



**YOUR CHANCE
TO BE MORE
SUCCESSFUL IN
YOUR OFFICE!**

TRAINING PROGRAM

of the German Association of Dental Implantology–DGZI

TIME-SAVING–EFFICIENT–INNOVATIVE

- | The accredited E-Learning Program Curriculum Implantology DGZI
- | The accredited Program Curriculum Implantology DGZI as a license version
- | Expert implantology DGZI of the consensus conference (CC) Germany
- | Master of Science in Oral Implantology & Dental Surgery
- | Specialist Implantology DGZI

**STUDY NOW COMFORTABLY WITH
E-LEARNING MODULES FROM HOME!**

Office International Relations

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DEAR COLLEAGUES,

The German Association of Dental Implantology (DGZI) established and registered in 1970 is the oldest Dental Implantology Association in Germany and Europe and represents in their more than 45 years of history practice-oriented and science-based implant dentistry and has set standards in oral implantology in Germany, Europe, Asia, Africa and Middle East. The German Association of Dental Implantology (DGZI) is a non-profit association active in the field of dental implantology. DGZI is focusing its activities on the continuing education and training of dentists active in the field of dental implantology in Germany and abroad. The goal of these activities is to improve both quality and quality assurance as well as the safety of therapies in the interest of patients on the one hand, and providing factual information on existing and new therapeutic possibilities of implant-based tooth replacement on the other hand. Cooperation with international universities and professional associations at home and abroad serve to support these objectives. Our DGZI - GBOI program as a continuing educational / post graduate program is running in Germany for more than 15 years.

In addition to numerous scientific trainings and projects we always actively support our colleagues, dental technicians and the entire team with a premise of a professional association

founded in 1970. With more than 4,000 members in Germany and more than 13,000 cooperative members worldwide, the DGZI is the international best networked implant specialist associations in Germany. As a modern professional company we offer not only support of scientific projects but also a variety of training concepts and postgraduate training structures for the entire dental team. The international annual conference is the highlight in the implantology training landscape and beyond the borders of DGZI member's integral part of the training calendar a variety of national and international dentists and their teams are established. Since 2002, the German Board of Oral Implantology (GBOI), also initiated by the DGZI, offers its training with special designed curricula to dental colleagues from around the world.

The international qualifications **"Expert in Oral Implantology"** and **"Specialist in Oral Implantology"** are traditionally tested on the day before the annual conference and are accompanied by an international advisory and review team.

With over 350 „Specialists Implantology DGZI“ DGZI has a great potential of highly qualified practitioners in dental implantology, that set highest standards throughout Germany and Europe in their practices. DGZI offers the know-how to integrate scientific results in the short term in everyday

practice by the close connection to the award of research projects with universities.

Basis of each qualified implant training is the Curriculum Implantology DGZI, which is fully recognized by the German Consensus Conference (CC) Implantology. Starting from 2014 it has a new, time-saving and innovative concept e.g. with E-learning modules and revised compulsory modules. The curriculum of DGZI is one of the most successful curricula within the Consensus Conference (CC) Implantology for more than 15 years. The current Curriculum implantology of DGZI today is an essential basis for the qualification of young dentists in Germany, Europe and international as well.

The so called "Expert in dental implantology" and "Specialist in dental implantology" are credentials for patients on the search for a suitable practitioner and have a high priority and reputation.

Under the umbrella of the DGZI a Master of Science (M.Sc.) in Oral Implantology & Dental Surgery is offered after successful completion of the program. By recognizing the curricular training of DGZI in the master's program the participants save time not only but are also cost-effective - two absolutely important arguments in any professional education.

The innovation power of the DGZI also finds ex-

pression with the "team approach". The close cooperation with dental technicians and dental hygienists is an important part of our modern and successful treatment concept.

In the here presented training program we have not only recorded the possibilities of the participants professional development, but in particular a concept of personal professional development in oral implantology. If you start with the curriculum, you can continue to the "Expert in dental implantology" (CC) and a "M.Sc. in Oral Implantology & Dental Surgery" as well as a "Specialist Implantology DGZI".

The DGZI accompanies and promotes you on the way to your practice success!

For your questions and suggestions our DGZI-Board team and the speakers are at your disposal! Enjoy and have interesting impressions in the study of the current DGZI training programs.

Your
DGZI-German Association of Dental Implantology
Board of Directors

Prof.* Dr. Hille
Prof.* Dr. Valentini
Prof.* Dr. Vollmer

*Faculty of Oral and Dental Medicine Cairo University

COMMITTED TO SCIENCE

The members of our association claim this goal and the commitment to scientific orientation is closely anchored in the bylaws of our association. So already in the early 90th the "Scientific Advisory Board (WIB) DGZI" was called to life. It is existing for almost 25 years now under leadership of Prof.* Dr. Roland Hille and, staffed with teachers and established associates, has made its obligation to promote oral implantology. We would like to remind the fact that the DGZI in 1992 was the relevant engine for the introduction of computed tomography in the area of dental implantology (Simplant® System) in Germany. This was an implant analysis form that up to this time was known only in the United States.

But also we have to remember many other research projects with universities like Tübingen, Göttingen, Munich, Hamburg, Bochum, Greifswald, Marburg, Düsseldorf and Universities in Spain, Argentina, Peru and Uruguay. The support and the variety of these projects clearly show the scientific orientation of our association nationally and internationally.

Although basic research is undoubtedly a focus and the domain of universities by working together with dental implant specialized colleagues our association allows an enormous potential for scientific research and data collection.

Again, this has already been DGZI demonstrated

by varies field studies. We have requests immediately to the Scientific Advisory Board of our association both from universities as well as established colleagues in their private offices.

The Scientific Advisory Board of the DGZI began a new chapter in 2004 when we introduced a high research award called the "DGZI Implant Dentistry Award". This award is the logical consequence from years of scientific work of our association representing the national and international scientific orientation of DGZI. The last years of scientific research were committed to topics like heat dissipation during bone drilling, Finite Element Studies on concepts like "All-on-4®" and Students Award.



The **E-LEARNING CURRICULUM DGZI**

INTERVIEW WITH THE DGZI VICE-PRESIDENT PROF.* DR. ROLAND HILLE

The "Curriculum Implantology" of the German Association of Dental Implantology (DGZI) has set standards already. DGZI created the first and so far only high-quality review and credentials for dental implantologists in Germany already in 1992, the so called "Active Membership Examination" today known as the "Specialist Implantology–DGZI" exam. The Curriculum Implantology DGZI was developed and established originally in 1998. Starting from 2014 DGZI is again setting a striking emphasis in the educational landscape of dentists working with dental implants: In cooperation with internationally renowned partners the DGZI modified its curriculum to integrate E-learning modules that allow dentists in Germany and abroad to complete around 30 percent of the curriculum online.

So we have created a new standard in the field of E-learning implementing both content and university continuing education and a knowledge portal as well as logistically more than 10 years of experience across a wide range of know-how. The DGZI can thus offer with their newly designed E-learning curriculum a both scientifically and technically enormous high standard for our colleagues.

The DGZI is convinced that the synergies for the colleagues is a key advantage in the field of a postgraduate implantological training.

Hille: The Curriculum Implantology DGZI now con-

sists of eight compulsory modules. Three compulsory modules are now E-learning modules and five compulsory modules are class lectures with a workshop character, in which the E-learning knowledge is perfected by practical exercises. From this point the practical and hands-on components can be taken into account much stronger in the field of education. They are based on the priority interests of colleagues and go from intensive practical exercises to geriatric dentistry under implantological and prosthetic aspects.

Why it is important for you to offer so-called "E-learning modules" next class lectures and setting accents in the further education in the field of dental implantology?

Hille: A modern implantology training, which meets the wishes and needs of our colleagues at a high level, has always been a major concern for the DGZI. The DGZI has influenced and shaped the curricular implant training in Germany since 1998, so for more than 17 years. The curriculum is fully recognized by the German Consensus Conference Implantology, and can lead to the "Expert or Specialist in Dental Implantology" as a credential and is also an important component of the study program "Master of Science in Oral Implantology and Dental Surgery" that we offer. E-learning enables colleagues an independent and individualized

learning by self-determining time and place. We hereby meet according to our analysis a core requirement especially of the younger colleagues, since the technology affinity increases and the time especially free time factor plays an increasingly important role in our society.

Learning, if you desire and have time, has proven to ensure a better learning success and we want to use this for the good of our colleagues. This also applies for the tests. Again, we offer the greatest possible individuality. The participant asks via e-mail for the release of the exam, if he feels "fit" and ready. As you can see, more flexibility is hardly possible.

You announced at the press conference "real E-learning content". What is it composed of? What forms of representation are chosen for what content? Are there interactive areas?

Hille: Already in 2003, the complex E-learning platform E-med was developed on the basis of a content management system, a structured representation of content in a didactically edited form on the internet as well as the communication possibility on a suitable platform representing the highest priority. Extensive picture material is integrated to illustrate the theoretical content. A clear representation is ensured by a specially designed web interface for this application. Special functions provide participants with a comfortable working from home. In addition, online exams provide an opportunity for controlling your own learning progress. A closed forum for participants enables a professional exchange with the support of tutors and teaching staff. The platform was and is constantly extended by current web technologies. These include the integration of a virtual seminar room, live video, etc.. The content is constantly updated professionally, so that the course participants will be always informed about the latest developments and techniques. The system was and is constantly extended by new features. Just some of the built-in functions are a complex user administration, like database-driven performance man-

agement, evaluation, analysis, chat, calendar management, learning level determination, group and team work over the internet and moderated work. A web conference software is implemented. This software has features that show events such as lectures or seminars with active participations online (webinars).

How is the learning success of the E-learning modules controlled? What technical requirements must be met for successful participation?

Hille: To access the training system, the participants will need internet access. Due to the extensive multimedia material, a DSL connection is recommended. Each participant will receive a login, on which the access to the course content is granted. The E-learning modules are divided into lessons that will be released at intervals in the Internet. To check their skills the students are provided with online tests in the form of multiple-choice questions. The three E-learning modules are finalized with an online exam. After failing the exam, it is possible to repeat exam on request.

Within the master program "Oral Implantology and Dental Surgery" the Curriculum Implantology is recognized. What does this mean in a nutshell?

Hille: Specifically, this means both a reduction of the workload and the presence of phases as well as a cost reduction. So, the basic modules of the Master's program as well as some sections of the implant basics are recognized and thus lead to a cost reduction of the fee of the Master's program.

Since which time is the very first E-learning module of DGZI curriculum online?

Hille: The DGZI is proud to offer its E-learning curriculum from the 01.01.2014 to the colleagues as the first implant specialist association in Germany.

Thank you very much Dr. Hille for the interesting information!

*Faculty of Oral and Dental Medicine Cairo University

GERMAN BOARD'S MISSION

Dental implantology is a discipline in dentistry which has experienced the most significant and dramatic developments in the past 20 years.

The German Board of Oral Implantology (GBOI) examination procedures (Curriculum Implantology, Expert in Implantology, Implantology Specialist - DGZI) evaluate the profoundly knowledge, expert skills, and special talent required for practitioners to provide comprehensive, safe, and effective oral implant therapy solutions for the patients.

One important task laid down in the statutes of DGZI is to provide the patient with objective and independent information about implant dentistry. The German Board of Oral Implantology is an inde-

pendent organization that is sponsored by the German Association of Dental Implantology. The

Board's mission is to elevate the standards, and to advance the science and art of dental implantology by encouraging its study and improving its practice.

The GBOI (Reg. No. 302 09 491: "GBOI – German Board of Oral Implantology") is chartered since 2002 by the German Association of Dental Implantology (DGZI).



In fulfilling its purpose and objectives, the GBOI follows the German Dental Association's requirements like Federal Chamber of Dentists (BZÄK) / German Association of Oral and Maxillofacial Dentistry (DGZMK), German Consensus Conference (CC) which are the most important scientific associations of dental and oral implantology including DGZI.



INTERNATIONAL CURRICULUM DGZI

THE GBOI PROGRAM DIRECTORS (GERMANY)

Prof.* Dr. Rolf Vollmer

1. Vice-president, Treasurer of DGZI, International Relations

Prof.* Dr. Roland Hille

2. Vice-president and Chairman Scientific Board of DGZI

Prof.* Dr. Rainer Valentin

Board member and Educational affairs of DGZI

*Faculty of Oral and Dental Medicine Cairo University

DGZI/GBOI offers different modules of scientific based implantology around the world. There are a different concepts to get these diplomas in oral implantology. Every program includes supervision and hospitation in specialized clinics or universities in different countries. More than 800 international colleagues and more than 2000 dentists in Germany already got the credentials of the scientific based DGZI/GBOI curriculum. Don't hesitate to contact us!

OPTION I

COMPLETE PROGRAM IN GERMANY

Including the E-learning modules
(English as the teaching language)

With the realignment and restructuring of the Curriculum implantology DGZI participants have for the first time the opportunity, to complete a curriculum that is fully recognized by the Consensus Conference (CC) Implantology and within calculable costs, that is not only flexible, but also time saving.

Key points of the new E-learning Curriculum Implantology DGZI:

**3 E-learning modules +
5 Compulsory modules as presence courses**

These are held at various locations in Germany. Course hours are Friday and Saturday or might be organized on request as one week courses. The compulsory modules are binding on the completion of the curriculum in each case. Your completed curriculum modules are partially recognized for the continuing master program. Savings in time and costs!

Minimum number of participants: 25.

E-LEARNING MODULE 1

GENERAL DENTAL AND ORAL SURGICAL BASICS

- Surgical anatomy of the head and neck region
- Imaging techniques
- Preoperative preparation
- Risk patients, local anesthesia, analgesia, sedation
- Surgical basics
- Complications
- Odontogenic infections
- Traumatology of the teeth and jaw

E-LEARNING MODULE 2

IMPLANTOLOGICAL BASICS I

- Dental implants
- Implantation and loading modes
- Implant types
- Diagnosis and planning
- Initial consultation and pre-implantation diagnosis
- Number of implants required
- General pre implantological diagnostics
- Single tooth gaps
- Temporary restoration of single tooth gaps
- Broken teeth and partially edentulous jaw
- Edentulous jaw
- Possible restoration of the edentulous mandible
- Implant prosthetics
- Biomechanical considerations
- Anchoring and connection elements (attachments)
- General principles of operation
- Preparation and incision
- Individual steps of implantation
- Healing periods
- Introduction to augmentation

E-LEARNING MODULE 3

IMPLANTOLOGICAL BASICS II

- Materials for bone replacement and augmentation
 - Introduction and terminology
 - Alloplastic bone and bone substitute materials
 - Platelet Rich Plasma
- Bone harvesting and transplant basics
 - Donor regions intraorally
 - Donor sites extraorally
 - Microvascular anastomosis bone grafts
- Onlay grafts
 - Secondary implantation after bone reconstruction
 - Local bone augmentation after extensive bone loss in the maxilla
 - Local bone augmentation after extensive bone loss in the mandible
 - Edentulous jaw augmentation

The DGZI offers within their compulsory modules an exceptional training experience. Important notice: It is assumed that the E-learning modules are completed in order to avoid a lack of knowledge and resulting delays during the practical training.

COMPULSORY MODULE 1

SPECIAL IMPLANT PROSTHETICS

Learning objectives

The participants master the systematic planning of implant prosthetic restorations in partially edentulous and fully edentulous maxilla and mandible with special emphasis on differential indication of different concepts. They are applying detailed knowledge about benefits, disadvantages, indications and dental technological

aspects of attachment elements for removable dentures and fixed restorations. The participants know the specific treatment processes, design variations, gradients and recovery and follow-up treatments.

Proposed topics

- Prosthetic components of implant systems (classification, post-abutment connections)
- Principles of planning in partially edentulous arch

Terms implant-prosthetic planning

- Questionable teeth—extract or keep
- The number and position of the implants
- Fully implant-supported—or dental implant-supported
- Strategic pillar for removable dentures

Special planning

- Collaboration with surgeon and dental technician
- Planning documents for 2D and 3D design
- Implant prosthetic concepts in the edentulous maxilla and mandible
 - Fixation types for removable dentures (bridge types, bars, telescopes, anchor, ball, Locator, etc.)

- Special aspects of fixed prosthetics
- Dental technological aspects
- Differential indication
- Clinical and dental procedures
- processes, recovery measures, follow-up treatments
- Implant supply with various implant systems
 - Impression (open, closed), model production
 - Jaw relation
 - Try-in (scaffolding, raw brand ceramic)
 - Insertion, occlusal adjustment
 - Digital Workflows
- Practical implant prosthetics exercises on a phantom
- Immediate loading, immediate restoration, progressive bone loading

Written learning success test

COMPULSORY MODULE 2

HARD AND SOFT TISSUE MANAGEMENT

Learning objectives

Practical training at the highest level on high-tech phantom heads. Hard and soft tissue are the main focus of this patient simulation. Here you are prepared for everyday practice. Under the guidance of specialists, you can learn more about the full range of dental implantology including hard and soft tissue manipulation and do it yourself. In the carefully from the DGZI selected dental training institute various situation from the daily implantological work are planned, simulated and practical training on duplicates of real patient cases. The working places are according with a surgical - set implantology practice in terms of hygiene, etc. They are fully equipped

with physiodispensers, micro motors, suction, monitoring and the corresponding instruments and materials (e. g. implantology kits). There are both appropriate models with artificial mucosa and periosteum provided as well as radiographs of the cases for evaluation and planning. The maxillary sinus and the course of the inferior alveolar nerve are shown and labeled. After a short theoretical introduction by the speakers, the individual steps are shown in a live demonstration and transferred to the workstations so that each step can be practiced Step-by-Step by the participants. To strengthen the team spirit everyone is working in pairs of two.

Proposed topics

The main issue is the practical training following techniques:

- Planning and implementation of complex treatment cases
- Surgical procedure and incision
- Implantation techniques:
 - Spreading, splitting, condensing
- Principles of soft tissue surgery
 - Primary wound closure
 - Various techniques for implant exposure
 - Papilla forming technique
- Advanced soft tissue surgery in implantology and augmentation surgery/correction of soft tissue deficits

- Principles of pathophysiology of bone transplants
- Intra-oral bone harvesting techniques
- Augmentation procedures/lateral and onlay bone graft block
- Membrane techniques to stabilize bone substitute materials
- Sinus floor elevation techniques/ open and closed
- Complications management

Written learning success test

COMPULSORY MODULE 3

ANATOMY COURSE WITH PRACTICAL EXERCISES ON SPECIMENS

Learning objectives

The focus of this weekend session is on head and neck anatomy. Applied surgical dental and implantological anatomy of the mouth, maxilla, mandible and related vital structures have to be discussed in details. The participants should go back to the basics of histology and embryology

in order to know exactly the development of healing of soft and hard tissues. Daily practice-relevant anatomy of oral hard and soft tissues as well as the regions with relevance of risk for dental implantology and neighboring anatomical structures will be presented.

Proposed topics

- Theoretical introduction of general surgical anatomy
- Mandible/maxilla
- Demonstration of the theory discussed
- Theory, surgical basics; presentation of the implant system, implants in the upper/lower jaw, sinus lift procedures, All-on-Four concept, bone-spreading, -splitting, -condensing; augmentation with bone grafting material, principles of bone treatment (osteotomes, drilling, heat development)
- Surgical basics; Bone harvesting and transplantation, Anatomical pitfalls

Written learning success test

COMPULSORY MODULE 4

BONE MANAGEMENT PRACTICE – TIPS AND TRICKS IN THEORY AND PRACTICE–COMPLICATIONS OF VARIOUS ORIGINS AND TREATMENT STRATEGIES

Learning objectives

Expanding dental implant treatment in the various indication classes shall also have to deal with in addition to the basic surgical techniques with more advanced surgical-implant techniques in implantology for the dedicated colleagues. The aim of the course is to continue the development of skills of the participants for general and special surgical techniques and introduce

the appropriate instrumental equipment. In the foreground this is especially the simplification of the surgical procedure also for more complex initial situations.

The course provides practical opportunities as well as tips and tricks in performing the various bone management-techniques.

Proposed topics

- Surgical basic knowledge, suture technique, plastic cover, Video-OP
- Practical exercises on pig jaws
- Sinus Lift Part 1, Video-OP
- Practical exercises sinus lift
- Sinus Lift Part 2
- Bone healing and regeneration/bone management
- Practical exercises on animal ribs, Video-OP
- Implants and General Medicine
- Pre-, peri- and post-surgical medication
- General complications
- Surgical complications
- Biological complications
- Explantation
- Forensics
- Prevent complications
- Prosthetic complications
- Treatment strategies of complex cases
- Discussion

Written learning success test

COMPULSORY MODULE 5

RADIOLOGY AND TREATMENT PLANNING

Learning objectives

Especially in the interdisciplinary therapeutic modality of dental implantology, diagnosis and planning are of crucial significance. Insufficient planning may easily become the source of many undesired problems. Practical examples are used to teach the participants a systematic approach to this aspect. X-Ray techniques (analog, digital, CBCT, CT) 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.

Proposed topics

- Introduction to the fundamentals of radiology: History, physics, technology
- Dosimetry
- Radiation exposure
- Quality assurance
- Radiation protection
- Archiving
- Data exchange
- New developments in the CBCT technology
- X-ray regulations
- Guidelines of different associations

- Introduction to the diagnosis of three-dimensional radiological records
Fundamentals of concrete diagnostic work.
- CBCT - Diagnostics in dental implantology
pre- and postoperative implant diagnostics
- CBCT and Periodontology
- CBCT and Endodontics
- Diagnostic review of the homework

Written learning success test

OPTION II

LICENSE VERSION WITH EXAMINATION IN GERMANY

License version for presence courses

German Board of Oral Implantology (GBOI)

DGZI CURRICULUM

License version for presence courses based on the DGZI-“Oral Implantology guide book”

7 weekends can be performed by local DGZI approved and accredited teachers in their own country.

The lecturers of weekends 1-7 (license version) are named and proposed by the DGZI partner organization and accredited by DGZI according to their individual standard of experience.

Minimum number of participants: 20.

COMPULSORY MODULE 1

INTRODUCTION INTO DENTAL IMPLANTOLOGY

Learning objectives

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, and different implant 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.

Proposed topics

- Quality management: Hygiene, equipment, nurses, operation, theater
- Organizational prerequisites for the performance of Dental implants (Clinic, assistance, team, instruments, and equipment requirements to insert implants,) from A to Z
- Overview: Macrostructures: materials, advantages - disadvantages
- Overview: Microstructures: Histology and biocompatibility, advantages–disadvantages
- Overview: Augmentation materials.

- Clinical indications/contraindications of dental implants.
- Overview: Anatomical critical structures.
- Medical aspects in oral implantology, general medical history, Patient instruction, medico legal aspects, risks and risk management.
- Time planning of rehabilitations with implants.
- Hands on training on one implant system.

Written learning success test

COMPULSORY MODULE 2

BASICS OF IMPLANTOLOGY AND PLANNING (RADIOLOGY)

Learning objectives

Especially in the interdisciplinary therapeutic modality of dental implantology, diagnosis and planning are of crucial significance. Insufficient planning may easily become the source of many undesired problems. Practical examples are used to teach the participants a systematic approach to this aspect. X-ray techniques (analog,

digital, CBCT, CT) 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.

Proposed topics

- Basics of dental implantology and planning using radiology
- The role of modern radiography in the field of dental implantology at different stages from diagnosis to follow up
- Computed radiography and 3 D navigation. The presence and the future
- Surgical guides different types
- Implementation of the plan
- Radiological maxillary landmarks from periapical to cone beam CT
- Radiological mandibular landmarks from periapical to cone beam CT
- Incision procedures and flap reflection
- Intraoral radiology
 - Principles and errors of periapical radiology
 - Principles of occlusal radiology
- Extraoral radiology: Principles and errors of extraoral radiology.
- Anatomical landmarks
 - related to intra oral radiology
 - related to extra oral radiology
- Advanced radiology program
 - Computed tomography (Principles, applications and how to read)
 - Cone Beam (Principles, applications and how to read Conebeam cuts)
- Differences in reconstructions between CT and CBCT
 - Anatomy related to CT and CBCT
 - Hands on and discussion of X-rays
- Basic surgical procedures
 - Flap designs
 - Suture techniques
- Hands on: How to read computed tomography cuts
- Hands on: How to manipulate reconstruction programs
- Hands on templates
- Hands on: Suturing techniques
- Discussion and teamwork

Written learning success test

COMPULSORY MODULE 3

THEORY AND PRACTICE OF IMPLANTOLOGY IN SPECIMENS (ANATOMY)

Learning objectives

The focus of this weekend session is on head and neck anatomy. Applied surgical dental and implantological anatomy of the mouth, maxilla, mandible and related vital structures have to

be discussed in details. The participants should go back to the basics of histology and embryology in order to know exactly the development of healing of soft and hard tissues.

Proposed topics

- Daily practice-relevant anatomy of oral hard and soft tissues
- Presentation of the regions with relevance of risk for dental implantology and neighboring anatomical structures
 - Mental foramen and course of the mental nerve in the lower lip
 - Course of the mandibular canal and variations thereof
- Structures of the floor of the mouth.
 - Lingual nerve – submandibular duct – sublingual gland
 - Lingual contours of the mandibular bone.
 - Anatomical landmarks
 - Mandible
 - Inferior alveolar nerve
 - Maxilla, Premaxilla
 - Incisive foramen and incisive canal with nasopalatine nerve
 - Greater palatine foramen and course of the greater palatine artery
 - Tuberosity

Key words: Embryology of the head and neck, bone tissue and neck detailed anatomy. Skull, oral cavity, nerves, muscles, facial spaces, maxillary sinus, floor of the mouth maxilla and mandible. Anatomical critical structures related to dental implants anatomy of extra oral bone graft sources and their land marks i.e. iliac crest, tibia, fibula., surgical anatomy of bone grafting applied anatomy of the skull, scalp, face, blood supply of the head and neck, the oral cavity and palate, temporal and infratemporal fossae, temporomandibular joint, nose and paranasal sinuses, submandibular triangle, submental and digastric triangles.

Written learning success test

COMPULSORY MODULE 4

IMPLANTATION AND SURGICAL PROCEDURES IN THE DAILY PRACTICE

Learning objectives

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

Proposed topics

- 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 and 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
- Evaluation of bone quality and quantity. Implant positioning (distances interimplant/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
- Documentation (entries, surgery reports, casts, X-rays, (CB)CT, photographs, slides)
- Implantation and surgical procedures in the daily practice

Written learning success test

COMPULSORY MODULE 5

SPECIAL ASPECTS OF PROSTHETICS IN IMPLANTOLOGY

Learning objectives

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 implant prosthetics. Knowledge of function as an integral part of complex therapies is an important parameter in this context.

Proposed topics

- 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 in the team–team work
- Implant specific dental technology solutions

- Cementing, screw connection, latch-type, retaining attachments 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
- Special aspects of prosthetics in implantology

Key words: treatment planning, the implant team and the role of the prosthodontist, patient selection, treatment planning considerations, number of implants, length, diameter and position of implants from a biomechanical point of view, temporization (selection and construction of tem-

porary restoration for different prosthetic conditions), surgical guides, treatment planning and importance according to patient's condition, types of implants/selection, step by step construction of different surgical guides, single tooth restorations, specific treatment planning considerations, prosthetic construction of screw retained and cement retained restorations, impression techniques (direct/indirect/open/closed), 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, esthetic considerations in implant restorations, concepts for achieving proper esthetic results, specific considerations for achieving optimal esthetic results, significance and methods of achieving a restoration with proper emergence profile, multiple tooth restorations, specific treatment planning considerations, con-

necting natural teeth to implants, problems, specific considerations/different philosophies
Prosthetic workshop

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), Multiple tooth restorations, Prosthetic construction of screw retained and cement retained restorations

Written learning success test

COMPULSORY MODULE 6

SOFT TISSUE AND BONE MANAGEMENT

Learning objectives

In the majority of dental 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 prac-

tice, 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.

Proposed topics

- 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)
 - Sinus 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
- Implants 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. Modern periodontal therapy

Written learning success test

COMPULSORY MODULE 7

EMERGENCIES–ANESTHESIA–PHARMACOLOGY

Learning objectives

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 opportunity in the course of the curriculum to practice on 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.

CPR Cardio pulmonary resuscitation
 GA General Anesthesia
 LA Local Anesthesia
 ME Medical Emergencies
 MCP Medically-compromised patient.
 CPR + I.V. (hands on)

Proposed topics

I. THEORY: Pain and anxiety control

Local anesthesia, neurophysiology of local anesthetics, pharmacology of local anesthetics, a quick review of the techniques for maxillary anesthesia and mandibular anesthesia. Physiology, pharmacology, maxillary techniques, mandibular techniques, complications.

- Pharmacology (Benzodiazepines, opioids, barbiturates, ketamines, antidotal drugs)
- Complications of intravenous sedation
- General Anesthesia
 - Advantages/Disadvantages
 - Indications/Contraindications
- Types, drugs and techniques

Complications

- Local and systemic
- Sedation/general anesthesia
- Stages of anesthesia
- Routes of drug administration
- Physical and psychological evaluation of patients

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)

Types of sedation

- Oral, rectal, sublingual, transdermal, intranasal, intramuscular
- Inhalational e.g. Nitrous oxide
- Intravenous
- Venipuncture: Anatomy and Technique

Pharmacology in dental implantology

- Pre-operative: prophylactic antibiotics
- Post-operative: analgesics, antibiotics, mouth-wash



Medical emergencies

Emergency equipment and medication, unconsciousness, respiratory distress (shortness of breath, asthmatic attack, airway obstruction), altered consciousness, chest pain, cardiac arrest, allergic reaction

II. APPLICATION

Equipment training

I.V. set up, CPR board, Oral/pharyngeal airway blocks, Pulse oximeter, Blood pressure

- CPR

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

- Case scenarios

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

Written learning success test

After successful completion of the 7 weekends (license version): The last weekend (Two days lectures and final exam) will be covered by the German Board Directors normally before or after the annual meeting of DGZI in Germany.

COMPULSORY MODULE 8

INNOVATIVE PROCEDURES AND TECHNIQUES IN DENTAL IMPLANTOLOGY

Learning objectives

The aim of this weekend is to provide the participants with the latest developments in dental implant surgery and implant prosthetics. A review of the

most important topics will be presented including a training on the final written and oral exam based on the DGZI-“Oral Implantology guide book”.

Proposed topics

- Aesthetic complications and failures in the pre maxilla
- Treatment of the severely atrophied mandible: Autogeneous block grafting
- Successful implant management in the esthetic zone
- Screw® retained/fixated/removable/The All-on-4 Concept and variations
- The SAC Concept®
- Design of large-scale, “complex” implantology procedures with special reference to the prosthetic part of the therapy
- Periimplantitis – etiology, diagnostics and treatment
- Micromotion and macromotion around dental implants
- Tissue expansion techniques in surgery
- Simultaneous sinus floor elevation and implant placement in the presence of little alveolar ridge height using the splinting technique
- Alternatives to Sinus floor elevation
- Different advanced bone improving techniques.
- Bone spreading, Bone splitting technique.
- Bone harvesting with the hollow osteotome technique.
- Short and diameter reduced implants.
- Immediate implant placement: Advantages – prerequisites – criteria.
- Loading protocols and prosthetic concepts for implant supported constructions. Prosthetic concepts for implant supported constructions.
- Navigation and 3D planning
- Discussion of the curriculum, continued education, professional focus.
- Specialist and Expert examination, Master degree requirements.

Written learning success test and training for the final exam.

Third day of weekend eight

Final Exam (Written and Oral) and handling of the Curriculum certificates (if all conditions are fulfilled see “General terms and Conditions”)

Curriculum

GENERAL TERMS AND CONDITIONS

For successful completion of the curriculum, you need only proof of internship and supervision with a dental implant treatment. You arrange this yourself with an experienced implant dentist, oral surgeon or oral and maxillofacial surgeon. The internship and supervision may be already completed during the curricular training. The attestation form serves as a proof. Any costs incurred have to be settled directly with the responsible colleagues. The cost for internship and supervision are not included in the curriculum fee.

Internship and supervision are required for successful completion of the curriculum DGZI. As part of the internship, the participants see implantations on a different scope, surgical exploration and prosthetic implant options. With the supervision the participants place at least four implants themselves under the guidance and control of the supervisor. Internship and supervision may, but need not be performed in the same practice. The supervision within the curriculum is of importance, since the participant can prove his operational capabilities, which are then also proved.

Clinical training:

- Each participant should participate in 2 internship implant cases (hospitalation) as a first assistance for the supervisor (Maximum 2 students per case).
- Each participant should perform four clinical implant cases (Minimum number of implants: four in total). Special regulations, guidelines and principles of the case documentation of DGZI – GBOI Academy have to be considered. These cases (surgery part) must be performed under the supervision of a qualified supervisor (accredited by the German board committee) to document the cases according to the case documentation form.

Rules of GBOI

1. Score minimum 70% of the final written exam out of 100 marks.
2. Score minimum 70% of the final oral exam out of 100 marks.
3. 8 session exams or 5 session exams plus three E-learning module exams must be scored minimum 60 Percent.

Regulations of curriculum participation

Content and in time may result in changes. You will receive a detailed course plan in advance, including the venue and hotel recommendation. The DGZI curriculum is based on scientific principles and experience and is the company independent. The existing guidelines (DGZMK) are taught to the participants.

Prices of the Curricula on special request.



German Association of Dental Implantology



*GBOI-Examination Board organized by the
German Association of Dental Implantology*

Certificate

The German Board of Oral Implantology

organized by the

German Association of Dental Implantology

(DGZI est. 1970)

Hereby certifies that

Dr. Max Mustermann

*has satisfactorily completed a postgraduate program in
Dental Implantology and is entitled*

Expert in Implantology - DGZI

*acc. to the DGZI guidelines after passing
the final examination of the
German Board of Oral Implantology.*

*Dr. Rolf Tollner
Chairman German Board of Oral Implantology*

*Dr. Rainer Valentin
Board Member and Director of Organization (DGZI)*

Certified January 4, 2015

Certificate No. 515-001



EXPERT IN DENTAL IMPLANTOLOGY

The quality seals of DGZI are also recognized internationally!

THE EXPERT IN DENTAL IMPLANTOLOGY CONSENSUS CONFERENCE (CC) GERMANY

If you already have fulfilled the preconditions and can present them, you can apply for the "Expert of dental implantology" Consensus Conference (CC) directly at the DGZI office. The relevant forms can be found in the chapter "Application forms" or on our website at www.DGZI.de.

Guidelines for "Expert in dental implantology" DGZI:

Certification for Expert in dental implantology acc. to the Consensus Conference:

The title "Expert" can be portrayed on the practice implantology shield and other information media (letterhead, telephone directory) only as shown on the certificate.

To apply for the certification approved dentists and doctors for Oral and maxillofacial surgery must meet the following requirements:

1. Successful participation of the so called "Curriculum Implantology DGZI-GBOI" and GBOI Examination.

2. At least three years of dental implantological activity.

3. Insertion and/or prosthetic supply of at least 200 implants or insertion and prosthetic supply of at least 70 cases per jaw, in which all indication classes must be represented.

4. Training certificates in accordance with these guidelines. As times of implantology activities also times of assistant (dental) medical activities can be recognized. Implant prosthetics is considered as an implant activity. For purely surgically active dentists and doctors for Oral and maxillofacial surgery training in dental prosthetics must be evidenced by certificates of participation in appropriate training courses with exams.

For the extension of the right to use the title "Expert in dental Implantology" the training certificates in accordance with these guidelines have to be presented.



Deutsche Gesellschaft für
Zahnärztliche Implantologie e.V.

The German Association of Dental Implantology
(DGZI est. 1970)
hereby certifies that

Dr. Max Mustermann

has satisfactory completed a program of a
Specialist Implantology – DGZI

acc. to the DGZI guidelines and passed the final examination of the
German Association of Dental Implantology



Prof. (NY) Dr. Rolf Semmler
Examination Board

Prof. Dr. Eckhard Diekert
Examination Board

Certified, Januar 1, 2015



SPECIALIST IMPLANTOLOGY–DGZI

The quality seals of DGZI are also recognized internationally!

SPECIALIST IMPLANTOLOGY–DGZI

As early as 1993 the DGZI has introduced the first and unprecedented quality inspection for dental implantologists in Germany the so called "Active Membership" exam. Ten years later the name was changed in "Specialist Implantology - DGZI" and a new quality seal was developed. The new term is more understandable for everybody and shows the patient that he is treated by qualified and certified implant dentists. Due to their high standards (i.e. 250 DGZI-approved

training hours within the last five years, at least 400 dental implantations within the last five years, presenting an operation catalogue) our quality testing not only in Germany but also internationally is recognized and also a prerequisite for an dental implant license in different countries.

The certified specialists are listed on the homepage of DGZI and named on events for the patients and patients requests.



Guidelines for the Grant of the Qualification of "Specialist Implantology–DGZI"

§ 1 Preamble

1. Based on the criteria laid out in §§ 2, 3, 4, 5, 6, 7 and 8 hereof, Deutsche Gesellschaft für zahnärztliche Implantologie (DGZI) e.V. grants to members of the society the qualification of "Specialist Implantology–DGZI".
2. The qualification of "Specialist Implantology – DGZI" may be granted only to members who meet the pertinent formal prerequisites and passed the examination of the qualification of "Specialist Implantology – DGZI".
3. In particular, the purpose of these guidelines is to serve as the basis for the determination of whether the DGZI member is in a position to provide an implantological/oral surgical treatment even in difficult clinical cases based on his or her training and continued education and the demonstrated technical qualification.
4. Equivalent qualifications obtained abroad may be recognized by decision of the executive board upon the application of a member of the board.

§ 2 Grant

1. The qualification of "Specialist Implantology – DGZI" is granted through decision of the executive board in response to an application of a member of the society and following a proposal of the examination committee (§ 3).
2. The qualification can be granted only if the member satisfies both the formal and the material prerequisites of the qualification of "Specialist Implantology – DGZI". The compliance with the material prerequisites is determined by the examination committee (§ 3) through an examination consisting of a practical and a theoretical part.

§ 3 Examination Committee

1. The examination committee consists of three individuals - chairman and first and second deputy to the chairman - and is appointed through decision of the executive board. The members of the examination committee are to be acknowledged specialists in the field of Implantology. The examination committee decides through a majority of its votes whether or not the candidate passed the examination.
2. The examination committee is in charge of organizing the practical, written and oral examination. Moreover, the examination committee evaluates whether or not the formal prerequisites of the granting of the qualification of "Specialist Implantology – DGZI" are met.
3. Candidates can challenge members of the examination committee on grounds of bias by submitting a written motion. The corresponding application must be submitted to the executive board of DGZI. The motion must be submitted and justified, accompanied by adequate evidence, immediately upon the grounds of the challenge becoming known. A motion due to concerns of bias can be accepted only if, in the view of an objective third party, there is sufficient reason to question the non-bias of a member of the examination committee. The executive board decides on the motion challenging a member of the examination committee and, at the same time, appoints a different person as serve as a member of the examination committee.
4. It is not possible to challenge a member of the examination committee after the examination is completed.
5. A complaint against the examination decision can be lodged with the executive board of DGZI within 14 days of the announcement of

the examination result. The complaint must be submitted in writing and be accompanied by any pertinent evidence. The executive board decides on the justification, if any, of the complaint. The executive board is entitled to decline the complaint or declare that the examination was passed or permit a repeat of the examination.

§ 4 Application

1. The application of a member seeking the grant of the qualification of "Specialist Implantology – DGZI" must be submitted to the central office of DGZI for referral to the examination committee. The application must be accompanied by the following documents:
 - Curriculum vitae;
 - Evidence of compliance with the application prerequisites (§ 5 sect.1).
2. The DGZI office then submits the application documents to the chairman of the examination committee - or the deputy, if the chairman is not available - for verification purposes.
3. Evidence demonstrating the member's focus on Implantology is advantageous in that it confirms the basic qualification of the member and should therefore be included with the application documents - if applicable.

§ 5 Prerequisites of Application

1. The prerequisites of application are as follows:
 - 1.1. Completion of at least 250 DGZI-recognized and German Dental association guidelines-compliant credit hours of continued medical education in various areas of Implantology in the five years preceding the submission of the application. This must include the completion of the DGZI–Curriculum Implantology.

- 1.2. Presentation of a Curriculum vitae outlining the professional career and a relevant list of at least 400 implantations performed within the five years preceding the submission of the application.
- 1.3. Operation catalogue (evidence of surgical performance, surgery logbook in accordance with § 6 sect.5.4.).
2. From the total of the implantations documented in accordance with item 1.2, the candidate has to submit the detailed documentation of 12 cases of implantations and prosthetic management performed by the applicant according to the selection and request of the examination committee.
3. The acceptance of continued medical education credits from annual meetings to set-off against the total of 250 credit hours required in accordance with sect.1.1 is at the discretion of the examination committee (§ 3), which is liable to hear the executive board of DGZI on this issue. With regard to this item, the member has to submit an application to the executive board of DGZI.
4. Members who hold a previous qualification in the speciality of Implantology and meet the guidelines for the granting of the qualification of "Specialist Implantology – DGZI" (e.g. passed examination of "Spezialist für Implantologie" of EDA or an equivalent qualification of DGI or other organization, including foreign training organizations or university clinics (Master's degree) meeting the guidelines), satisfy the application prerequisites of the granting of the qualification of "Specialist Implantology – DGZI". This kind of qualification must be suitably evidenced by the member through relevant documents. The granting of the qualification of "Specialist Implantology – DGZI" to these members also requires that the member passes the examination in accordance with § 6.

§ 6 Examination

1. The examination consists of a practical and a theoretical part.
2. The details of the practical part of the examination are decided by the examination committee in agreement with the executive board.
3. The written part of the examination consists of questions from any area of the field of Implantology including associated areas; the contents of the written examination are selected jointly by the examination committee and the executive board. The details of the written part of the examination are decided by the examination committee in agreement with the executive board prior to the examination.
4. The oral examination serves the purpose to examine for the routine dental practice the basic and extended knowledge of the candidate in the area of Implantology/Oral Surgery as well as the ability to critically assess the specialized technical literature. The oral examination includes a discussion of the 12 cases of treatment selected by the examination committee and documented by the applicant. The candidate will have to answer questions from the entire field of oral Implantology and its associated areas.
5. The various parts of the examination cover the following catalogue of contents:
 - 5.1. Oral surgery
 - Extraction of impacted teeth
 - Osteotomies
 - Treatment of maxillary sinus disease
 - Cysts
 - Neurolysis
 - Plastic surgery with flaps
 - Biopsies
 - Traumatology
 - Pre-prosthetic surgery
 - Myoarthropathies
 - 5.2. Specialized knowledge
 - Anatomy and physiology of the orofacial system
 - Pathology, etiology and epidemiology (fundamentals)
 - Age-related changes relevant in Implantology
 - General information concerning Implantology
 - Prophylaxis and implantological pre-treatment
 - Diagnostic work-up prior to implantation
 - Endosseal implants (shape, structure, coating)
 - Application of X-rays including diagnostic work-up with imaging methods, (CB)CT, MRI
 - Etiology, pathogenesis and epidemiology of periodontal diseases
 - Etiology of bone diseases
 - Etiology of blood diseases
 - Autoimmune diseases (fundamentals)
 - Fundamentals of histology, immunology, inflammation and wound healing
 - Evaluation of high risk patients and consequences for design and treatment
 - Incompatibility reactions, allergies
 - Periimplantitis
 - Rhinological aspects of implantological interventions
 - Growth factors, etc.
 - OR techniques
 - Augmentations
 - Bone replacement materials
 - Tissue regeneration
 - Specialized surgical procedures
 - Sinus lift techniques
 - Use of bone splitting, bone spreading
 - OR microscope, magnifying glass
 - Distraction osteogenesis
 - Nerve displacement techniques
 - Mastery of a complex complete treatment design and development of a corresponding treatment concept
 - Complications and the management thereof

5.3. Prosthodontics

- Suprastructural parts, single-tooth implants, purely implant-borne reconstructions, hybrid constructions, attachment of implant-borne restorations
- Knowledge with regard to the use of at least 3 implant systems
- Red and white aesthetics
- Interim management and temporaries
- Immediate exposure
- Late exposure
- Prosthodontic diagnostic work-up
- Registration technique and articulators
- Geroprosthodontics
- Prosthetic management of patients with jaw and facial defects
- Adaptation disorders and complications
- Impression forms
- Functional analysis
- Functional therapy
- Alternatives fixed removable restorations
- Indication-dependent forms of removable restorations
- Attachment and insertion systems
- Soft tissue plastic surgery using restorations and implants

5.4. Fundamental inter-disciplinary knowledge

- Emergency medicine (monitoring, ECG, pulse oximetry)
- Internal medicine
- Anesthesia (procedures)
- Sedation
- ENT
- Surgery
- Neurology
- Pharmacological knowledge of permanent medication relevant to surgical measures
- Geriatrics
- Hygiene
- Clinical laboratory diagnosis
- Acquired, congenital or artificial hemorrhagic diathesis and therapy thereof

5.5. Operation catalogue

- Supplementing the list of implants placed

and managed, the candidate is to present an operation catalogue specifying all special operations and oral surgical operations performed by him or her: The implantations and management are/is to cover all indication classes and show a fairly even distribution. Of the implantations, at least 10% of the cases shall be:

5.6. Interventions of oral surgery

- Management of complications (control of massive hemorrhage of e.g. A. palatina, A. lingualis, Sinus anastomoses, nasal tape-nade)
- Osteotomies
- Extraction of impacted teeth
- Cystic surgery
- Apicectomy
- Vestibular plastic surgery
- Plastic surgery with flaps
- Frenulum labii surgery
- Fabrication and insertion of obturators

5.7. Special operations

- Operations in close proximity to nerves
- Sinus lift operations
- Operations in the presence of advanced jaw atrophy
- Hard tissue augmentations
- Soft tissue management (papillary reconstruction, etc.)

§ 7 Documentation of treated cases

1. The documentation of the treated cases requested by the examination committee must include the following relevant documents:

- 1.1. General medical and specialized history. Assessment of the risk factors and systemic diseases, if any, also in terms of their relationship to diagnosis and the design of treatment.
- 1.2. Expectations and attitudes of the patient with regard to his or her mastication system and an implantological treatment must be

evaluated and assessed from the point of view of prognosis (patient compliance).

- 1.3. Dental status: comprehensive clinical work-up. Must also include the visual assessment of the gingiva, probing depths, loss of attachment, mobility, and oral hygiene.
- 1.4. X-ray findings: comprehensive X-ray status (vertical angulation technique) or an OPG before and after implantation as well as after prosthetic management; all of these need to be of good quality. The quality of the images will be assessed. Findings of prognostic and/or therapeutic significance must be included in the description. CT images, if any, must be presented.
- 1.5. Photographic status: complete photographic status to the extent possible, though at least individual photographs of the final prosthetic findings must be provided.
- 1.6. Models: desirable.
- 1.7. Diagnosis: must be both general and dentition- and tooth-specific and comply with the national and (preferably) international (European) standards to the extent possible.
- 1.8. Treatment plan: a treatment plan based on the etiology, findings, and diagnosis must be described and illustrated in detail (in writing, X-ray copy onto foil, computer-aided design of therapy).
- 1.9. Prognosis: the prognosis should be both general and related to the individual implant.
- 1.10. Course of treatment: detailed description of the treatment as administered. The timelines of the treatment measures administered must be recorded and illustrated.
- 1.11. Final findings: with regard to the final findings, the documents specified under items 4.3. to 4.6. must be provided. The treatment and follow-up must be discussed in the form of an epicrisis.
- 1.12. Subsequent findings: with regard to at least

6 of the 12 documented cases, subsequent findings obtained after a period of 3 years should be provided.

§ 8 Continuance of qualification

1. A member who was granted the qualification of "Specialist Implantology – DGZI" is required to continually further his specialized knowledge and experience in the area of implantology and document these efforts. This may be effected especially through:
 - 1.1. Regular active participation in continued education courses and scientific meetings, participation in workshops, study groups, seminars, and other active continued education measures;
 - 1.2. Scientific research, studies, and authorship within the scope of personal interest and possibilities;
 - 1.3. Lecturing on topics from the area of the member's specialty;
 - 1.4. Acknowledgement of compliance with the ethics guidelines of DGZI e.V.
2. The executive board of DGZI is entitled to evaluate at any time whether or not the member continues to meet these prerequisites. The provision of pertinent evidence can be requested. If appropriate evidence cannot be provided, the executive board can withdraw the permission to use the qualification of "Specialist Implantology – DGZI" through a decision of the executive board. From the receipt of such notice, the member is no longer permitted to use the qualification of "Specialist Implantology – DGZI".
3. If a member terminates his or her DGZI membership, he or she is no longer permitted to use the qualification of "Specialist Implantology – DGZI" from the date the membership is terminated.

§ 9 Miscellaneous

1. The member recognizes these guidelines as binding and subjects him- or herself to these guidelines.
2. Training sites include all DGZI-recognized continued education locations and continued education programs throughout the world.
3. The member is liable to ascertain whether or not he or she meets the legal prerequisites for the use of the qualification of "Specialist Implantology – DGZI" in accordance with the applicable laws of the laws of the profession and the laws of competition.
4. The member is liable to pay the examination fee. The examination fee are determined by the executive board of DGZI and information regarding the fee can be requested from the executive board of DGZI prior to the examination. The examination fee must be paid in full prior to the commencement of the examination procedure. The examination fee is not reimbursable, even if the examinee fails to pass the examination.
5. The member is liable to provide and bring along to the examination at own cost all materials and instruments needed for the practical part of the examination.
6. Any updates or amendments hereof can be made through a decision of the executive board in a temporary fashion to be effective until the next general meeting of members.

Düsseldorf, 3.01.2015
Board of Directors

The quality seals of DGZI are also recognized internationally!

M.SC. IN ORAL IMPLANTOLOGY & DENTAL SURGERY

Proceed after the Curriculum Implantology DGZI to a M.Sc. in Oral Implantology & Dental Surgery. The cooperation of DGZI with international partners enables the opportunity to complete with master's degree also in recognition of the curriculum alongside an innovative curricular training.

The GBOI exam is part of the internationally accredited Master of Science according to the Bologna criteria. DGZI is partner of different Universities in Germany and abroad. After the successful exam you get the title Master of Science in Oral Implantology and Dental Surgery. After absolving the GBOI exam you save time and

money on your further way to the MSc. Information about the advanced Master's study program and curriculum grants are issued by the DGZI office on special request.

Preconditions for the Degree course to Master of Science in Oral Implantology & Dental Surgery:

Successful participation of E-learning Curriculum Implantology or licensed Version Curriculum Implantology DGZI. Time savings through recognition of curriculum modules and cost savings.

Prices, localization and dates to start upon request.



Points rating for continuing education Federal Chamber of Dentists (BZÄK)/ German Association of Oral and Maxillofacial Dentistry (DGZMK)

A Lecture-style class without active involvement of participants such as lecture, symposium, conference, congress, etc. (at home or abroad).

- 1 point per hour of continuing education
- Maximal 8 points for every whole day
- 1 additional point if they include an oral or written training evaluation

B Continuing education with active involvement of the participants such as workshops, seminars, courses, exercises, quality circles, study groups, visits, practical training, active case demonstrations, supervisions, etc. (at home or abroad)

- 1 point per hour of continuing education
- Maximal 8 points for every whole day
- 1 additional point for hands-on work with a patient, a dummy or a preparation as main course content
- 1 additional point for half day or whole day events if they include an oral or written training evaluation

C Interactive continuing education via electronic, audiovisual or visual media including a written progress report or electronically

- 1 point per training unit
- 2 point per training unit (sophisticated CME training units, peer-reviewed*)

D Work as author/speaker/moderator in quality circles acc. to the guidelines of Federal Cham-

ber of Dentists (BZÄK)/German Association of Oral and Maxillofacial Dentistry (DGZMK)**

2 points per submission/lecture/poster additional to the points of participation

E Successfully completed final discussion/case presentation following a curriculum

15 points once per course of instruction (curriculum)

F Recognition of offered medicine-related continuing education which has been officially awarded a certain number of points.

G Self-study by means of technical literature

10 points per year

Remarks:

Also continuous medical education successfully passed abroad acc. to the guidelines for dental continuing education of BZÄK/DGZMK are accepted and rated to this points rating system. The dentist has to prove himself the continuing education by adequate forms and certificates.

*Continuous Medical Education articles passed by an expert opinion.

**only for lectures designated for physicians and medical auxiliaries



FORMS & APPLICATIONS

Membership Application Form

I hereby to apply for **membership of the DGZI** – German Association of Dental Implantology (Deutsche Gesellschaft für Zahnärztliche Implantologie e.V.).
Please send this form via FAX to +49 211 16970-66.

Do you have experience in implantology? (mandatory) yes no

I hereby agree to have my personal data processed for all purposes of the DGZI.

Full membership (outside Germany) **Assistant doctors** (outside Germany) **Students/auxiliaries** (outside Germany)
→ 125 Euro p.a. → 60 Euro p.a. → 60 Euro p.a.

I have transferred the annual fee to the DGZI bank account c/o Dr Rolf Vollmer:
IBAN: DE33 5735 1030 0050 0304 36 | KSK Altenkirchen | SWIFT/BIC: MALADE51AKI

Personal Data | Please fill out in block letters!

..... Name	..... First name	..... Date of birth
..... Title	..... Citizenship	..... Country
..... Street	..... City, ZIP code	
..... Phone, Country and Area code	..... Fax	
..... E-Mail	..... Homepage	
..... Special qualification	..... Spoken languages	

Payment (by credit card)

Visa MasterCard

..... Card holder's name	..... Card number
..... Expiry date	
..... Signature	..... Place, Date

For further information please contact

Deutsche Gesellschaft für Zahnärztliche Implantologie e.V.
Paulusstraße 1, 40237 Düsseldorf, Germany
Tel.: +49 211 16970-77 | Fax: +49 211 16970-66
sekretariat@dgzi-info.de | www.dgzi.de

Binding registration

Post Graduate Training "E-learning Curriculum Implantology" DGZI or
"License version Curriculum" DGZI

Please send via Fax +49 2742 2547 or E-mail info.vollmer@t-online.de

Dentist Oral Surgeon Maxillofacial Surgeon

Implantological experience yes no

.....
Implantology activities since Number of implants placed Experience with implant systems

I hereby register for participation in the seminar series

Option I "E-learning Curriculum Implantology" DGZI (Minimum number of participants 25) → fees upon request

Option II " Licensed version Curriculum" DGZI (Minimum number of participants 20) → fees upon request

Personal Data | Please fill out in block letters!

DGZI Member yes no

.....
Name First name Date of birth

.....
Title Citizenship Country

.....
Street City, ZIP code

.....
Phone, Country and Area code Fax

.....
E-Mail Homepage

For issuing the certificate the curriculum and internship and supervision must be completed. Internship and supervision costs are not included in the course fees and have to be paid to the elected surgeon, oral/maxilla-facial surgeon or an experienced implant dentists. Dates of courses, especially in third-party, are not binding and can be canceled in case of insufficient number of participants. The DGZI is not responsible i.e. does not cover the cost of cancellations of hotels, flights etc.

Payment (Direct debit only within Germany)

I hereby authorize the German Association of Dental Implantology revocable eV to be paid by me fees charged to my account collect by direct debit. If my account does not contain sufficient funds, the account-holding institution is not obliged to honor.

.....
IBAN SWIFT/BIC

.....
Signature Place, Date

Initial application

For grant of the main area of **Expert in dental Implantology of the Consensus Conference (CC)** Germany. *Please answer the following questions completely and truthfully and return this questionnaire signed together with the relevant documentation to the Secretary of DGZI, TSP, Paulus Street 1, 40237 Düsseldorf, Germany*

Personal Data | Please fill out in block letters!

DGZI Member yes no

..... Name	..... First name	..... Date of birth
..... Title	..... Citizenship	..... Country
..... Practice address: Street	..... City, ZIP code	
..... Phone, Country and Area code	..... Fax	
..... E-Mail	..... Homepage	

Requirements/Documents to be submitted:

- Short CV/CV
- Proof of completion of the Curriculum implantology DGZI
- Dental approval or specialized medical evidence, Oral/Maxillo-facial surgeon (copy)
- Proof of at least 3 years of experience in dental implantology, 200 placed implants or 70 cases in the corresponding indication classes. (Affidavit, sending 30 OPG)
→ **First implantation (date):**
- Other audits which equivalence is being sought. (Certificate enclose as a copy)

Will be charged an administrative fee of 1500 €

I hereby certify that I have given this information truthfully and to the best of my knowledge and belief.

.....
Signature

.....
Place, Date

Renewal application

for grant of the main area of **Expert in dental Implantology of the Consensus Conference (CC)** Germany. *Please answer the following questions completely and truthfully and return this questionnaire signed together with the relevant documentation to the Secretary of DGZI, TSP, Paulus Street 1, 40237 Düsseldorf, Germany*

Personal Data | Please fill out in block letters!

DGZI Member yes no

..... Name	..... First name	..... Date of birth
..... Title	..... Citizenship	..... Country
..... Practice address: Street	..... City, ZIP code	
..... Phone, Country and Area code	..... Fax	
..... E-Mail	..... Homepage	

For Renewal: Requirements/Documents to be submitted:

- Short CV/CV
- Proof of completion of the Curriculum implantology DGZI
- Dental approval or specialized medical evidence, Oral/Maxillo-facial surgeon (copy)
- Proof of at least 3 years of experience in dental implantology, 200 placed implants or 70 cases in the corresponding indication classes. (Affidavit, sending 30 OPG)
 - Other audits which equivalence is being sought. (Certificate enclose as a copy)

Will be charged an administrative fee of 250 €

I am in possession of the qualification certificate as **Expert in dental implantology of the consensus conference (CC)**.

.....
Date of the diploma in implantology of the Consensus Conference

.....
Expiry Date

I hereby certify that I have given this information truthfully and to the best of my knowledge and belief.

.....
Signature

.....
Place, Date

Initial application

for grant of the main area of **"Specialist in dental Implantology DGZI"** Germany. Please answer the following questions completely and truthfully and return this questionnaire signed together with the relevant documentation to the Secretary of DGZI, TSP, Paulus Street 1, 40237 Düsseldorf, Germany

Personal Data | Please fill out in block letters!

DGZI Member yes no

..... Name	..... First name	..... Date of birth
..... Title	..... Citizenship	..... Country
..... Practice address: Street	..... City, ZIP code	
..... Phone, Country and Area code	..... Fax	
..... E-Mail	..... Homepage	

Requirements/Documents to be submitted:

- Short CV/CV
- Proof of completion of the Curriculum implantology DGZI
- Proof of completion of Exam "Expert in dental implantology DGZI" acc. to CC Germany
- 250 DGZI-approved training hours within the last five years
- Dental approval or specialized medical evidence, Oral/Maxillo-facial surgeon (copy)
- Proof of at least 5 years of experience in dental implantology, 400 placed implants or 150 cases in the corresponding indication classes. (Affidavit, sending 30 OPG)
- Operation catalogue acc. to Guidelines for the Grant of the Qualification of "Specialist Implantology-DGZI"
→ **First implantation (date):**
- Other audits which equivalence is being sought. (Certificate enclose as a copy)

Will be charged an administrative fee of 1500 €

I hereby certify that I have given this information truthfully and to the best of my knowledge and belief.

.....
Signature

.....
Place, Date

Renewal application

for grant of the main area of **"Specialist in dental Implantology DGZI"** Germany. *Please answer the following questions completely and truthfully and return this questionnaire signed together with the relevant documentation to the Secretary of DGZI, TSP, Paulus Street 1, 40237 Düsseldorf, Germany*

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I hereby certify that I have given this information truthfully and to the best of my knowledge and belief.

.....
Signature

.....
Place, Date

Order form

Please send this form via FAX to +49 211 16970-66.

I hereby order

DGZI—"Oral Implantology guide book"

Compendium for the preparation of postgraduate education for implantology curriculum and the examination for the "Expert" and/or "Implantology Specialist-DGZI" diploma

→ 79,- € for DGZI Members, otherwise 89,- €

No. of copies

Shipping Address | Please fill out in block letters!

DGZI Member yes no

Name First name Date of birth

Title Citizenship Country

Practice address: Street City, ZIP code

Phone, Country and Area code

Signature Place, Date

Billing Address (if different from shipping address)

Name First name Date of birth

Title Citizenship Country

Practice address: Street City, ZIP code

Payment (by credit card)

Visa MasterCard

Card holder's name Card number

Expiry date

Signature Place, Date



www.DGZI.de

Office International Relations

Dr. Rolf Vollmer

Nassauer Street 1

D-57537 Wissen

Germany

info.vollmer@t-online.de



www.DGZI.de