



## Postgraduate Education Program in Oral Implantology

- ★ **Competency in Dental Implantology (CDI) Certificate**
- ★ **Fellowship in Dental Implantology by GCSI Certificate**

The Comprehensive Program in Oral Implantology is a one year training program organized by the **German Council of Oral Surgery and Implantology (GCSI)** in cooperation with the International Medical College (IMC) in Germany under the umbrella of the German governmental University Duisburg – Essen.

The program offers comprehensive academic knowledge in oral Implantology and related sciences.

The program extends over 6 modules.

The program is taught under the standards of the German Consensus conference of Oral Implantology, the Academy of Practice and Science (APW) and the Federal chamber of Dentistry (BZÄK).

At the end of the program the delegates will have a written and oral exam. After they passed successful they get the German Certificate “ **Competency in Dental Implantology (CDI)** issued by GCSI in Cooperation with the International Medical College (IMC) and a Fellowship of the GCSI.

Colleagues who are interested in a German academic Half Time Master of Science Program (60 ECTS) or a Full Time Master of Science Program (120 ECTS) can continue with the CDI Certificate directly to the Master of Science Program at the German governmental University in Duisburg – Essen.

The CDI Certificate leads to a reduction in study fee and travelling number and gives you a safe way of acceptance to the Master of Science in Implantology and Dental Surgery (MSc) program.

# Module 1

## Introduction to oral Implantology

### Learning Objectives

- History and development of dental Implantology
- Definition of Dental Implants, different types and dental implants components
- Implant and FEM Analysis
- Clinical indications and contraindications of using implants
- Medical aspects in oral surgery
- Overview dangerous anatomical structures
- Principles of Osseointegration and primary stability according to Bone quality, Bone quantity and Bone volume
- Dental implant components, connection types, biomechanical aspects, FEM Analysis
- Concepts of implant design
- Dental implantology in the daily practice
- Backwardplanning - easy going
- Easy planning of clinical cases with basic equipment, easy templates, step by step
- Quality management: Organizational prerequisites for the performance of Dental implants (Hygiene, Clinic, assistance, team, instruments, and equipment requirements to insert implants,) from A to Z
- Management and marketing for dental clinics

## Module 2

# Digital Implantology – from analog to digital

## Learning Objectives

- Planning with analog equipment
- Analysing of Digital Structures in the x rays
- Planning with digital x ray , two dimensional or three dimensional
- Insertion of implants in combination with digital fabricated templates
- Risk or Fun ?
- Different possibilities of Implant insertion regarding to the digital planning
- Impression technique analog or digital
- CAD CAM technique in Implantology

## Module 3

### Hard Tissue Management

- Incision techniques
- Principles of bone preparation and osteotomy
- Intraoral Bone Grafting ( Chin, Ramus block graft) with fixation screws and Membrane
- Bone harvesting concepts
- Concept of osseointegration according to different bone augmentation techniques
- Scientific based overview different hard tissue augmentation materials
- Hard tissue augmentation procedure in the daily practice from A to Z
- Evaluation of bone quality and quantity. Implant positioning (distances interimplant / teeth and contact point/bone profile).
- Bonemanagement in different bone qualities ( Osteotom technique, Bonesplitting, Onlaygraft, Inlaygraft)
- Surgical management of posterior maxilla, different sinus lift techniques.
- Direct and indirect sinuslift technique step by step, clinical cases
- Surgical management of posterior maxilla, alternatives to sinus lift
- Management of Surgical complications
- Extraction socket preservation/augmentation
- Extraction and immediate implant placement

# Module 4

## Soft Tissue Management

- Flap reflection Designs, principals, and techniques:
- Requisites of a mucoperiosteal flap
- Principles having priority with respect to the flap design
- Types of mucoperiosteal flaps
- Different methods of flap retraction and techniques.
- Suturing materials and Techniques:
- Suture Materials types, indications and contraindications.
- Suture Needles types, indications, and contraindications.
- Suture Techniques, indications, advantages and disadvantages of each
- Periodontal treatment in relation to implant dentistry
- Periodontal disease and treatment
- Furcation management
- Oral plastic surgery
- Guided tissue regeneration (GBR) – different augmentation materials in combination with different membranes - Step by Step
- Flapless vs. flap techniques
- Muccogingival surgery
- Soft tissue management for better esthetics
- Implants in the esthetic zone
- Single tooth replacement – 3 dimensional positioning
- Different Abutments for the soft tissue forming
- Esthetic crown lengthening
- Management of implant complications in the esthetic zone
- Management of soft tissue complications
- Sliding flaps , Papilla reconstruction
- Mucosal and connective tissue transplant
- Recession coverage
- Periimplantitis, Analysis and treatment concepts

# Module 5

## Prosthetics

**Study casts, diagnostic wax-up, implant positioning, design of complex therapies,**

**Number of implants required for different solutions according to the Scientific protocol.**

- Backward planning step by step
- Systematic implant prosthetics.
  - Prosthetic management.
  - single tooth replacement.
  - partial tooth replacement.
  - total tooth replacement.
  - Hybrid prosthesis.
- Cemented, screw-retained, bar and telescopic restorations.
- Practical procedure step by step.
- Impression techniques open and closed.
- Prophylaxis program, recall.
- Discussion in the team - team work,
- Implant specific dental technology solutions.
- Prosthetic management of maxilla.
- Prosthetic complications.
- Hygienic aspects of the superstructure.
- Complications: screws loosening or breakage,
- prosthesis breakage.
- Management of prosthetic errors.
- Static aspects of implant prosthetics.
- Design exercises.

## Module 6

**Training of the oral and written final exam in combination with big topics according to the GCSI program.**

- Official German Guidelines around Implantology
- SAC Concept
- Short and diameter reduced implants – new way of oral implantology
- Different Loading protocols and prosthetic concepts for implant supported constructions.
- Successful implant management in the esthetic zone
- Aesthetic Implantology - Summary of the most important details
- Complications at all time and how to manage
- Training of the exams

### Written and Oral Exam

#### DIRECTORS:

Dr. Sanjay Asnani

Dr. Vipin Dehane

#### ORGANIZING COMMITTEE:

Dr. Rahul Atara

Dr. Arvind Thakur

Dr. Datta Bhajibhakre

#### SCHEDULE:

1st Module On  
14th & 15th March 2021

#### CONTACT FOR REGISTRATION

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To know more about every module  
in details, visit

<http://www.iaosi.in/education.php>

#### OUR VENUE:



POWERED BY:

