

# 6<sup>th</sup> Indian Dental Congress

November 23-25, 2015 Bengaluru, India

## A Biological Study of two different treatment modalities for Mandibular Partially Edentulous Cases with Pier Abutment

**Wessam Mohamed Dehis**  
National Research Center, Egypt

The purpose of this in-vivo study was to compare the effect of both Conventional metallic partial denture and Telescopic one on the bone height of the three main abutments in Kennedy Class I patients with pier abutment. Fourteen patients of mandibular Kennedy Class I classification with pier abutment were divided into two groups; Group I received Conventional removable partial dentures, while the other group received Telescopic removable partial denture. The supporting structures of the removable partial dentures were clinically and radiographically evaluated, and bone height was the evaluated parameter. After baseline recording following denture insertion, subsequent measurements were obtained at regular follow up appointments 3, 6 months. Radiographic evaluation was performed using the Digora system, Acrylic template was constructed for each patient. The linear measurement system supplied by the software of the Digora machine was used for recording changes in bone height mesial and distal to the main three abutments. Comparison was performed between both Vitallium and Telescopic group using independent t-test resulting in insignificant difference for all follow up intervals (P value > 0.05). Conventional metal RPI clasp and telescopic removable partial denture were both clinically and biologically successful. However, Telescopic removable partial denture is superior to the conventional removable partial denture.

### Biography

Wessam Mohamed Dehis has completed her PhD at the age of 31 years from Cairo University and she is a Researcher at Oral Removable Prosthodontics Department, Oral and Dental Medicine Division, National Research Center, Cairo, Egypt, 2014. She is a member in many scientific committees. She has both organized and participated as a speaker in many international conferences in and outside Egypt. She has published more than 5 papers in reputed journals and has both organized and prepared many symposiums.

[wewedehis@gmail.com](mailto:wewedehis@gmail.com)

### Notes: