Title: ***IMPLANT-ASSISTED OVERDENTURES; A PARADIGM RELOCATION & SIMPLIFICATION...***

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Abstract:

Completely edentulous patients often have problems with their complete dentures; a treatment modality of using two, four or six implants to support an overdenture has been proposed to improve the retention as well as the stability of the conventional denture, in addition to preserving the residual alveolar bone. Several worldwide research studies tested the impact of implant-assisted overdentures on satisfaction and quality of life and concluded that; individuals with implant-assisted overdentures were more satisfied and had a better oral health quality than others with conventional dentures.

Implant-supported overdentures are indicated in clinical conditions requiring high values of retention and stability; such as cases of high muscle attachments.

Implant-retained overdentures offered a simpler, cheaper and equally successful prosthetic solution compared to the fixed restorations in the rehabilitation of maladapted edentulous mandibles. Moreover, they provide enhanced masticatory function, higher patients' satisfaction and quality of life than the conventional complete dentures.

Systematic reviews comparing implant-supported overdentures retained by utilizing a wide range of attachment mechanisms were recently published. The

implant-supported treatment modality might be in the form of splinted implants (e.g. bar-retained overdentures), or unsplinted implants (as in case of ball, locator or magnetic attachments).

Owing to the smaller space requirements, ease of cleaning, more economical achievement and lower technique sensitivity; unsplinted attachments have been preferred over splinted ones. The most common maintenance requirement of any overdenture attachment, found to be the renewal or reactivation of the retentive element.

Inadequate inter-arch space found to be one of the major causes of bulk fracture of the acrylic denture base. Furthermore, it might lead to inappropriate positioning of the denture teeth with subsequent esthetic & phonetic problems. Locators attachments presented the lowest profile of the currently available stud attachments.

Findings suggested that; depending on the attachment system used, the degree of patient satisfaction is directly affected by the amount of retention and stability of the implant-supported overdenture.

Learning Objectives:

1- Detailed amplification of the implant-supported overdentures.

2- Measuring the degree of patient satisfaction.

3- Simplifying the procedures of overdenture construction.

4- Practical measurements of optimum number of implants to be utilized.

5- Different construction approaches of implant-assisted overdentures in both arches.

KEYWORDS: ***Overdenture, Implants, Attachment, Locators.***

Biography:

EDUCATION

- ***PhD (DOCTOR degree) in IMPLANT_ PROSTHETIC DENTISTRY – Kasr El Aini - Cairo University 2013.***
- ***MSc (MASTER 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 of 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.***



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