Computer - Guided Implantology

From 3D Visualization to
Fully Guided Clinical Application
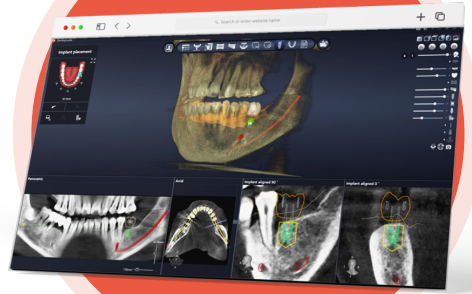
Course Highlights

Master Digital Implantology Workflows
Learn to seamlessly integrate CBCT, intraoral scans, and 3D printing.

Facial-Driven Smile Design
Optimize aesthetic outcomes with Digital Smile Design (DSD) and implant planning.

Hands-on Practical Training
Experience guided implant planning, guide design, and 3D printing.

AI-Enhanced Implant Planning
Utilize artificial intelligence for faster, more accurate surgical planning.

Your Path to Digital Implantology Mastery

- **Master Digital Implantology Workflows:**
  Seamlessly integrate CBCT, STL, and DICOM data into clinical practice.

- **Enhance Diagnostic Accuracy:**
  Explore advanced applications of CBCT and 3D imaging for precise implant planning.

- **Design, Fabricate, and Apply Surgical Guides:**
  Gain hands-on experience with guide creation and application. data into clinical practice.

- **Optimize Aesthetic and Functional Outcomes:**
  Apply facially driven planning for superior patient results.

- **Leverage Artificial Intelligence:**
  Enhance precision and efficiency in guided implantology with AI-powered tools.

- **Troubleshoot with Confidence:**
  Identify and resolve common challenges in guided surgery for patient safety.

Instructors

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BDS, MSc Oral & Maxillofacial | Radiology Clinical Implant Diploma | Digital Dentistry Consultant, DSD Certified Certified |CEO, Voxel3Di LTD, London, UK

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BDS, MFDS, M Pros, FDS RCSEd, FHEA Senior | Clinical Teacher & Consultant | Prosthodontist DClinDent in Prosthodontics Lead, University of Sheffield

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Early Bird
£299
(Discounted Rate) - Ending 01/9

Regular
£499

Saturday
29 Nov

Course Content

Theoretical Sessions

1. **Digital Implantology Workflow**
   Overview of digital tools and their clinical integration

2. **Diagnostic Applications of CBCT in Implantology**
   Pre-surgical planning and assessment of bone quality and anatomy.

3. **Integration of 3D Imaging with Digital Dentistry**

4. **5 Easy Steps to Create Your Guide**
   - Pre-surgical planning and assessment of bone quality and anatomy.
   - Diagnosis & Planning.
   - Guide design.
   - Guide Fabrication (3D Printing/Milling).
   - Clinical Application & Post-op Evaluation.

5. **Facial-Driven Smile Design Integrating Implant Planning**
   - Aligning aesthetic outcomes with functional implant positions.
   - DSD (Digital Smile Design), guided surgery, and facial aesthetics.

6. **Guide Design & 3D Printing**
   Designing the guide in software and exploring printing options/materials.

7. **Clinical Cases**
   Reviewing simple to advanced case examples.

8. **Guide Types & Guidance Systems**
   Different surgical kits, sleeves, and guidance protocols.

9. **Scanning Protocols**
   Best practices for CBCT, intraoral scanning, and merging datasets.

10. **Integrating AI with Implant Planning**
    Utilizing Artificial Intelligence for faster, more accurate workflows.

11. **Guide Components & Guidance Types (Kit Types)**
    Surgical kit designs, drill stops, keyless vs. keyed systems.

12. **Ways to Improve Patient Care with Guided Implantology**
    Practical tips on communication, accuracy, and clinical efficiency.

Practical Sessions

1. **Software Orientation & Initial Planning**
   - Navigating the user interface of a chosen implant planning software.
   - Mock planning exercises using demo patient cases.

2. **Advanced Software Hands-On**
   - Comprehensive step-by-step guide design.
   - Importing DICOM & STL files, aligning data, and finalizing implant positions.
   - Implant planning simulations on the software with immediate temporary restoration.
   - Guide design and report generation.

3. **Surgical Guide Validation**
   Checking fit, stability, and accuracy on models.

4. **Final Case Presentations & Group Discussion**
   - Participants discuss their digital planning.
   - Peer feedback and Q&A with the instructors..

Designed for **general dentists, dental specialists, and implantologists** seeking to incorporate or enhance **digital workflows** and fully guided implant placement techniques

Spots are limited

reserve yours today