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# **German Board of Oral Implantology**

## REQUIREMENTS



“A Journey of a thousand miles begins with a single step”

“Chinese philosopher” Lao-tzu

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# **GBOI Certification / Examination 2015**

## **Introduction**

### **Better quality of life with dental implants**

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 profound knowledge, expert skills, and special talent required for practitioners to provide comprehensive, safe, and effective oral implant therapy solutions for the patients.

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The GBOI (Reg. No. 02 09 491: „GBOI – German Board of Oral Implantology„ was chartered in 2002 by the German Association of Dental Implantology (DGZI). One important task laid down in the statutes of DGZI is to provide the patient with objective and independent information about implant dentistry.

As the oldest scientific implantological expert association in Europe (founded in 1970), the GERMAN ASSOCIATION OF DENTAL IMPLANTOLOGY (DGZI) has not only attended the developments of oral implantology but also established and created significant benchmarks. Some examples are curriculum development programs, internships, supervisions, the annual international congresses, courses for surgery, promotion and support of national and international research projects by the scientific DGZI advisory board as well as the presentation of the DGZI Implant Dentistry Award.

## German Board's Mission

The **German Board of Oral Implantology** is an independent 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.

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 of the most important scientific societies and associations of dental and oral Implantology including DGZI.

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## STEPS OF EDUCATION & QUALIFICATIONS

### FIRST STEP

#### Dental Implantology Curriculum

The DGZI post graduate education curriculum, is a one year program in cooperation with different universities and conducted in English and German language. Participants will get a certificate of **German Board of Oral Implantology** after successful completion of the theoretical, clinical requirements and the examination. **This education program is a prerequisite for the master degree education program. (MSc. Oral Surgery / Implantology).**



# Seminar Series with Qualification Diploma

(GBOI)

## ONE YEAR PROGRAM

The Curriculum Implantology has been developed in a cooperation of the bodies and expert speakers of DGZI and the participating universities. A post-graduate education course in implantology, the Curriculum Implantology is being offered as a basic training program through a collaboration universities as well as experienced Cooperative concepts were harmonized in a consensus conference ( between DGZI, DGI, MKG - Chirurgie, Oralchirurgie, BdiZ ) and incorporated into this series of implantology seminars.

The curriculum offered by DGZI consists of **8 weekend sessions** plus **internship** and **supervision cases** distributed over **One Year**.

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The curriculum is aimed at dentists seeking sound continued dental education with great relevance to their daily work. The program focuses not only on theoretical aspects, but also places a major emphasis on Implantology technique that is relevant for the daily practice. A special focus was placed on paving the participant's way to the practical application of the technique by means of exercises and live demonstrations.

Participants will be given opportunity to practice their skills on specimens. As a special bonus exercises on superstructures as well as the recent subspecialties of augmentation, red and white implant aesthetics have also been integrated into the program.

Each participant in the course must score **200 points** in the curriculum to receive the certificate (**8 weekend sessions of 20 points each + 40 points for internship / supervision = 160 + 40 points = 200 points or CE units**). Four internships (4 x5 points) and tow supervision (20 points).

Supervision case is scheduled not earlier than weekend session 5. The internships should cover both surgical and prosthetic topics. During the supervision, the participant performs an implantation surgery in one of his or her patients under the supervision of an experienced tutor

Teamwork and evaluation based on oral or written examination of the achievement of the educational objective are part of each day of all curriculum sessions.

There is final oral and written examination at the conclusion of the curriculum. Participants who successfully complete the 8 weekend sessions, examinations and obtain a minimum of 40 additional points through internships / supervision may submit their documentation to the organization committee of DGZI. The qualification certificate (German Board of Oral Implantology) is handled out. Pursuant to the agreements of the consensus conference of the oral Implantology societies, the qualification is recognized and confirmed by a European

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University.

## **Titles of the weekend sessions**

(DETAILED PROGRAM UPON REQUEST)

- 1. Introduction into Dental Implantology.**
- 2. Theory and Practice of Implantology in Specimens (Head and neck Anatomy).**
- 3. Basics of Implantology and Surgery (Radiology and planning).**
- 4. Surgical Procedures in the Daily Practice.**
- 5. Special Aspects of Prosthetics in Implantology.**
- 6. Soft Tissue and Bone Management.**
- 7. Emergency, Anesthesia, and Pharmacology.**
- 8. Innovative Procedures and Techniques in Implantology.**

### **Internships and Supervision**

The **internships** as part of the curriculum provide the participants with an opportunity to observe the activities of an experienced implantologist on a one-to-one basis and from close-by.

The presence of the participant should not significantly interfere with the normal routine in the dentist's practice. Breaks between treatments will provide ample time for discussions and there may even be an opportunity for the participant to assist the tutoring implantologist.

Similar to university education, the **supervision** as part of DGZI's postgraduate education in Implantology provides the participants with an opportunity to gain practical experience with real patients. The participant and the tutoring implantologist will discuss the design of the preparatory steps and surgery several weeks ahead of time. Following this, the participant performs an implant surgery on one of his or her own patients at the premises, and assisted by the tutoring implantologist. This ensures the safety and prevents stress during the first own steps in the field of implantology.

<b>Internships and Supervision</b>
4 Internships
2 Supervision
Internships and/ or supervision to be held at the recognized premise

## **SECOND STEP**

### **Expert Implantology**

#### **Prerequisites:**

- \*Curriculum vitae (summarized).
- \*Proof of completed GBOI examination.
- \*Dental license or proof of specialist training in any field (copy).
- \*Proof of at least 3 years active involvement in the field of Dental Implantology,
- \***200** inserted implants or 70 cases in the relevant indication classes (statutory declaration, provision of 10 cases documented).
- \*Courses and seminars organized (include course program if available).
- \*Own publications (if any).

As an "**Expert I Implantology**" in the field of dental Implantology, the individual has to assure and pledge to abide by the guidelines, section V as follows:

- a) To provide annual proof of past or scheduled participation in Implantology-related continuing education courses and seminars
- b) To abide by the indication criteria stipulated by the federal and scientific associations
- c) To comply with the interpretation of the fee guidelines issued by the professional organizations
- d) And to document all of the implant cases.

### **THIRD STEP**

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## **Oral Implantology Specialist – DGZI**

As early as at the beginning of the 1990s, DGZI began to administer an examination for particularly qualified colleagues to prove their knowledge and skills.

Some 400 specialists in Implantology throughout Germany and abroad belong to the DGZI. They have many years of experience in Implantology, have placed a large number of implants and, after undergoing comprehensive further education, they have passed the quality examination „**Implantology Specialist DGZI**„

DGZI members receive the certificate "Implantology specialist - DGZI" upon successful completion of the examination. A successful examination entitles the examinee to bear the qualified designation "Implantology specialist DGZI„ and fulfillment of certain conditions



**Guidelines**  
**Grant of the Qualification of**  
**"Implantology Specialist - DGZI"**

**§ 1 Preamble**

1. Based on the criteria laid out in §§ 2, 3, 4, 5, 6, 7 and 8 hereof, the German Association of Dental Implantology (DGZI) grants to members of the society the qualification of **"Implantology Specialist-DGZI"**.
2. The qualification of "Implantology Specialist – DGZI" may be granted only to members who meet the pertinent formal prerequisites and passed the examination of the qualification of "Implantology Specialist – 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 "Implantology Specialist – 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 "Implantology Specialist – 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 "Implantology Specialist – 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 "Implantology Specialist – 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:

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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 specialty of Implantology and meet the guidelines for the granting of the qualification of "Implantology Specialist –DGZI" (e.g. passed examination of "Implantology Specialist" 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 "Implantology Specialist – DGZI". This kind of qualification must be suitably evidenced by the member through relevant documents. The granting of the qualification of "Implantology Specialist – 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.

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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, aetiology and epidemiology (fundamentals)
  - Age-related changes relevant in Implantology
  - General information concerning Implantology
  - Prophylaxis and Implantological pre-treatment
  - Diagnostic work-up prior to implantation
  - Endossal implants (shape, structure, coating)
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- Application of X-rays including diagnostic work-up with imaging methods, CT, MRI
  - Aetiology, pathogenesis and epidemiology of periodontopathies
  - Aetiology of bone diseases
  - Aetiology 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
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- 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 tamponade)
- Osteotomies
- ~~Extraction of impacted teeth~~
- Cystic surgery
- Apicoectomy
- 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.
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- 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 aetiology, findings, and diagnosis must be described and illustrated in detail (in writing, X-ray copy onto foil, and 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 "Implantology Specialist – 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:

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- 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 speciality;
  - 1.4. Acknowledgement of compliance with the ethics guidelines of DGZI

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 "Implantology Specialist - 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 "Implantology Specialist - DGZI".

3. If a member terminates his or her DGZI membership, he or she is no longer permitted to use the qualification of "Implantology Specialist – 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 "Implantology Specialist – 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.
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## **Application Form for the German Board of Oral Implantology Examinations**

### **Register Online**

<http://www.gboikuwait.com/#!registration/c1ylq>

## Fees

**O Curriculum Implantology (5600 Euros incl. 8 weekend sessions)**

**O Expert Implantology (1500 Euros)**

**O Specialist Implantology (1500 Euros)**

**4 Internships (100 Euros per case)**

**2 Supervisions (200 Euros per implant)**

Note: Acceptance in the program is subjected to the board of director's decision and after submitting all required documents and the payment of 700 Euros nonrefundable with the application (Application fees are part of the tuition).

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Münster University

Germany

## "Master of Oral Medicine in Implantology"

IMC Münster at the Münster - University offers since the year 2003 a master degree entitled

**"Master of Oral Medicine in Implantology"**. This Master Degree is internationally accredited by "Akkreditierungsrat" according to the "Bologna Criteria" The course consist in a web based part and a high amount of practical training.

### New Frontiers

#### **Cooperation between DGZI (German Association of Dental Implantology) and IMC Munster University.**

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As the oldest professional nonprofit association active in the field of Implantology, DGZI is focusing its activities on the continuing education and training of dentists active in the field of Implantology. 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 therapeutic possibilities of implant-based tooth replacement on the other hand.

DGZI curriculum graduates can now enroll in the **"Master of Oral Medicine in Implantology"** degree course offered in its 5<sup>th</sup> edition since 2004 at the Münster University at special conditions and in English language. This is based on a cooperation agreement concluded between DGZI / GBOI and IMC Münster University (Germany) as a prerequisite for the **"Master of Oral Medicine in Implantology"** course of study.

### **"Master of Oral Medicine in Implantology"**

The master's program "Master of Oral Medicine in Implantology" is geared towards practicing dentists and offers practice-based university-level continuing education of international quality. It is designed as in-service training and is offered in German language and now also in English language in cooperation with DGZI (German Association of Dental Implantology).

Within the field of dentistry, Implantology has increasingly emerged as an area of specialization in its own right. The goal of the post-graduate university training course



**"Master of Oral Medicine in Implantology"** for dentists is to provide students with in-depth, application-oriented scientific knowledge and practical skills in the area of oral surgery and Implantology. The focus is on indication, planning, symptoms and surgery, as well as post-operative care, liaison with associated prosthetics and general diseases as well as other individual disciplines in dental and oral diseases and maxillofacial surgery. The course of study particularly focuses on the connection between theory and practice in the area of invasive surgical procedures. Students will be able to offer state-of-the-art oral surgery / Implantology, consistent with forensic ethical standards, as a special emphasis of their practice and as a specialization.

Special courses of study are now being offered for DGZI curriculum graduates within the scope of the cooperation between DGZI and IMC Münster University (Germany). The reduced tuition fee for the "Master of Oral Medicine in Implantology" course of studies within the scope of cooperation between DGZI / IMC Münster University (Germany) is represents a significant reduction of almost one third of the total costs, based on the recognition of the continuing education provided by the DGZI curriculum which is recognized. The duration of the studies for the Master degree will 24 months for DGZI curriculum graduates.

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All conditions outlined in the official examination regulations of the national Münster University regarding the "Master of Oral Medicine in Implantology" must be fulfilled. This means that written examination, case documentation (under supervision of DGZI / GBOI) including corresponding specification of indication and documentation regulations (master thesis / defense and expert discussion) must be completed. A professor will serve as mentor for writing the master thesis.

DGZI is currently the scientific implantological expert association in Germany and probably in Europe, the educational components of which are being recognized by a national European university.



**DGZI (German Association of Dental Implantology)**

**Your partner for the Curriculum Implantology!**

## Master of Oral Medicine

**The first international accredited Master Course in Implantology according to the Bologna Criteria**



accredited since 2004 officially recognized by the German Dental Association (BZÄK) and the German Society of Dental, Oral & Craniomandibular Science (DGZMK) federally accredited distance learning program

The one-year in-service master course leads to the **academic degree of "Master of Oral Medicine"**.

Dentists and medical doctors who are looking for further education in special techniques and latest developments of oral surgery are provided by scientifically substantiated course material including numerous photographs written by well-known scientific authors. Practical trainings are based on the latest developments in Orofacial Medicine with emphasis on surgery to bestow upon the candidates the necessary skills to solve complex problems using special surgical techniques.

### Training Portfolio Contains:

- ③ Extensive practical training within anatomical, surgical and clinical training blocks.
- ③ 8 supervision cases performed by the students in the presence of a qualified supervisor.
- ③ hands-on anatomical training using specially preserved cadavers (Thiele fixation) ensures adequate and realistic surgical training conditions
- ③ hands-on clinical training with performance of surgical interventions under supervision
- ③ optimal tutor-to-student ratio with personalized guidance
- ③ specialist seminars and specialist reference literature with Medline links
- ③ online instruction reduces the need for on-site attendance
- ③ Diplomas are awarded during a graduation ceremony at the annual alumni meeting and scientific symposium

## Completion

After passing the final examination by the board of the universities network the degree **Master of Oral Medicine in Implantology** will be awarded.

## Bologna Criteria system: ECTS points

The study program was successfully accredited on 4 June, 2004 in accordance with the Bologna Criteria system by the Accreditation Council of the Kultusministerkonferenz [Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany]. It counts for a total of 60 ECTS points.

## The University of Münster

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The “Westfälische Wilhelms-Universität” Münster, is one of the largest and most historic universities in Germany . Founded in 1780, the university looks back on an eventful historical past. Top ranking in research and education, more than 37.000 students are currently enrolled in over 120 fields of study with approximately 5000 graduating annually. Over 250 institutes and seminars are devoted to basic and applied research. With 6.900 employees - among them 3.900 scientists, the university is one of the most notable employers in the region and is therefore an important economic factor. Despite these figures, everything remains comfortably within reach. Not situated at a remotely removed campus, the university, together with partly conserved historical buildings, is an integral part of the city center and daily life in Münster.

## The University Hospital of Münster

With more than 7.500 highly qualified employees and a capacity of over 1.500 beds, the University Hospital of Münster (UKM) is one of the largest hospital-complexes for specialized medical care in northern Germany. Approximately 420.000 patients per year receive high-level inpatient or outpatient treatment in 33 clinics and polyclinics thanks to the sophisticated facilities.

Patients come from an area extending from Holland to the Sauerland region - from the north-sea island of Borkum to the Siegerland region. Highly advanced medical



technology and trained specialists provide optimally diagnosed therapy in all areas of modern medicine.

Research closely linked to patient-care has contributed largely to the prominent international reputation of the Münster University. Physicians from Münster are leaders in many fields of research. Such research is conducted in 32 independently operating institutes whereby the spectrum ranges from clinical- to basic-research. Thanks to interdisciplinary cooperation, innovative new methods and findings in fields such as; inflammatory process, strokes, heart and vascular diseases and, transplantation medicine have been, and are –progressively– created and developed.

Physicians and scientists at the University consistently contribute to the improvement of recovery perspectives in the case of child leukemia. The Bone Marrow Transplantation Center (KMT) offers patients optimal treatment options for this disease and for other types of cancer. The Interdisciplinary Center for Clinical Research (IZKF), one of only 8 institutions of its kind in Germany, coordinates much of the research activity.

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106 professors, plus 1.350 other scientists of the Faculty of Medicine, are engaged in the sound education of the future physicians. Approximately 3.000 female and male students are currently studying medicine and or dentistry at the Faculty of Medicine composing this faculty to being one of the largest in Germany. Due to self-run and controlled vocational schools, the University is also active in the education of candidates for various other allied health professions.

### **Organization**

15 departments in  
7 faculties

### **Numbers of students**

37 200 Students (winter semester 2008/09)  
Percentage of women: just over 53 percent

### **Employees**

5,000 staff (excluding student assistants), including  
565 professors  
2,700 research assistants  
1,700 other staff  
In addition, there is 7,000 staff employed at the Münster University Clinic.

### **Buildings**



212 buildings spread over the whole city  
Covering 257,000 sqm

### **Budget**

Budget in 2008 (excluding University Clinic): € 240 million

### **Subjects**

More than 110 subjects in 250 courses

### **Graduates**

Around 5,500 graduates in 2007

Increase in one year: 11.8 %

### **Qualifications**

Bachelor/Master: 331

Teacher training: 1,405

State examination: 1,234

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Diploma: 1,152

PhD/MD: 711

Magister Atrium: 563

### **Partnerships**

Over 400 partnership agreements with universities and educational establishments all over the world. From Enschede in the neighboring Netherlands to Vientiane in Laos.

Focus areas in Latin America, south-east Asia and the Baltic region

International exchanges

Open to the world

Around 200 academics are currently visiting the University to teach and do research here

About 8.1 percent foreign students, in particular from Turkey, Eastern Europe, southern and eastern Asia (3,000)

1,900 Münster students abroad

For further information, please visit these following links:

### **Study Structure**

DGZI/GBOI Program & IMC Master Program

The Academic Degree

Begin and Duration

Schedule

Scope

Curriculum

Completion

Bologna Criteria system: ECTS points  
DGZI/GBOI Program & IMC Master Program

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Participation in the training program of the DGZI/GBOI Curriculum is a prerequisite for admission to the IMC Master course Implantology.

Participation of the training program of the DGZI/GBOI Curriculum can be recognized for the following modules in the IMC Master Course if the participant has passed successfully the GBOI Program: Modules 6, 7.2 and 7.3.

First Year	Second and Third
Year	
DGZI/GBOI	IMC Master
Program at	
Curriculum	Muenster University
Optional: Third Year	
Fulltime Fellowship -	
Observer ship at University Hospitals	
and Private Clinics	

8 Sessions  
Practical  
Training:  
Four Internship  
Two Internship  
Surgeries  
Two Supervision  
One Supervision  
Surgery  
Hands on  
different  
Implant  
Systems  
Session Exams  
Final  
Examination:  
Oral Exam  
Written Exam

E-learning  
Theoretical  
Materials online:  
Web-based Basic  
Course, 8  
lessons  
Web-based  
Advanced Course, 7  
lessons  
Online examinations:  
Basic Course  
Advanced Course  
Practical Training  
Block:  
At University  
Hospitals and  
Cooperating Clinics  
(Germany and  
Hungary)  
8 Supervision Cases:  
Amman/Jordan (in  
GDIC), under  
supervision of Prof.  
Mazen Tamimi  
Writing a Master  
Thesis:  
Literature overview  
Completion of  
Studies (at Muenster  
University,  
Germany):  
Final Oral  
Examination  
Presentation of 8  
Supervision

Concerning the Third Year, there  
exist two possibilities:  
One possibility is to stay for the  
practical training for about two weeks  
in Germany and Hungary as described  
in the middle column of this table.  
The other possibility is attendance in  
Germany for an internship for one  
year.  
Prerequisites for the Third Year  
Fulltime Fellowship:  
One year attendance in Germany  
The students must know the German  
language  
Additional fee: The internship year  
cost EUR 10.000 plus accommodation  
and living costs

## **The Academic Degree**

The in-service IMC Master Course Implantology leads to the academic degree of "Master of Oral Medicine" in Implantology. Begin and Duration

The IMC Master Course starts annual on 1st October and ends 1st October two years later.

The standard period of study is 24 months. The study program is completed by passing a final examination within this period of time.

Schedule

The exact schedule is unfortunately available at beginning of the course. You can refer to the schedules from the previous academic years (left menu bar).

Scope

The study program has a total time commitment of approximately 1800 hours. The total time is divided as follows: 570 hours of web based basic courses, 540 hours of web-based advanced training, 240 hours of practical training, 450 hours of work towards the Master's thesis - including control tests for each - and 60 hours of work in preparation

for examinations. Curriculum

### **Module 1**

Basic course

Web-based basic course - basics of general and oral medicine

### **Module 2**

Basic course

Web-based basic course - basics of oral surgery

[Offer/length of Module 1+2: The modules comprise 30 weekly hours per semester and have a time span of ca. 19 weeks. In total, the modules comprise 570 hours. The modules are offered as extramural studies and compatible with full-time professional activity.

They are offered once a year.]

### **Module 3**

Advanced course Implantology

Web-based advanced course - basics in Implantology

### **Module 4**

Advanced course Implantology

Web-based advanced course - special topics in Implantology



[Offer/length of Module 3+4: The modules comprise 30 weekly hours per semester and have a time span of ca. 18 weeks. In total, the module comprises 540 hours. The modules are offered as extramural studies and compatible with full-time professional activity. They are offered once a year.]

### **Module 5**

(Requires attendance in Germany)

Surgical practical courses

Surgical techniques in oral medicine and Implantology

[Offer/length: The module comprises 20 weekly hours per semester and has a time span of 3 days. The module is offered once a year within the study program.]

Anatomic surgical practical course

[Offer/length: The module comprises 20 weekly hours per semester and has a time span of 3 days. The module is offered once a year within the study program.]

### **Module 6**

(Performed by GBOI)

Seminar – science and practice

Introduction to different implant systems

Application of prosthodontics

Scientific work in praxis, management of a doctor's office

[Offer/length: The module comprises 90 weekly hours per semester and has a time span of 9 days. The module is offered once a year within the study program]

### **Module 7**

Clinical education

Clinical training I: Clinical hospitalization of implantation (requires attendance in Germany)

Clinical training II: Dentoalveolar surgery (performed by GBOI)

Clinical training III: Implant surgery (performed by GBOI)

### **Supervision Cases**

The students have to prepare eight clinical cases. 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 any of the GBOI examination committee members, Prof. Dr. Mazen Tamimi, PhD, from the Gardens Dental Implant Center (GDIC) Amman - Jordan is authorized to supervise these cases, and its documentation forms.

### **Module 8**

Master thesis

[Offer/length: The module has a time span of 3 months. The module is offered once a year within the study program. ]

### **Completion**

After passing the final examination by the board of the universities network the degree Master Of Oral Medicine in Implantology will be awarded by the Dean of the Medical Faculty of the Westphalian Wilhelms University of Muenster, Germany at the end of the Program.

### **Bologna Criteria system: ECTS points**

The study program was successfully accredited on 4 June, 2004 in accordance with the Bologna Criteria system by the Accreditation Council of the Kultusministerkonferenz [Conference of the Ministers of Education and Cultural Affairs of the Federal Republic of Germany]. It counts for a total of 60 ECTS points.

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<http://www.gboi-kuwait.com>

<http://www.uni-muenster.de/en/index.html>

<http://www.med-college.de>

<http://www.klinikum.uni-muenster.de/services/englishinformation/index.php>



Now over 39 years of experience and partnership to the implantologist and dentist.