

HEB



JOPD

Journal of Prosthodontics Dentistry
An Official Publication of Bureau for Health & Education Status Upliftment
 (Constitutionally Entitled as Health-Education, Bureau)

Application of digital technology in full mouth rehabilitation using PMS technique – A case report

*Dr Darshana Shah¹, Dr Chirag Chauhan², Dr Krina Merchant³,
 Dr Nidhi Rathod³, Dr Drashti Pandya³*

1. Professor and Head of Department, Department of Prosthodontics, Crown and Bridge and Oral Implantology, Ahmedabad Dental College and Hospital.
2. Professor, Department of Prosthodontics, Crown and Bridge and Oral Implantology, Ahmedabad Dental College and Hospital.
3. PG student, Department of Prosthodontics, Crown and Bridge and Oral Implantology, Ahmedabad Dental College and Hospital.

Corresponding Author: Dr Krina Merchant, Department of Prosthodontics, Ahmedabad Dental College and Hospital, Ahmedabad.

Email Id: serviceheb@gmail.com

ABSTRACT: This case report presents a comprehensive overview with digital approach of full-mouth rehabilitation utilizing the Pankey-Mann-Schuyler philosophy in a patient exhibiting generalized attrition and a disturbed occlusal plane. The patient, an 80-year-old male, presented with complaints of difficulty in chewing due to extensive wear of teeth. Clinical examination revealed significant loss of tooth structure, particularly in the posterior regions, leading to a disrupted occlusal plane and loss of vertical dimension. The treatment approach followed the principles of the Pankey-Mann-Schuyler philosophy, emphasizing the establishment of harmonious occlusion, restoration of vertical dimension, and enhancement of facial aesthetics. Treatment plan included establishment of anterior guidance first at raised vertical dimension followed by simplified occlusal plane analysis to establish the plane of occlusion and rehabilitation of posterior teeth accordingly. Provisionalization was done and observed for 4 weeks for tolerance of patient to new vertical dimension, followed by fabrication of final prosthesis using digital workflow. The rehabilitation process aimed to restore optimal function, aesthetics, and patient satisfaction while addressing the underlying causes of tooth wear and occlusal disharmony. This case highlights the effectiveness of the Pankey-Mann-Schuyler philosophy in guiding complex full-mouth rehabilitation cases.

Keywords: Full mouth rehabilitation, Pankey Mann Schuyler philosophy, Anterior guidance, Simplified occlusal plane analysis, Digital workflow.

Access this Article Online

Website: <http://heb-nic.in/jopd>

Received on 12/04/2024

Accepted on 22/04/2024 © HEB All rights reserved

Quick Response Code:

