

# CENTRE FOR ORAL IMPLANTOLOGY CERTIFICATION COURSE ON IMPLANTOLOGY – BASIC LEVEL

## 1. PREAMBLE:

Oral Implantology is a rapidly evolving field within dentistry and there is strong demand in the marketplace for prosthetic rehabilitation using oral implants. Implant supported prosthesis is a successful and predictable treatment option and has had a marked influence in expanding the range of treatment options available to the dentist. It is clearly one of the major advances within oral health care sciences in modern time.

The clinical training in this area of specialization is still not included in the curriculum of undergraduate programs, therefore this course is aimed to help the graduate to learn the clinical skills needed to integrate oral implant as an option for the provision of restorative solutions for single or partial missing teeth. The training also helps the student to think critically and to make informed decisions from evidence-based research.

## 2. TYPE OF COURSE:

A Skill based interdisciplinary course

## 3. NATURE OF COURSE:

Certificate course

## 4. DURATION OF THE COURSE – 6 months

- 3 Modules of 3 days each spread over 6 months - 9 days
- 27 hours of theory.
- 6 hours of hands on training.

- 30 hours of clinical training.

## 5. SCOPE OF THE COURSE:

The Implant training program is designed for General Practitioners as well as post graduates who wish to expand their treatment capabilities to include treatment planning and placement of dental implants. This comprehensive surgical training program focuses on implant placement into healed sites. Upon completion of this program, the clinician will be able to identify suitable patient cases and would have the basic skills needed to develop a systematic approach to treatment planning an implant case. Participants will gain valuable hands-on experience through practical exercises.

## 6. NATURE OF CURRICULUM:

Theoretical and skill oriented

## 7. COURSE CONTENT /SYLLABUS (updated course outcome enclosed)- Annexure I

- Basic biology and anatomy in relation to implant therapy
- Surgical procedures when placing a single implant into a healed site and the required level of clinical skills to perform such treatment
- Surgical template construction
- Simple flap design
- Basic suturing techniques
- An overview of basic bone grafting
- Effective patient communication and the importance of receiving consent prior to implant placement
- How to interpret findings from radiological examination
- Clinical assessment of a patient's suitability for implants
- How indications and contraindications may affect treatment options

- Basic instrumentation required for surgical placement of implants
- Clinical protocols and techniques associated with implant placement
- Provisionalisation during healing
- Final Prosthesis fabrication and cementation
- Guidelines to correct implant maintenance

## 8. TRANSANCTION OF CURRICULLUM:

Didactic / Hands on / Clinical

## 9. TEACHING METHOD – Blended Mode (Updated course enclosed)

Includes Lectures / Hands on / Live Surgical Demonstrations / Clinical cases

(Details attached)

## 10. ELIGIBILITY:

BDS from an institute recognized by the Dental Council of India

## 11. COURSE FEE:

Rs. 1,75,000/- Participants will be provided with 4 Nobel Biocare Implants and 4 abutments. The prosthetic components will be lent during the modules on case requirement basis.

## 12. FACULTY REQUIREMENT:

- Dr. Hasan Sarfaraz (Internal)
- Dr. Anjan Kumar Shah – Maxillo Facial Surgeon (External)
- Dr. Mahendranath Reddy – Prosthodontist (External)

## 13. MATERIAL REQUIREMENT:

- Implants and Abutments
- Surgical consumables and irrigation sets

- Prosthetic components and Impression materials
- Prosthesis processing in Dental Laboratory

#### 14.BUDGET:

Approximately Rs. 80,000/- per Participants

Rs.65,000/- for 4 Nobel Biocare Implants and 4 abutments, towards honorarium of the external faculty. Rs.15,000/- towards other prosthetic components, prosthesis charges, consumables and hospitality expenses.

#### 15.OBJECTIVE OF THE COURSE:

- To provide the participants a through systematic and logical exposure to implant dentistry.
- To help the participants to effectively incorporate implant dentistry into their dental practice.
- Rational creation of overall treatment plans in relation to implant dentistry.
- To provide a program based on realities of private practice and not just theoretical aspects.
- To provide a skill oriented interactive sessions on laboratory and surgical phases.

#### 16.TIMING OF THE COURSE:

The course will be conducted during the normal working hours of the department, and may extend up to 5:30 pm

#### 17.EVALUATION METHOD:

Must place a minimum of 3 Implants under the guidance of the faculty and restore them. Participant has to complete all the online learning modules and assessments.

## 18. ATTENDANCE:

Must attend all the 3 modules a total of 9 days spread over 6 months

## 19. INTERNSHIP:

Not Applicable

## 20. PASS CRITERIA:

Not Applicable

## 21. CERTIFICATE AWARDED BY

Yenepoya Dental College

## 22. LIST OF TEXT BOOKS:

1. Schroeder Andre - Oral Implantology, published in 1996, 2<sup>nd</sup> Edition
2. Christoph T Sliwowski - Implantology step by step, published in 2015, 2<sup>nd</sup> Edition
3. Cranin A Nornan – Atlas of Oral Implantology, published in 1999, 2<sup>nd</sup> Edition
4. Ajay Vikram Singh - Clinical Implantology, published in 2013, 1<sup>st</sup> Edition
5. Fedrico Hernandez Alfaro - Bone grafting in Oral Implantology, published in 2006, 1<sup>st</sup> Edition
6. Philippe B Tardieu- Art of Computer guided Implantology, published in 2001, 1<sup>st</sup> Edition
7. Louie Al Faraji- Surgical and Radiologic Anatomy for Oral Implantology – published in 2013, 1<sup>st</sup> Edition
8. Louie Al Faraji – Surgical complications in Oral Implantology Etiology prevention and Management, published in 2011, 1<sup>st</sup> Edition

## Course Structure: Blended Mode (Basic Level - Updated)

### ONLINE MODE:

A total of 35 online Learning modules and 35 online Assessment provided by the International teams for Implantology (ITI) Curriculum. The participants will be able to complete these modules and subsequent assessment at their own pace, within a period of 5 months.

### OFFLINE MODE:

- 3 Modules of 3 days each spread over 6 months
- 9 days

#### Contains: Each Module

- Lectures
- Hands on sessions
- Live surgeries and treating patients with implant prosthesis

### MODULE I - 3 days

#### INTRODUCTION AND BASICS MODULE – Annexure I

- Introduction of the Implant system/ equipment/ sterilization
- Diagnosis and treatment Planning
- Communication Skills and medico-legal dilemmas in your practice (Consent Form)
- Ethics in the practice of Implant Dentistry
- Hands-on on models
- Live surgical Demonstration by the mentor.

## PLACEMENT OF DUMMY IMPLANT BY STUDENTS:

The participants will place 1 dummy implant under the guidance and supervision of mentor and the in-house faculty on dummy mandibles.

### MODULE II – 3days

#### SURGICAL MODULE

- Live surgery-implant placement procedure by mentor
- The participants will place 1 implant under the guidance and supervision of the in-house faculty. The participant may also place more implants over a period of 3months. The uncovering of the demonstration case and the participants first case will be done prior to the 3<sup>rd</sup> module.

### MODULE III – 3days

#### PROSTHETIC MODULE

- Prosthodontic indications, introduction to prosthodontic components
- Hands-on on models
- Impression making, pouring of cast and cementation of the prosthesis

## RESTORATION OF IMPLANTS BY STUDENTS:

The participants will restore the implants placed by them under the guidance of faculty.