







An example of a simple tooth supported overdenture patient with two remining natural teeth which have been treated with root canal therapy and cut off near the FGM.

Why bother to save any remaining teeth?



Source: Atwood, D.A., Reduction of residual ridges: A major disease entity. J. Prosthet. Dent 26 (1971) 266-279

Classification of the amount of resorption of the mandible as described by Atwood. Six groups were originally described, and four are represented here.









placement. Of the subjects reviewed 32% were of this type.

The lack of any remaining teeth means we have only the mucosal surface to support our lower denture.

In the past 20+ years, the implant supported overdenture has been gaining in clinical acceptance and patient demand.



A patient treated with two ball anchor type implants to support a lower overdenture.

Source: Jeff Shotwell, University of Michigan, 2008

Development Of Overdentures

Neils Brill

Adaptation and The Hybrid Prosthesis

J. Prosthet Dent 5:811-24 1955

Classification of Overdentures

- •Immediate
- •Transitional

•Remote

Advantages of Overdentures

*Support And Stability *Ridge Preservation *Increased Biting Force For Patient *Proprioception *Retention *Psychological Advantages For Patient

Terminology

***Overlay Denture**

*Hybrid Prosthesis (European)

*****Telescoping Denture

*Tooth Supported Denture

*Overdenture

Physiologic Basis For Overdentures

*Sensory Input From Periodontal Receptors
*Alveolar Bone Preservation
*Occlusal Forces Substantially Increased
*Masticatory Performance
*Tooth Mobility Greatly Reduced



This Is The Type Of Patient Who May Benefit From Overdenture Treatment





Reshaping of the alveolar process post extraction





Physiologic Basis For Overdentures

*Sensory Input From Periodontal Receptors *Alveolar Bone Preservation *Occlusal Forces Substantially Increased *Masticatory Performance *Tooth Mobility Greatly Reduced





Psychological Advantages For The Overdenture Patient

"I still have some of my own teeth."

If the teeth are lost later due to caries, the transition and adaptation to complete dentures has been made more gradually.

Factors Involved In Less Than Favorable Outcomes

- *Unrealistic expectations on the part of the patient
- *Ineffective communication with the patient
- *Failure in patient compliance
- *Endodontic / Periodontic Failure
- *The use of compromised teeth as abutments
- *Misunderstandings relative to fees



Treatment of patients in which expectations were not mutually acceptable to the treating dentist and / or the patient

- *I probably did not listen to my intuition.
- *There were warning signs with the patient that I either ignored or "talked myself out of".
- *I didn't want to disappoint the patient.
- *I was afraid of a confrontation if I "stood my ground".

Classification of Overdentures

Immediate

Transitional

Remove (Definitive)

Immediate Overdentures











Transitional Overdentures

Made by converting an existing removable partial denture to a full denture as a temporary appliance.





Maxillary Overdentures To Prevent Combination Case Syndrome









Patient with heavy occlusal function unlike the previous patient











