

Day 1

9.00 to 10am Lecture 1. Course Outline. Introduction to Implant terminology. (CB)

Learning Objectives:

- Candidates will understand the structure of the 5 day implant foundation course.
- Candidates will be introduced to the implant manufacturers available globally.
- Candidates will be introduced to and understand basic universal implant terminology, including:
 - Osseointegration.
 - Implant length, width and taper
 - Implant surface characteristics (Machined vs SLA vs Anodised)
 - Connection type (Internal and external)
 - Platform switching
 - Fixture level and Abutment level
 - Screw and Cement retained

10.00 – 10.45 am Lecture 2 Patient assessment and Examination. (SJ)

10.45 – 11.15am Tea

11.15 – 12.00 Lecture 3. Patient assessment and Examination. (SJ)

Learning Objectives:

- Candidates will understand the importance of a thorough patient assessment, and examination.
- Candidates will be introduced to the key areas that must be covered:

History:

Presenting complaint and history Wishes and desires. Are these realistic Dental history. Oral hygiene regime. Are they compliant? Importance of achieving oral health.

- Candidates will understand the importance of completing a full medical history before completing implant treatment.
 - Heart disease. Liver disease. Kidney disease. Bleeding and Healing. (what to do)
 - Diabetes (quantify risk how to manage)
 - Bisphosphates (limits)
 - Smoking (quantify risks)
 - Previous radiotherapy
 - Management of above.
- Candidates will understand the key areas to examine in a thorough clinical examination for the future implant placement.

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- Muscles of mastication
- TMJ
- Smile line
- Soft tissues signs of parafunction and lip support
- Oral hygiene and periodontal disease
- Dentition
- Keratinised tissue volume.
- Occlusion. Static and Dynamic
- Size and shape of teeth. Size of edentulous spaces.
- Ridge palpation (limitations of this technique)
- SAC classification will be introduced

12.00 – 1.00 pm Lecture 4. Patient assessment. Special investigations. (JS)

Learning Objectives:

- Candidates will understand that special investigations are an essential part of working a patient up for implant treatment (highlight limitations of examination alone)
- Candidates will be understand the advantages and disadvantages of the various imaging techniques that are available.
 - Candidates will understand the different types of radiographic stents that can be used. How these are constructed and their limitations. IOPA. Limitations.
 - DPT height of bone. General pathology. No 3D awareness.
 - Lateral Ceph. Height of anterior residual ridge. Good but only midline.
 - CT vs CBCT. What to image. What to ask for. Fields. Dosages.
- Candidates will understand the importance of prosthetic work up
 - Single tooth wax ups
 - Dentures
 - Use of prosthetic work flow and wax ups. What and where to wax.
 - Radiographic stents. Pros and Cons. How to make.
 - Introduction of digital workflow

1.00pm to 2.00pm LUNCH

2.00 – 3.00pm Implant surfaces (TBC)

3.00pm – 5.00pm Treatment planning table top



Day 2

9.00 am to 9.45 am Lecture 1 Implant placement. Getting started. (MB)

Learning Objectives:

Candidates will understand the importance of a sterile surgical set up. They will understand the key basic instrumentation that is necessary for implant surgery.

Candidates with have an understanding of different flap designs

- Simple. Envelope, 2 vs 3 sided
- Where should relieving incisions be preformed
- Periosteal release

Candidates will have an appreciation of surgical guides:

- Tooth borne vs mucosa borne
- Tooth position, Pilot and fully guided.
- Manufacturing techniques

9.45 am to 10.30am Lecture 2 Implant placement. Placement protocols 1 (JY)

Learning Objectives:

Crown down approach

Candidates will understand the placement protocol time frames in implant placement.

- ITI placement protocol discussion. Immediate vs delayed

Candidates will understand the need for different implant length and widths

- Considerations with length, width and number.
- Anatomical considerations
- Candidates will undertand the various staging protocols that are available
 - Loading protocols. 2 stage, 1 stage, immediate load

Candidates will be introduced to grafting concepts

- Grafting. 2 stage vesus simultaneous.
- Block vs GBR.
- Newer techniques, titanium mesh, custom mesh, sausage technique.

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10.45 am – 11.00 am Tea

11.00 am to 11.45am Lecture 3 Implant placement. Placement protocols 2 (JD)

Learning Objectives :

Candidates will appreciate the challenges of delivering implants to replace missing or traumatised teeth.

- Immediate vs Delayed
- Implants vs teeth
- The need for temporisation to achieve predictable emergence

11.45 am to 12.30 Lecture 4 - Anaesthetic, Sedation and Pain control (SS)

Candidates will understand the types of local anaesthetic and techniques that are needed to carry out implant placement.

- Articaine vs lignocaine
- Blocks and infiltrations. Avoid blocks in the mandible.
- Is there a place for long acting locals.

Indications and methods for IV sedation. Post-operative pain control Anti-inflammatories

12.30 to 1.00pm Lecture 5 Implant placement. Advanced techniques. (CB)

Learning Objectives:

Candidates will be given an awareness of advanced surgical techniques that are available:

- Zygomatics
- Nazilis
- Pterygoids
- Atrophic maxilla and mandible
- Soft-tissue augmentation
- Mini implants

1.00pm to 2.00pm LUNCH

2.00pm to 2.45 pm Steve Snook Innovations in Implantology

2.45 pm to 5.15pm IMPLANT PLACEMENT Table Top



Day 3

9.00 am – 9.45am Lecture 1. Implant prosthetic introduction and overview (KM)

Learning Objectives:

Candidates will be given an overview of implant prosthetics. Candidates will have understand different types of implant prosthetic design

Single crowns Bridges Abutment and fixture level restorations Overdentures Bar overdentures Stud retained overdentures Locater retained overdentures

Candidates will be understand that different materials can be used to create the above restorations.

Metal ceramic Metal acrylic Zirconia

9.45am – 10.30am Lecture 2. Implant single crowns and bridges (JL) Different systems get generic

Candidates will understand the difference between screw and cement retained crowns

- Superior aesthetic of cemented
- Ability to angle correct abutment
- Improved retention and resistance relative 20' uni abutments
- Screw retained more bulky. Retrievable.
- Simple to fit.

Candidates will understand the different types of implant bridges that are available

- Cantilever vs F-F
- Cantilevers where to place implant
- Implant tooth (Generally No No)

Candidates will understand that metal frameworks must be passive.

- Candidates will appreciate how this achieved and how challenging it can be
- Verification jigs
- Sheffield testing
- Re-setting master model

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Candidates will be introduced and understand implant Impression techniques

- Open vs closed tray techniques
- Special tray vs stock tray
- Internal vs external connection
- Fixture vs abutment level
- Seating radiographs
- Capturing soft tissue profile

Candidates will understand the process of fitting cement and screw retained prosthesis.

- Torque Wrenches.
- Different screw types.
- The importance of understanding torque
- The importance of cement control
- Importance of seating jigs
- Fitting custom abutments

10.30 am – 10.45am TEA

10.45am – 11.30am Lecture 3. Overdentures (CB)

Candidates will understand the following points about overdentures:

- When should we use
- Which attachment system
- Single attachments vs bars
- Different types of bars available
- When to use bars. Different ridge classifications.

11.30 am - 12.15 Lecture 4. Occlusal management of dental implants (SD)

Candidates will understand the correct occlusal management for the following prosthesis.

- Single crowns
- Bridges
 - o 3 units
 - Full arch
 - Metal Ceramic. Acrylic. (MC more difficult)
- Removable

12.15 – 1.15 pm Nigel Saynor (Talk to TBC)

1.15 pm - 2.00 pm LUNCH

2.00pm to 5.00 pm Practical placement and Restorative Table Top







DIGITAL TRAINING DAY

Day 4

9.00 am to 10.00am Introduction to Intraoral scanning. (GM)

10.00 am – 11.00am Design-Place-Scan-Restore. The digital workflow in fixed implant Prosthodontics. (GM)

11.00 am – 11.15am TEA

11.15 - 12.00 The digital workflow in removable implant Prosthodontics. Where do we stand. (GM)

Candidates will understand the following points about digital implant work:

- When should we use
- Workflow
- Digital planning
- Digital stent design
- Printing Digital stents
- Scanning intra-orally v Laboratory model scanning.
- Computer aided manufacture
- Printing versus milling.

3 lectures delivered by:



George Michelinakis DDS, MSc, MPhil, cert. (EPA)





Prosthodontist / Maxillofacial Prosthodontist at Crete Implants

12.00 – 1.00pm Speaker TBC

1.00pm – 2.00pm LUNCH

2.00pm – 5.00pm Practical

Candidates will understand how to upload CBCT scans and plan digitally implant placement.

3 digital planning software stations allowing training in: SIMPLANT run by TBC Blue Sky Bio run by Johanna Leven/Kevin Malin Nobel Clinician run by Julian Yates





Day 5

Candidates will understand the patient factors and experience following implant surgery and restoration.

9.00am - 10.45 am Reviewing patients in Prosthodontic clinical area (CB)

10.45- 11.00am TEA

11.00 am – 12.00 Sponsors Talk: Osstem. Immediate placement and loading using digital dentistry. (NO)

- 12.00 1.00pm Evidence based implantology: Review of the literature (CB)
- 1.00pm 2.00pm LUNCH
- 2.00 3.00pm Evidence based implantology: Review of the literature (CB)
- 3.00pm 3.15pm Planning your first case (CB)
- 3.15pm 3.30pm Who wants to be an implantologist
- 3.30pm -4.00pm Course debrief (CB)

Lecturers in order of appearance:

CB: Professor Craig Barclay SJ: Dr Sarra Jawad JL: Johanna Leven MB: Mr Mohamed Badr JY: Professor Julian Yates JD: Mr James Darcey SS: Ms Shilpa Shah SS1: Steve Snook KM: Mr Kevin Malin JS: Professor Julian Satterthwaite SD: Mr Stephen Davies NS: Mr Nigel Saynor GM: Mr George Michelinakis NO: Mr Nikhil Oberai