

Rehabilitation of the worn dentition: Are there alternative approaches to the traditional one?

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Abstract

Tooth wear has for long received much attention in an anthropological context. In contrast, the dental literature had afforded it less attention until about the mid-1990s, when reports began appearing about the very high prevalence, in children and in adolescents, of tooth wear, due in the main to dental erosion. These findings appear to have triggered a strong interest in the subject, and over the past 10 years approximately 1500 publications have appeared in the PubMed database using the search terms "tooth erosion" or "tooth abrasion" or "tooth attrition". This represents a 50% increase over the preceding decade, in research covering the various areas of the field. This presentation will briefly highlight some of the key areas of current interest, including topics such as mechanisms of wear, diagnosis, effects arising from systemic diseases – but in the main the focus will be on the different aspects of the management of the worn dentition. From the traditional invasive approach to managing tooth wear, treatment nowadays is increasingly aimed at correcting or improving the effects of wear by a minimally-invasive nature. Therapeutic approaches, including novel ones arising from the rapid developments in dental materials science will be reviewed. The need for more clinical trials on these newer approaches will be stressed.

Speaker Publications:

1. "Effects of Impression Material, Impression Tray Type, and Type of Partial Edentulism on the Fit of Cobalt-Chromium Partial Denture Frameworks on Initial Clinical Insertion: A Retrospective Clinical Evaluation", International Journal of Prosthodontics/Vol 31issue 2
2. "Impact of Removable Partial Dental Prostheses on the Oral Health-Related Quality of Life of a South African Cohort with Varied Distributions of Missing Posterior Teeth: Impact of Partial Dentures on QoL", Journal of Prosthodontics / Vol 28 Issue 1
3. "Assessment of Factors Affecting Partial Removable Dental Prostheses Framework Fit: A Clinical Prospective Study", International Journal of Prosthodontics/ Vol 32 Issue 6:497-502
4. "Evaluation of the marginal fit of a CAD/CAM zirconia-based ceramic crown system", The International journal of prosthodontics/ June 2020
5. "Changes in conditions related to reported oral and general health over a ten-year period as reflected in two cohorts of 75-year-old subjects examined in 2007 and 2017", Journal of Oral Rehabilitation/ August 2020

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Biography:

Ridwaan Omar completed his academic and professional education at Guy's Hospital Dental School, University of London and Eastman Dental Institute, University of London. He is the Head of Prosthodontics and serves as Vice Dean for Academic and Clinical Affairs. He has published more than 60 papers in reputed journals and has been serving as an Editorial Board Member of several scholarly international journals repute.