

28th Asia Pacific Congress on

DENTAL AND ORAL HEALTH

July 10-12, 2017 Kuala Lumpur, Malaysia

Conservative prosthetic rehabilitation: Case report

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Aim: Conservative treatment is one of the main concerns in prosthetic dentistry recently. The aim of this case is to renew the prosthesis and restore the patient class-III occlusion to class-I by restoring the function and esthetics conservatively.

Case: A healthy 54 year-old male patient with a complaint of loss posterior lower teeth and also the retention and stabilization in maxillary old complete denture with class-III occlusion, referred to the Department of Prosthodontics, Near East University, and Faculty of Dentistry.

Findings & Treatment: The patient missed all upper teeth and was using complete denture. He had a severe bony prominence on the right and left buccal side of the maxillary alveolar ridge which may due to the prolonged use of the denture, previously done surgical procedures and some infections. Moreover, missed lower posterior teeth were detected during intraoral and radiographic examination. Periodontal and root canal treatments for #43 and #34 were applied. Ceramic fused metal crowns were carried out for #34, #43 and #44. Removable partial denture for lower and complete denture for the upper jaws were designed and renewed. The exostosis was not planned to extract surgically for the retention of the denture and protection of the crest for the future implant treatments. Vertical dimension of the final new denture was modified and the class-III occlusion was changed to class-I relation.

Conclusion: Treatment planning is directly influenced by the clinical and radiographic examinations of the patient. If right conservative treatment decisions were applied the results will be more satisfactory and convenient for both the patient and the dentist.

Biography

Ammar Kayssoun has completed his primary and secondary education at Hashim Atasi College and High School Education at Al Zahrawy High School. He continued his education at the Faculty of Dentistry at International University for Science and Technology (IUST). He was transferred to Near East University (NEU), Faculty of Dentistry in 2013 and obtained DDS from NEU in 2015 and was admitted to the PhD program at Near East University, Faculty of Dentistry, Department of Prosthodontics. Computer-aided design/computer-aided manufacturing, digital smile design, dental implantology and aesthetic prosthetic restorations are among his main areas of interest.

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