

## | BASIC MASTER |

**Tailored to meet the needs of the clinicians of tomorrow.**  
**Learn the tools to incorporate implant dentistry into your practice.**

In today's day and age, oral Implantology has become a highly sought-after modality. For this reason, it is imperative that most Dentists include it among services offered for their patients. Basic Masters Module has been designed to facilitate both new and experienced implanters. It builds upon the basic implant knowledge from the ground up and introduces clinicians to the latest in techniques and technology in the implant industry.

This carefully formulated program comprises many hands-on sessions including pig jaw surgeries and dry model workshops, to impart to our clinicians the scientific methods they need to use with their patients. The teaching process is both mentor and participant-centric with didactic discussions and mentored live surgeries to etch the new techniques each doctor will learn.

### DAY 1 – Mar 29

Session 1: Introduction to dental implant

1. Treatment options for missing teeth
2. Definition of dental implant
3. Dental implant categories
4. Factors affecting the success or failure of dental implant treatment

Session 2: Understanding the surgical kit and implant console

1. Understand your implant console – composition, setup, operation & maintenance
2. Objective of implant drilling and precautions
3. Understanding implant surgical kit
4. Implant drilling sequence in different bone density

Session 3: Surgical kit and implant console [hands-on exercise]

Session 4: Evaluation of bone quantity and bone quality

1. Evaluation of bone quantity and clinical application
2. Evaluation of bone quality and clinical application
3. Achieving the primary stability for dental implant
4. Hands-on exercise on block bone model

Session 5: Implant components and terminology

1. Surgical components
2. Prosthetic components

Session 6: Implant selection guide

1. Implant selection matrix
2. Implant fixture system selection criteria
3. Implant fixture body type selection criteria
4. Implant fixture diameter selection criteria
5. Implant fixture length selection criteria
6. Implant fixture surface treatment selection criteria

Session 7: Implant placement [hands-on exercise]

### DAY 2 – Mar 30

Session 1: Anatomy for dental implant

1. Consideration for mandibular anatomical structure
2. Consideration for maxillary anatomical structure
3. Posterior vs. Anterior cases
4. Nerves and veins

Session 2: Radiology for dental implant

1. Objective and types of oral radiology images
2. Understanding the anatomical structures on radiology images
3. Imaging protocol for dental implant surgery planning

Session 3: Panoramic tracing and use of CBCT images [hands-on exercise]

Session 4: Treatment planning for dental implant

1. Prosthetically driven treatment planning
2. Implant prosthesis planning
3. Selecting implant abutments
4. Implant fixture placement planning
5. Implant loading period criteria
6. One vs two stage surgery
7. Selecting the number of implants based on the missing teeth and available space

Session 5: Implant placement on Mandibular model [hands-on exercise]

Session 6: Anaesthesia for dental implant

1. Definition of dental anaesthesia
2. Types of dental anaesthetics
3. Complication from dental anaesthetics and prevention

### DAY 3 – Mar 31

Session 1: Understanding implant surgical instruments

1. Definition of instruments
2. Types and use of surgical instruments
3. Surgical instrument set up

Session 2: Incision and suturing techniques

1. Understanding the flap design, incision, and elevation
2. Principles of suturing

Session 3: suturing [hands-on exercise]

Session 4: two stage vs one stage surgery

1. Definitions and comparison of one vs. two stage surgery
2. Procedures and guidelines for the two-stage surgery
3. Procedures and counterindication of the one stage surgery

Session 5: Implant placement [hands-on exercise]

Session 6: Determining fixture position, angulation, and depth

1. B-L, M-D considerations for implant positioning
2. B-L, M-D considerations for implant angulation
3. Soft tissue and alveolar bone consideration for implant depth
4. Understanding the surgical guides

Session 7: Surgical guide kit [hands-on exercise]

### DAY 4 – Apr 26

Session 1: Pre-op preparation

1. Surgical instrument, kit, and handpiece sterilization and maintenance
2. Pre-op record gathering
3. Operator preparation
4. Patient preparation
5. Preparing the surgical instruments and others

Session 2: Introduction to Guided Bone Regeneration (GBR)

1. Basics of GBR and key success factors
2. Considerations for GBR
3. GBR procedures

Session 3: Pre-op preparation [hands-on exercise]

Session 4: Introduction to Sinus surgery

1. Anatomical review of maxillary sinus
2. History, definition, crestal vs. lateral sinus surgery
3. Introduction to crestal approach sinus surgery kit

Session 5: Crestal approach sinus surgery kit [hands-on exercise]

**DAY 5 – Apr 27**

Session 1: Introduction to Mini, Ultrawide, and Short implants

1. Types and application of mini implants
2. Types and application of ultrawide implants
3. Types and application of short implants

Session 2: Clinical review of mini and ultrawide implants

Session 3: Introduction to immediate implant placement

1. Classification of implant placement timing after exo
2. Osteogenesis process after exo
3. Rational for immediate implant placement
4. Considerations for immediate implant placements

Session 4: Immediate implant placement [hands-on exercise]

Session 5: Implant complications and management

1. Classification of implant complications
2. Intra-operative complications
3. Post-op early complications
4. Post-op delayed complications

Session 6: Implant maintenance and patient education

1. Importance of implant maintenance
2. Examination routine and check up list
3. Mechanical and chemical cleaning process (clinic)
4. Patient home maintenance

**DAY 6 – Apr 28**

**LIVE SURGERY 1**

**DAY 7 – May 24**

Session 1: Understanding implant prosthetic

1. Characteristics of implant prosthesis
2. Structure and types of implant prosthesis
3. Planning and procedures of implant restoration

Session 2: Understanding implant prosthetic system

1. Understanding implant prosthetic system of bone level, internal connection implant
2. Understanding implant prosthetic system of tissue level, internal connection implant
3. Understanding implant prosthetic system of bone level, external connection implant

Session 3: Connecting abutment to fixture [hands-on exercise]

Session 4: Healing abutment selection

1. Understanding healing abutment
2. Consideration for healing abutment selection
3. Healing abutment specification for various implant systems
4. Understanding custom healing abutment

Session 5: Abutment selection criteria

1. Understanding implant platform
2. Understanding implant connection type and clinical application
3. Understanding abutment diameter and clinical application

Session 6: Types of implant prosthetics

1. Classification of implant prosthesis
2. Understanding screw retained prosthesis
3. Understanding cement retained prosthesis
4. Understanding combination type prosthesis

**DAY 8 – May 25**

Session 1: Abutment level Impression techniques

1. Understanding abutment level impression
2. Abutment level impression
3. Indirect impression technique
4. Direct impression technique
5. Advantages and disadvantages of each impression techniques

Session 2: Fixture level Impression techniques

1. Understanding fixture level impression
2. Pick up type impression technique
3. Transfer type impression technique
4. Advantages and disadvantages of each impression techniques

Session 3: Bite registration

1. Understanding bite registration
2. Bite registration materials
3. Types and techniques of bite registration
4. Common errors for bite registration
5. Techniques for accurate bite registration
6. Clinical case review

Session 4: Impression taking [hands-on exercise]

Session 5: Implant prosthesis design and material selection

1. Implant prosthesis selection on various clinical situations
2. Abutment design and selection guide
3. Implant crown material selection guide

Session 6: Restoring, maintaining, and repairing Implant prosthesis

1. Connecting screw vs cement retained crowns
2. Repair and maintenance of implant crowns
3. Hands-on exercise

**DAY 9 – May 26**

**LIVE SURGERY 2**

## | PROSTHETIC MASTER |

**Understand the concepts behind reverse treatment planning. Learn about ideal occlusal design and management of complications.**

Implantology has grown into a highly sought-after skill in today's world. With growing demand, patient expectations from their clinicians have reached a new high. For this reason, Implantology has evolved into a prosthesis driven industry as opposed to the surgery driven specialty of the old days. With this prosthetic design module, we aim to teach our doctors the fundamentals of implant success through ideal prosthesis design.

Consisting of several hands-on workshops, this course introduces participants to several types of prostheses, their design and treatment planning to give their patients the best possible visible results. After all, it is all about what can be seen.

### DAY 1 – TBD

Session 1: Considerations for implant prosthetic planning

1. Prosthesis design with occlusion in mind
2. Planning implant position with consideration of prosthesis
3. Setting sub/supra/equal implant margin

Session 2: Planning implant position and numbers

1. Prosthetic planning for partial edentulous in anterior zone
2. Prosthetic planning for partial edentulous in posterior zone
3. Prosthetic planning for totally edentulous case

Session 3: Prosthesis type and material selection

1. Type of implant prosthesis
2. Type of prosthesis material
3. Selection guide for prosthesis material on different zones
4. Considerations for implant prosthesis type selection

Session 4: Planning implant prosthesis in consideration of Implant number/position [hands-on exercise]

Session 5: Selecting the prosthetic loading period

1. Determination factors for implant loading
2. Prosthesis loading protocol
3. Final prosthesis loading period

### DAY 2 – TBD

Session 1: Introduction to digital dentistry

1. Understanding digital dentistry – equipment, software, protocol
2. Comparison between analog vs. digital dentistry

Session 2: Application of digital dentistry

1. Application areas of digital dentistry
2. Materials and equipment for digital dentistry

Session 3: Introduction to OneGuide system (1)

1. Types and characteristics of guided surgery
2. Understanding OneGuide system and process

Session 4: Introduction to OneGuide system (2)

1. OneGuide surgical kit components
2. OneGuide drilling sequence

Session 5: Introduction to OneGuide system (3)

1. Features of OneGuide system
2. OneGuide work process

Session 6: Introduction to OneGuide system (4)

1. OneGuide surgery preparation
2. OneGuide surgery checklist
3. OneGuide clinical case review

Session 7: OneGuide system [hands-on exercise]

### DAY 3 – TBD

Session 1: Introduction to implant prosthetic types

1. Differences between implant and natural teeth
2. Loading forces on implant prosthesis
3. Prosthetic design for dispersion of load occlusal force
4. Overcoming overloading forces
5. Review of implant prosthesis types

Session 2: Screw retained prosthesis

1. Clinical application of screw retained prosthesis
2. Impression taking for fabrication of screw retained prosthesis
3. Abutment selection for screw retained prosthesis
4. Prosthesis material selection

Session 3: Cement retained prosthesis

1. Clinical application of cement retained prosthesis
2. Impression taking for fabrication of cement retained prosthesis
3. Abutment selection for cement retained prosthesis
4. Prosthesis material selection

Session 4: Combination type prosthesis

1. Clinical application of combination prosthesis
2. Impression taking for fabrication of combination prosthesis
3. Abutment selection for combination prosthesis
4. Prosthesis material selection
5. Combination prosthesis fabrication process

Session 5: Implant prosthesis summary

1. Introduction to implant occlusion
2. Understanding articulator
3. Comparison of impression techniques
4. Comparison of implant prosthesis

Session 6: Combination type prosthesis [hands-on exercise]

### DAY 4 – TBD

Session 1: Concept, diagnostic, and treatment planning for esthetic prosthesis

1. Definition of esthetic implant prosthesis
2. Factors affecting the esthetic outcome of implant prosthesis
3. Diagnosis for the esthetic outcome of implant prosthesis
4. Treatment planning for the esthetic outcome of implant prosthesis

Session 2: Emergence profile for esthetic implant prosthesis

1. Definition of emergence profile for dental implant
2. Factors affecting the formation of natural emergence profile
3. Process for developing natural emergence profile for implant prosthesis

Session 3: Shaping esthetic implant prosthesis and material selection

1. Natural looking emergence profile and transitional zone
2. Material selection guide for esthetic implant prosthesis
3. Cementation techniques

Session 4: Provisional restoration

1. Role of provisional restoration
2. Type and material for provisional restoration for implant
3. Hands-on exercise

Session 5: Impression taking for esthetic implant prosthesis

1. Characteristics of impression taking for esthetic implant prosthesis
2. Custom impression taking [hands-on exercise]

Session 6: Abutment selection for esthetic prosthesis

1. Types of abutments for esthetic implant prosthesis
2. Abutment selection factors for esthetic implant prosthesis
3. Determination for the abutment design
4. Abutment selection based on the prosthesis type
5. Abutment selection based on the available dimension
6. Abutment selection based on the implant angulation
7. Custom abutment
8. Abutment selection by clinical cases

Session 7: Complication arising from esthetic prosthesis and management

1. Introduction to esthetic complications
2. Factors of esthetic complications
3. Management of esthetic complications

**DAY 5 – TBD**

Session 1: Treatment options for edentulous cases

1. Conventional complete denture
2. Implant supported removable prosthesis
3. Implant supported fixed prosthesis

Session 2: Locator overdenture solution

1. Implant planning for locator overdenture
2. Abutment selection for locator overdenture
3. Impression taking for locator overdenture
4. Final prosthesis fabrication
5. Attachment (sleeve) selection
6. Direct and indirect setting of final prosthesis
7. Complication management

Session 3: O-ring overdenture solution

1. Implant planning for O-ring overdenture
2. Abutment selection for O-ring overdenture
3. Impression taking for O-ring overdenture
4. Final prosthesis fabrication
5. Attachment (sleeve) selection
6. Direct and indirect setting of final prosthesis
7. Complication management

Session 4: Bar overdenture solution

1. Implant planning for Bar overdenture
2. Impression taking for Bar overdenture
3. Bite registration
4. Final prosthesis fabrication
5. Setting final prosthesis
6. Complication management

Session 5: Hybrid prosthesis solution

1. Implant planning for hybrid prosthesis
2. Final prosthesis fabrication
3. Setting final prosthesis
4. Maintenance and recall interval
5. Complication management

Session 6: Anterior fixed, posterior removable prosthesis solution

1. Implant planning for AFPR prosthesis
2. Final prosthesis fabrication
3. Setting final prosthesis
4. Maintenance and recall interval

Session 7: Overdenture [hands-on exercise]

**DAY 6 – TBD**

Session 1: Screw loosening & fracture

1. Understanding the screw loosening
2. Factors affecting the screw loosening
3. Cause of screw loosening and complication management
4. Screw fracture and complication management

Session 2: Removing fractured screw [hands-on exercise]

Session 3: Abutment fracture

1. Rigid abutment fracture
2. Transfer abutment fracture
3. Zirconia abutment fracture
4. Cause of abutment fracture and prevention

Session 4: Removing fractured abutment [hands-on exercise]

Session 5: Prosthetic complications

1. Definition of prosthetic complication
2. Types of prosthetic fractures
3. Other complications related to final prosthesis

Session 6: Contact loosening management

1. Dealing with contact loosening for cement retained prosthesis
2. Dealing with contact loosening for screw retained prosthesis

## | SURGICAL MASTER |

**Gain the leadership skills you need.**

**Designed to impart excellence in surgical anatomy to advanced soft tissue management.**

Complexities in surgeries have been the primary cause of clinicians remaining aloof of Oral Implantology. Not anymore. With the Surgical Master Module, we can assure our clinicians the tools they need to become oral Implantologist experts. The module is designed to be clinician centric and tailored to suit each participant individual needs. With its broad base curriculum, this program ensures our participants leave with the knowledge to tackle surgery with renewed fervour and predictable outcomes.

Surgery masters include, but is not limited to, indirect and direct approach sinus lifts, ridge split and augmentation, immediate implants and advanced soft tissue management.

### DAY 1 – Sep 12

Session 1: Anatomy and physiology of maxillary sinus

1. Understanding of Maxillary sinus
2. Maxillary sinus walls
3. Sinus membrane
4. Blood Supply
1. Nerves

Session 2: Panorama Tracing & Utilizing CBCT

1. Purpose
2. How to use the 3D image viewer
3. 3D image viewer exercise

Session 3: Panoramic tracing

1. Panoramic Radiography

Session 4: Introduction of sinus surgery

1. Types of Sinus surgery

Session 5: Crestal approach: Osteotome

1. Understanding of Osteotome technique
2. Types of Osteotome technique
3. Limitation of Osteotom

Session 6: Crestal approach: CAS

1. Understanding of CAS technique
2. CAS technique
3. Advantage of CAS technique

### DAY 2 – Sep 13

Session 1: Lateral approach: Bur

1. Understanding of Conventional technique
2. Lateral sinus window
3. Lifting Sinus membrane
4. Clinical case with bur

Session 2: Lateral approach: LAS

1. Understanding of LAS technique
2. LAS technique using dome drill
3. LAS technique using core drill
4. Advantage of LAS technique
5. Clinical Case with LAS Kit

Session 3: Osteotome [hands-on exercise]

Session 4: Crestal Approach Sinus surgery [hands-on exercise]

Session 5: Lateral approach using Bur [hands-on exercise]

Session 6: Lateral approach using LAS Kit [hands-on exercise]

Session 7: Bone graft materials

1. Maxillary sinus bone grafting
2. Type of Bone graft materials
3. Comparison of bone graft materials

### DAY 3 – Sep 14

Session 1: Management & Prevention of maxillary sinus surgery complications I: Pre-operative procedure

1. Pre-operative procedure

Session 2: Management & Prevention of maxillary sinus surgery complications I: Crestal approach

1. Failure of initial stability
2. Sinus membrane perforation
3. Sinus infection (Sinusitis)
4. Vertigo

Session 3: Management & Prevention of maxillary sinus surgery complications II: Lateral approach

1. Intra-operative
2. Post-operative

Session 4: Crestal and Lateral approach: management of Sinus membrane perforation

1. Preoperative Evaluation
2. How to manage Sinus membrane perforation [hands-on exercise]

Session 5: Live surgery case: treatment planning and discussion

1. Pre-operate: treatment planning
2. Live surgery
3. Post-operate: review

### DAY 4 – Oct 24

Session 1: Introduction to soft tissue of peri-implant area

1. Tissue structure
2. Tooth vs. Implant
3. Inflammatory response
4. Summary

Session 2: incision and suture technique for soft tissue preservation

1. Incision
2. Suture

Session 3: Keratinized gingiva

1. Soft tissue change during socket healing
2. Importance of Keratinized gingiva
3. Keratinized gingiva grafting techniques

Session 4: Various soft tissue preservation & augmentation technique

1. Introduction
2. Soft tissue preservation
3. Soft tissue augmentation

Session 5: Flapless surgery & Open membrane technique

1. Flapless surgery
2. Guided implant surgery
3. Open membrane technique

Session 6: Incision & suture [hands-on exercise]

Session 7: Free Gingival Graft [hands-on exercise]

1. Free Gingival Graft
2. Buccal Frenectomy
3. Buccal Fat Pad Graft

#### DAY 5 – Oct 25

Session 1: Introduction to Bone defect

1. Alveolar bone
2. Types of bone defect
3. Introduction to grafting technique according to bone defect

Session 2: Bone graft materials

1. Characteristic of Bone graft material
2. Autograft
3. Allograft
4. Xenograft
5. Alloplast

Session 3: membrane

1. Understanding of membrane
2. Types of membrane
3. Membrane exposure

Session 4: Grafting technique according to bone defect- 1-GBR

1. Definition of GBR
2. GBR operation

Session 5: GBR technique [hands-on exercise] - Pig Jaw

Session 6: OssBuilder [hands-on exercise] - Pig Jaw

Session 7: Grafting technique according to bone defect- 2- Autogenous Bone Graft

1. Definition of Autograft
2. Autogenous bone donor site
3. Harvesting Autogenous bone

Session 8: Autogenous Bone Graft technique [hands-on exercise] - Pig Jaw

1. Block Bone Graft using Fissure Bur
2. AutoBone Collector
3. Trepine bur

Session 9: Grafting technique according to bone defect- 3-Ridge Split & Expansion

1. Understanding of Narrow Ridge
2. Understanding of Ridge Split
3. Types of Ridge Split Kit
4. Ridge Split procedure
5. Understanding of Ridge Expansion
6. Types of Ridge Expansion kit
7. Ridge Expansion procedure

Session 10: Ridge split with ESSET Kit [hands-on exercise] – Pig Jaw

#### DAY 6 – Oct 26

#### LIVE SURGERY 3

#### DAY 7 – Nov 21

Session 1: Esthetic Implant dentistry

1. Evaluation of Esthetic Implant dentistry
2. Consideration of esthetic implant procedure

Session 2: Immediate implant Placement

1. Need for Immediate Implant placement
2. Healing and bone defect after Extraction
3. Extraction and Socket preservation
4. Time for Implant placement
5. Extraction standard and consideration
6. Take Home Message

Session 3: Maxillary Anterior Immediate Implant Placement

1. Consideration on Anterior immediate implant case
2. Immediate implant placement procedure
3. Maxillary anterior clinical case
4. Mandibular anterior clinical case

Session 4: Anterior Immediate implant placement [hands-on exercise]

1. Introduction to hands-on
2. Upper Central incisal
3. Lower Central incisal

Session 5: Posterior Molar Immediate implant placement [hands-on exercise]

1. Consideration on Posterior immediate implant case
2. Immediate implant placement procedure

3. Mandibular posterior clinical case

4. Maxillary posterior clinical case

Session 6: Posterior Immediate implant placement [hands-on exercise]

1. Upper premolar
2. Upper molar
3. Lower molar

#### DAY 8 – Nov 22

Session 1: Peri-Implantitis

1. Definition of Peri-Implantitis
2. Peri-implantitis management
3. Clinical case

Session 2: Peri-Implantitis [hands-on exercise]

1. Armamentariums for treating peri-Implantitis

Session 3: Intra-operative Complications

1. Bleeding
2. Nerve injury
3. Sinus membrane perforation
4. Fenestration and Dehiscence
5. Insufficient primary stability
6. Residual alveolar ridge fracture
7. Damage or injury to adjacent teeth
8. Swallow in armamentarium
9. Fixture misplacement
10. Jaw fracture
11. Medical emergency

Session 4: Post-operative early Complication

1. Swelling and Edema
2. Fever after surgery
3. Post-operative bleeding, Ecchymosis & Hematoma
4. Exposed cover screw
5. Exposed membrane after GBR
6. Early infection
7. Nerve damage
8. Fixture movement
9. Wound dehiscence
10. Problem may occur on donor site
11. Vertigo

Session 5: Post-operative delayed complication

1. Mucositis around implant
2. Hyperplastic gingivitis
3. Maxillary sinusitis
4. Implant periapical lesion
5. Bone resorption
6. Anterior Implant exposure
7. Implant fixture exposure
8. Implant fracture
9. Chronic pain
10. Sensitivity after implant procedure
11. BRONJ, MRONJ

Session 6: Other Complication

1. Screw loosening & fracture
2. Fixture fracture
3. Disintegration
4. Cluster Phenomenon
5. Titanium Allergy
6. Implant removal clinical case

Session 7: Easy Fixture Removal kit, and complication [hands-on exercise]

1. EFR kit
2. Trepine bur
3. Bur & elevator

**DAY 9 – Nov 23**

**LIVE SURGERY 4**