

CONTEMPORARY PROSTHETIC TREATMENT FOR CHALLENGING PATIENTS WITH MULTIDISCIPLINARY APPROACH

**Asst. Prof. d-r Budima Pejkovska Shahpaska, Prof. d-r Ivona
Kovacevska, Prof. d-r Katerina Zlatanovska, Prof. d-r Kiro
Papakoca, Asst. Prof. d-r Bruno Nikolovski, dr. spec Vesna
Trpevska, PhD**

INTRODUCTION

- In the dental office, challenging patients are in need for complex dental treatment.¹
- Sometimes these patients need orthodontic treatment, or pre-prosthetic surgery, or therapy with splints before we proceed contemporary dental prosthetic treatment.²

Saudi Dental Journal (2020) 32, 7-14

King Saud University
Saudi Dental Journal
www.ksu.edu.sa
www.sciencedirect.com

الجمعية السعودية لطب الأسنان
SAGDENTIST SOCIETY

REVIEW ARTICLE

Pre-prosthetic orthodontics

Hayam Alfalaj*

Department of Dentistry, College of Dentistry, King Saud bin Abdulaziz University for Health Sciences, Riyadh, Saudi Arabia
King Abdullah International Medical Research Center, Riyadh, Saudi Arabia
Department of Prosthetics and Dental Geriatrics, Faculty of Dentistry, The University of British Columbia, Vancouver, Canada

Received 3 May 2019; revised 19 August 2019; accepted 21 August 2019
Available online 27 August 2019

KEYWORDS
Orthodontic;
Interdisciplinary;
Crown-lengthening;
Worn-teeth;
Tilted-molar

Abstract For some patients, pre-prosthetic orthodontic intervention is necessary to optimize both esthetic and functional aspects of dental treatment. This review will focus on the following topics: orthodontics treatment with multiple missing teeth, correction of anterior deep vertical overlap, anterior worn dentition, up-righting of tilted teeth, and orthodontic crowns lengthening. This review will aid restorative dentists in identifying which patients could benefit from orthodontic intervention, and in understanding how orthodontic treatment can be utilized to improve patient prognosis in restorative treatment.
© 2019 Production and hosting by Elsevier B.V. on behalf of King Saud University. This is an open access article under the CC BY-NC-ND license (<http://creativecommons.org/licenses/by-nc-nd/4.0/>).

AIM

To present the contemporary prosthetic dental treatment for challenging patients with multidisciplinary approach and to potentiate the diversity the each patient possesses.

MATERIALS AND METHODS

- Patients that are challenging to treat require multidisciplinary approach.
- For young adult patients - orthodontic treatment plan respecting different skeletal classes by Angle. Some patients had crown lengthening performed, after which fixed dental constructions were manufactured.
- In patients that had temporomandibular dysfunctions, from etiology like partial edentulism, bruxism experiencing pain in the orofacial area, cone beam computer tomography was performed.
- Splint was manufactured before the prosthetic rehabilitation.