



HEB

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

JOPD

Simplified and Economical 3-In-One Complete Denture Treatment Plan – A Case Report

*Dr. Shally Rana¹, Dr. Rajshree Bhandari², Dr. Dushyant Soni³, Dr. Amrit Assi⁴,
 Dr. Kshitija Hatkar⁵, Dr. Rushita Dodia⁶.*

1. Postgraduate student, Department of Prosthodontics and Crown & Bridge and Implantology, Vyas Dental College & Hospital, Jodhpur, Rajasthan, India.
2. Reader, Department of Prosthodontics and Crown & Bridge and Implantology, Vyas Dental College & Hospital, Jodhpur, Rajasthan, India.
3. Professor and Head, Department of Prosthodontics and Crown & Bridge and Implantology, Vyas Dental College & Hospital, Jodhpur, Rajasthan, India.
4. Senior Lecturer, Department of Prosthodontics and Crown & Bridge and Implantology, Vyas Dental College & Hospital, Jodhpur, Rajasthan, India.
5. Postgraduate student, Department of Prosthodontics and Crown & Bridge and Implantology, Vyas Dental College & Hospital, Jodhpur, Rajasthan, India.
6. Postgraduate student, Department of Prosthodontics and Crown & Bridge and Implantology, Vyas Dental College & Hospital, Jodhpur, Rajasthan, India.

Corresponding Author: Dr. Shally Rana

Correspondence Email ID: serviceheb@gmail.com

ABSTRACT

Acrylic resin is most commonly used in dentistry for the fabrication of complete/partial removable denture bases since it is aesthetic and economical. But, it is not an ideal material as it does not meet the mechanical requirements of the complete denture prosthesis and is prone to frequent fracture. The fracture risk increases considerably especially when the denture base is thin and masticatory forces are high. Use of metal mesh is one of the several methods to mechanically reinforce the resin.

Superficial area of movable soft tissue involving the maxillary or mandibular alveolar ridge is known as a Flabby ridge. It develops when alveolar bone is replaced by hyperplastic soft tissues. It is more commonly observed in the maxillary anterior region of long term denture wearers. This flabby soft tissue can be distorted if excessive forces are applied during the impression procedure and this in turn can adversely affect the retention, support and stability of complete dentures. And, therefore it needs appropriate management by special impression techniques.

Mandibular resorbed ridge requires various treatment modalities in order to achieve a stable denture. The simplest approach is to use all of the available supporting tissues by maximally extending the denture base within physiological limits. To achieve this, a good impression of the denture bearing area of the mandibular resorbed ridge is needed.

This case report addresses above three problems in a single complete denture patient with history of repeated maxillary removable denture fracture, clinically flabby anterior maxillary ridge mucosa and resorbed mandibular alveolar ridge,

KEYWORDS- Acrylic resin, complete denture, flabby ridge, impression technique, mandibular resorbed ridge.

Access this Article Online

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

Quick Response Code:

Received on 20/05/2025
 Accepted on 29/05/2025 © HEB All rights reserved

