Introduction to Digital Implantology

Prof. Ziad Salameh

Prof. Hesham Marei

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Total Core Academy
Dubai, UAE

Registration: Total Core Academy. Unit 806, Onyx Tower 1, The Greens, Sheikh Zayed Road, Dubai, UAE

+971 4 332 7389

+971 50 720 9717

+971 4 332 7773

+971 50 802 5214

www.totalcoreacademy.ae

event@totalcoreacademy.ae

for more information
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Prof. Ziad Salameh
DDS, MSc, PhD, FICD

• Prof. Salameh obtained his Doctor in Dental Surgery and DES in Prosthodontics from St.Joseph University, Beirut, Lebanon.
• He obtained a Master and PhD in "Biomaterials and their Clinical Applications" from Siena University, Italy.
• Currently he is a Professor and Director of the Research Center, and head of thedigital dentistry unit at the Faculty of Dental Medicine, Lebanese University, Lebanon.
• He is also a visiting professor at the University of Siena, Italy.
• He has more than 80 publications in PubMed indexed journals.
• He has lectured regionally and internationally and conducted several seminars.

Prof. Hesham Marei
MSc, FDS, DDS, PhD

• Professor and consultant Oral and Maxillofacial Surgery.
• Dean of College of Dentistry at Gulf Medical University, UAE.
• Graduated from Cairo University in 1997 and received his master and doctoral degrees in Oral and Maxillofacial Surgery from Suez Canal University, Egypt.
• Completed his clinical training in oral and maxillofacial surgery at Cardiff Dental School, UK.
• Obtained his fellowship in Dental Surgery in 2006 from the Royal College of Surgeons in London.
• Received a master's degree in medical education in 2012 and a PhD in health professions education in 2018 from Maastricht University in the Netherlands.
• He has over 40 publications in internationally recognized journals and his research focus is on the applications of 3D printing technology in dentistry, effect of chemotherapy on bone healing, osseointegration of dental implants, and use of virtual patients in dental education and medical professionalism.

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Introduction to Digital Implantology

Time	Lecturer	Subject
09:00 – 09:30		Registration
09:30 – 10:30	**Prof. Hesham Marei**	**A:** Concept of Guided implant surgery (static & navigational) **B:** Advantages of digital planning in implant dentistry **C:** Role of CBCT in guided implant surgery **D:** Different implant planning software **E:** Understand the design and difference between partial and fully guided protocols. **F:** Different technology of 3D printing
10:03 – 11:00		*Coffee Break*
11:00 - 12:30	**Prof. Hesham Marei**	**G:** Hands-on session on design and printing of surgical guide • Demonstration of different tools of implant planning software • Virtual implant planning • Design of surgical guide • Printing and finishing of surgical guide
12:30 – 14:00		*Lunch Break*
14:00 – 15:30	**Prof. Ziad Salameh**	**H:** Digital implant supported restoration: single to multiple crowns **I:** Intraoral scanner, laboratory scanner-Application of scan bodies **J:** Design of final restoration on abutment core file / cementation protocol on Ti-Base: screw retained vs cemented restoration. **K:** Materials selection **L:** Fabrication of implant crowns: milling, staining, and glazing
15:30 – 16:00		*Coffee Break*
16:00 – 17:30	**Prof. Ziad Salameh**	**M:** Hands-on training session on intra-oral scanning and design for implant prosthodontics: • Selection and scanning of scan bodies • Design of implant crown • Milling, staining, and glazing
17:30 – 18:00		*Q & A – Certificate Award*

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