therapy with the patient. A reasonable balance must be established between the patient's expectations and the available options provided by Implantology-prosthetics. Knowledge of function as an integral part of complex therapies is an important parameter in this context.

Session keys:

- *Systematic implant prosthetics.
- *Study casts, diagnostic wax-up, implant positioning, design of complex therapies, number of implants required for different solutions.
- *Systematic implant prosthetics.
- *Immediate loading.
- *Prosthetic management.
- * single tooth replacement.
- *partial tooth replacement.
- * total tooth replacement.
- *Hybrid prosthesis.
- *Permanent dental restorations.
- *Cemented, screw-retained, bar and telescopic restorations.
- * Practical procedure.
- *Impression techniques open and closed.
- *Fitting-in, insertion, long-term control.
- *Prophylaxis program/Recall.
- *Discussion, team work, evaluation/exam to test achievement of educational objective.
- *Implant-specific dental technology solutions.
- *Cementing, screw connection, latch-type, retaining attachment and other attachments.
- *Prosthetic management of maxilla.
- *Prosthetic complications.
- *Maxillofacial deformities.
- *TMJ related aspects in Implantology.
- *Hygienic aspects of the superstructure.
- *Complications: screws loosening or breakage, prosthesis breakage.
- *Management of prosthetic errors.
- *Static aspects of implant prosthetics.
- *Design exercises.
- *Discussion, team work, evaluation/exam to test achievement of educational objective.

Special Aspects of Prosthetics in Implantology

Day 1

TIME	TOPIC
9:00 – 10:30	Treatment planning <ul style="list-style-type: none"> • The implant team and the role of the prosthodontist • Patient Selection • Treatment planning considerations <ul style="list-style-type: none"> ○ Number of implants ○ Length, diameter and position of implants from a biomechanical point of view ○ Temporization (selection and construction of temporary restoration for different prosthetic conditions)
10:30 – 11:00	COFFEE BREAK
11:00 – 12:30	<ul style="list-style-type: none"> • Surgical guides <ul style="list-style-type: none"> ○ Treatment planning and importance according to condition ○ Types / selection ○ Step by step construction of different surgical guides
12:30 – 14:00	Single tooth restorations <ul style="list-style-type: none"> • Specific treatment planning considerations • Prosthetic construction of screw retained and cement retained restorations <ul style="list-style-type: none"> ○ Impression techniques (direct / indirect) ○ Types of abutments for screw and cement retained restorations ○ Considerations for proper abutment selection for screw and cement retained restorations ○ Step by step detailed prosthetic construction
14:00 – 15:00	LUNCH BREAK
15:00 – 16:30	Esthetic considerations in implant restorations <ul style="list-style-type: none"> • Concepts for achieving proper esthetic results • Specific considerations for achieving optimal esthetic results • Significance and methods of achieving a restoration with proper emergence profile
16:30 – 17:00	COFFEE BREAK
17:00 – 18:00	Multiple tooth restorations <ul style="list-style-type: none"> • Specific treatment planning considerations <ul style="list-style-type: none"> ○ Connecting natural teeth to implants <ul style="list-style-type: none"> ▪ Problems ▪ Specific considerations / different philosophies
18:00 – 19:00	PROSTHETIC WORKSHOP <ul style="list-style-type: none"> • Demonstration of direct / indirect impression techniques • Types of abutments • Step by step lab procedures for single tooth, multiple teeth, full arch and overdenture construction (screw / cement retained)

Day 2

TIME	TOPIC
9:00 – 10:30	Multiple tooth restorations <ul style="list-style-type: none"> • Prosthetic construction of screw retained and cement retained restorations <ul style="list-style-type: none"> ○ Types of abutments for screw and cement retained restorations ○ Considerations for proper abutment selection for screw and cement retained restorations ○ Step by step detailed prosthetic construction
10:30 – 11:00	COFFEE BREAK
11:00 – 12:30	Fixed Full arch restorations <ul style="list-style-type: none"> • Specific treatment planning considerations <ul style="list-style-type: none"> ○ Selection of number and position of implants ○ Ceramometal restorations versus fixed detachable (hybrid) restorations ○ Cantilevers <ul style="list-style-type: none"> ▪ Biomechanical considerations ▪ Determination of proper length and design ○ The all on 4 concept <ul style="list-style-type: none"> ▪ Philosophy ▪ Advantages ▪ Disadvantages ▪ Indications ▪ Step by step clinical procedures • Prosthetic construction of screw retained and cement retained restorations <ul style="list-style-type: none"> ○ Types of abutments for screw and cement retained restorations ○ Considerations for proper abutment selection for screw and cement retained restorations ○ Step by step detailed prosthetic construction ○ Occlusal considerations
12:30 – 14:00	Implant overdentures <ul style="list-style-type: none"> • Specific treatment planning considerations <ul style="list-style-type: none"> ○ Indications , advantages, disadvantages ○ Selection of number and position of implants ○ Types of attachment mechanisms and choice between them ○ Occlusal considerations
14:00 – 15:00	LUNCH BREAK
15:00 – 16:30	<ul style="list-style-type: none"> • Prosthetic construction <ul style="list-style-type: none"> ○ Step by step construction of bar retained overdentures using different abutments ○ Step by step construction using unsplinted attachment mechanisms (o-rings / locators) ○ The use of one piece flapless implants for immediately retaining overdentures
16:30 – 17:00	COFFEE BREAK
17:00 – 18:00	Maintenance and follow up for long term success Complications and failure associated with prosthetic construction <ul style="list-style-type: none"> • Causes • Prevention • Management
18:00 – 19:00	EXAM

SESSION SIX

(DAYS 11 AND 12)

6. Soft Tissue and Bone Management

In the majority of implantological therapies, the anatomical status calls for bone- and soft tissue-altering measures. The methods of bone augmentation and soft tissue-improving interventions that are relevant to the daily practice will be illustrated in a systematic fashion. A description of the relationships between these procedures and the red and white aesthetics will conclude this weekend session.

Session Keys:

Periodontal Treatment in relation to Implant dentistry

- * Periodontal disease and treatment
- * Furcation management
- * Oral plastic surgery

Bone Augmentation techniques

- * Guided Bone regeneration
- * Autogenous Bone Graft (Chin/Ramus block graft)
- * inus Augmentation
- * Distraction osteogenesis
- * Augmentation materials (bone, membranes, fixation screws).
- * Guided tissue regeneration in periodontics
- * Extraction socket preservation/augmentation
- * Extraction and immediate implant placement
- * Flapless vs. flap techniques

Implant in the Esthetic zone

- * Single tooth replacement
- * Esthetic Crown Lengthening
- * Muccogingival surgery
- * Soft tissue management for better esthetics
- * Immediate implant placement and immediate restorations
- * Treatment plan of complex cases
- * Management of implant complications in the esthetic zone
- * Sliding flaps
- * Mucosal and connective tissue transplant
- * Recession coverage

Soft Tissue and Bone Management

Day 1

Time	Topic
9:00 - 10:30	Modern Periodontal Therapy
10:30 - 11:00	Coffee Break
11:00 - 12:00	Esthetic Periodontal Surgery
12:00 - 12:30	Friday Prayer time
12:30 - 14:00	Soft Tissue Grafts
14:00 - 15:00	Lunch Break
15:00 - 17:00	atraumatic Extraction
17:00 - 17:30	Coffee Break
17.30 - 19:00	Implant Site Preservation

Day 2

Time	Topic
9:00 - 10:30	Single Tooth Replacement
10:30 - 11:00	Coffee Break
11:00 - 14:00	Esthetic Implant Dentistry
14:00 - 15:00	Lunch Break
15:00 - 17:00	Horizontal Ridge Augmentation
17:00 - 17:30	Coffee Break
17:30 - 19:00	Vertical Ridge Augmentation
19:00 - 19:30	EXAM

SESSION SEVEN

(DAYS 13,14,15)

7.. EMERGENCIES; ANESTHESIA; PHARMACOLOGY

The focus of this weekend session is on reinforcing the knowledge on general medicine as a surgeon, how to deal with emergencies, anesthesia and sedation techniques, all commonly used drugs in oral surgery. The participants will be given their second opportunity in the course of the curriculum to practice on human specimens and how to do a CPR. Another focus of the weekend session is on the significance of the cooperation of in-patient and ambulatory treatment and with one Extra day for all prosthetic stages & Navigation to focus on the communication between the Dentist & laboratory technicians & train the technicians of the participants .

Session keys:

I. THEORY

A. PAIN AND ANXIETY CONTROL

Local Anesthesia

Neurophysiology of local anesthetics

Pharmacology of local anesthetics

A quick review of the techniques for maxillary anesthesia

A quick review of the techniques for mandibular anesthesia

Complications: local and systemic

Sedation / General Anesthesia

Stages of anesthesia

Routes of drug administration

Physical and psychological evaluation of patients

Types of sedation

A. Oral, rectal, sublingual, transdermal, intranasal, intramuscular

B. Inhalational – e.g. Nitrous oxide

C. Intravenous – Venipuncture: Anatomy and Technique

D. Pharmacology (Benzodiazepines, opioids, barbiturates, ketamine, antidotal drugs)

E. Complications of intravenous sedation

General Anesthesia

A. Advantages / Disadvantages

B. Indications / Contraindications

C. Types, drugs and techniques

B. MEDICALLY COMPROMISED PATIENTS

Cardiovascular disease (angina, MI, hypertension, congenital heart disease, valvular heart disease)

Respiratory disease (asthma, COPD, emphysema)

Neurological disorders (seizure, CVA, cerebral palsy, Down syndrome, schizophrenia)

Renal Disease

Liver Disease

Metabolic disease (diabetes, porphyria..)

Hematologic disease (anemia, hemophilia..)

C. PHARMACOLOGY IN IMPLANTOLOGY

Pre-operative: prophylactic antibiotics

Post-operative: analgesics, antibiotics, mouthwash

D. MEDICAL EMERGENCIES

Emergency equipment and medication

Unconsciousness

Respiratory distress (shortness of breath, asthmatic attack, airway obstruction)

Altered consciousness

Chest pain

Cardiac arrest

Allergic reaction

Emergency equipment and medication

II. APPLICATION

A. EQUIPEMENT TRAINING

IV set up

CPR board

Oral/pharyngeal airway blocks

Pulse-oximeter

Blood pressure

B. CPR

Multiple stations with two participants per station will be organized. There will be two participants per station. All participants will have the chance to practice CPR.

C. CASE SCENARIOS

Multiple stations with two participants per station will be organized. There will be two participants per station. All participants will have the chance to simulate common medical emergencies. These include chest pain, vaso-vagal response, Hypo/Hyperglycemia, asthmatic attack and anxiety attack.

CPR = Cardio pulmonary resuscitation

GA = General Anesthesia

LA = Local Anesthesia

ME = Medical Emergencies

MCP = Medically-compromised patient.

EMERGENCIES; ANESTHESIA; PHARMACOLOGY

Day 1

Time	Topic
09:00 – 09:15	Introduction to the course
09:15 – 10:30	LA (physiology ; pharmacology)
10:30 – 11:00	LA (maxillary techniques
11:00 – 12: 00	Coffee Break
12:00 – 13:00	LA (mandibular techniques)
13:00 – 14:00	LA (Complications)
14:00 – 15:00	Lunch Break
15:00 – 16:30	MCP
16:30 – 17:00	Coffee Break
17:00 –19:30	Pharmacology & Implantology

Day 2

Time	Topic
09:15 – 10:30	ME
10:30 – 11:00	GA
11:00 – 11: 30	Coffee Break
11:30 – 12:30	Intravenous (anatomy)
12:30 – 14:00	Intravenous (technique)
14:00 – 15:00	Lunch Break
15:00 – 16:00	sedation
16:00 – 16:30	CPR
16:30 – 17:00	Coffee Break
17:00 – 18:00	CPR + I.V (hands on)
18:00 – 19:00	EXAM

SESSION EIGHT
(DAYS 16,17,18)

8. Innovative Procedures and Techniques in Implantology

Innovative Procedures and Techniques in Implantology		
Dr. Mazen Tamimi (DGZI International President) Dr. Rolf Vollmer (1. Vice-presidentent DGZI) Dr. Rainer Valentine Dr. Roland Hille		
Day 1		
Time	Topic	Speaker
08:30 – 09:30	Welcome and gathering	All speakers
09:30 – 10:30	Aesthetic complications and failures in the pre maxilla	Prof. Dr. Tamimi
10:30 – 11:00	Coffee Break	
11:00 – 11:45	Treatment of the severely atrophied mandible (Part I): Autogeneous block grafting	Prof. Dr. Valentin
11:45 – 12:30	Treatment of the severely atrophied mandible (Part II): Manipulation of the Inf. alv. nerve	Prof. Dr. Vollmer
12:30 – 13:00	Treatment of the severely atrophied mandible (Part III): Distraction osteogenesis	Prof. Dr. Valentin
13:00 – 14:00	Design of large-scale, “complex” implantology procedures with special reference to the prosthetic part of the therapy	Prof. Dr. Vollmer
14:00 – 15:00	Lunch Break	
15:00 – 16:00	Successful implant management in the esthetic zone	Prof. Dr. Hille
14:00 – 16:30	Platform switching	Prof. Dr. Vollmer
16:30 – 17:00	Coffee Break	
17:00 -17:30	Tissue expansion techniques in surgery	Prof. Dr. Tamimi
17:30 – 18:30	Micromotion & Macromotion around dental implants	Prof. Dr. Tamimi

Day 2

Time	Topic	Speaker
9:00 - 9:45	Simultaneous sinus floor elevation and implant placement in the presence of little alveolar ridge height using the splinting technique	Prof. Dr. Valentin
9:45 – 10:45	Alternatives to Sinus floor elevation	Prof. Dr. Vollmer
10:45 – 11:15	Coffee Break	
11:15 – 12:30	Immediate implant placement: advantages – prerequisites – criteria. Loading protocols and prosthetic concepts for implant supported constructions.	Prof. Dr. Hille
12:30 – 13:00	. Peri implantitis	Prof. Dr. Hille
13:00 – 13:30	The Bone Splitting Technique	Prof. Dr. Tamimi
13:30-14:30	Navigaion and 3D planning	Prof. Dr. Tamimi
14:30 - 15:30	Lunch Break	
15:30 - 16:30	Zirconium in prosthetics. Prefabricated telescope crowns	Prof. Dr. Vollmer
16:30 - 17: 00	Coffee Break	
17:00 - 18:00	Discussion of the curriculum, continued education, professional focus. Specialist and Expert examination, Master degree requirements.	Prof. Dr. Tamimi
18:00 - 19:00	SESSION EXAM	Prof. Dr. Tamimi Prof. Dr. Hille

*** Clinical Training :-**

Effective as of 9.November.2010

- Each participant should participate in 4 internship Implant cases (Hospitation) as a first assistance for the supervisor (Maximum 2 students per case) .

- Each participant should perform him / her self two Implant surgeries under the supervision of the qualified supervisor & to document his/ her case according to the case documentation form.

Day 3

Final Examination and Graduation Ceremony

09:00 – 11:00

FINAL WRITTEN EXAM

12:00 – 14:00

FINAL ORAL EXAM (4 STATIONS)

19:30

GRADUATION CEREMONY & HANDLING OF CERTIFICATES

For qualified participants

Rules Of GBOI

1. you must score minimum **70%** of the final Written exam , **50 POINTS**
2. you must score minimum **50%** of the final Oral exam , **25 POINTS**
3. 8 sessions, short exams , **25 POINTS**

NOTE :

- Each student must fulfill the following clinical requirements , as part of the Practical Training Part :
 - ✓ **Four** Internship Cases , Surgery or Prosthetic stage
 - ✓ **Two** Supervision Surgeries .
- GBOI Case Documentation Form , must be filled for all Internship & Supervision Cases Printed , and stamped by the supervisor , prior to the final exam .
- Each participant will score 200 CE points by completing the GBOI Curriculum .

Wish You All Good Luck