

Title: ***DIGITAL IMPLANTOLOGY ERA MEETING LOADING PROTOCOLS & FUNCTIONAL OCCLUSION; A STORY TO TELL.***

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Abstract:

Digital planning of implant therapy ensures predictable and successful treatment by allowing clinicians to visualize the surgical procedure before they perform it. With this goal in mind, this Presentation lays out the latest research on implant dentistry as well as effective case presentations to demonstrate most recent imaging and surgical techniques.

Aim/Hypothesis:

As implant dentistry relies more and more on digital technology, clinicians owe it to their patients to educate themselves on the most current tools available, and this presentation might help.

Many practitioners ask frequently, why they should go digital? when should they make the jump? or is the technology ready? The answer is; With the digital workflow and guided prosthetics, your procedure is based on esthetics and the overall clinical situation.

Material and Methods:

Practitioners are guided through the process of using digital tools at every stage of treatment, from developing the treatment plan to surgical execution. The authors detail the specifications of guided surgical procedures, review the latest 3D radiology options and software currently available, and present full case studies with stunning photographs.

Planning is top to bottom so to speak, because you have already decided on the outcome or what the restoration will look like before you begin the implant treatment. Moreover, because you are merging CT and intraoral scans you are basing these decisions on available bone, adjusting teeth as well as soft tissue conditions. Working this way provides you with so many advantages in terms of esthetics, fit and function, and in creating the corresponding surgical guide.

Now beside the clinical advantages of prosthetically-driven guided surgery, which include increased predictability, faster implant surgery and more patient comfort, you or your partners can now also deliver complete implant treatment packages to the patient at the day of surgery.

Results:

Complete treatment packages that include the surgical guide and prosthetic components like customized or screw-retained abutment plus a temporary crown.

On the same scale, occlusion has been & still a unique phenomenon subjected to different debates as well as research strategies. It is also considered as a common sense based on basic principles. The world of occlusion (particularly implant

occlusion), is a very complicated one. The difficulty within researches in this field is that; many important issues can be subjective and sometimes impossible to be improved scientifically; the multiple circumstances that occur in this environment are hard to be identified. In this session, most of the controversial questions will be answered in a precise manner.

Conclusion and Clinical implications (500 characters max.)

In such an oral presentation, we could achieve the following conclusions, regarding

- Timing of occlusal adjustments in implant work.
- Perfecting implant Positioning and angulation could be Digitally easier.
- Occlusal interferences and their effect on the temporomandibular joint.
- Adjustment of different loading protocols with digital assistance.
- Perfecting implant as well as natural teeth occlusion.

Keywords: Digital Implantology, Pre-operative planning, Implant Occlusion, Loading Protocols, Prosthetically-driven approach.

Biography:

EDUCATION

- ***PhD (DOCTOR degree) in IMPLANT_ PROSTHETIC DENTISTRY – Kasr El Aini - Cairo University 2013.***
- ***MSc (MASTER'S degree) in IMPLANT_ PROSTHETIC DENTISTRY – Kasr El Aini - Cairo University since 2010.***
- **Associate professor in PROSTHETIC DEPARTMENT –CAIRO UNIVERSITY.**
- **Lecturer in PROSTHETIC DEPARTMENT –CAIRO UNIVERSITY** ***since 2013 till 2017.***
- **Assistant lecturer in PROSTHETIC DEPARTMENT –CAIRO UNIVERSITY** ***since 2010 till 2013.***
- **Demonstrator in PROSTHETIC DEPARTMENT –CAIRO UNIVERSITY** ***since 2007 till 2010.***
- ***RESIDENT IN PROSTHETIC DEPARTMENT –CAIRO UNIVERSITY since 2004 till 2007.***
- ***UNIVERSITY*: BA degree** from the **Faculty of Dentistry** year 2002,

  Kasr EL-Aini, Cairo University- Egypt with grade "*EXCELLENT WITH HONOURS*".

PROFESSIONAL EXPERIENCE & ADVANCED TRAINING ACTIVITIES

- ***DIPLOMAT IN DENTAL IMPLANTS 2003, Ain Shams University with 208 credit hours.***
- ***Advanced courses in dental Implantology.***
- ***Membership in ICOI, DGOI, ESOR, ESSDI.***
- ***Fellowship of ICOI.2008***
- ***Mastership of ICOI.2012.***
- ***DIPLOMAT OF ICOI.2016***
- ***Well familiar with all dental implant systems.***

- ***Performing up to 3000 cases of implants with different treatment modalities.***
- ***Performing up to 100 cases of maxillofacial prosthesis with different treatment modalities.***
- ***Attendance of most dental conferences held in Egypt since 1998.***
- ***International speaker in many of worldwide conferences.***

  - ***Greater New-York Meeting.***
  - ***African Congress of Dentistry & Implantology (ACDI).***
  - ***AEEDC-Dubai.***
  - ***Academy of Osseointegration-San Diego.***
  - ***ICOI Annual Meeting-Barcelona-Spain.***
  - ***Bioleagues dentistry & oral health summit.***
  - ***FDI annual meeting-Poland.***
  - ***Email Dentaries summit, Algeria.***

REGARDS