



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

## Functional prosthetic rehabilitation of acquired partial maxillectomy defect in case of mucormycosis with obturator: A Case Report

Dr. Sanjay B. Lagdive<sup>1</sup>, Dr. Rupal J. Shah<sup>2</sup>, Dr. Jaydeep Katariya<sup>3</sup>,  
 Dr. Meet A. Dodia<sup>4</sup>, Dr. Yash Ghadiya<sup>5</sup> & Dr. Ami Panchal<sup>6</sup>

<sup>1</sup> Professor,

<sup>2</sup> Professor and HOD


<sup>3,4,5,6</sup> PG student, Department of Prosthodontics and Crown and Bridge, Government Dental College and Hospital, Ahmedabad

**Email Id:** [serviceheb@gmail.com](mailto:serviceheb@gmail.com)

### ABSTRACT:

A maxillofacial prosthesis expects to supplant missing oral or facial structures and its related functions; however, the rehabilitation gets questionable when patients acquire maxillary defect caused by extensive debridement of oral and/or facial structures and the post-careful radiation treatment may hold-up reconstructive methods and embed treatment. After full recovery, when the patient is used to the interim prosthesis, a permanent prosthesis is inserted. The definitive obturator ensures improved retention and stability and requires thorough design preparation for long-term use. Ordinary obturators developed out of polymethyl methacrylate can be dependable interim prostheses. In the present case report, a prosthesis was fabricated using polymethyl methacrylate (to create a conformer) and silicone material (to manufacture superstructure lining). The definitive prosthesis was intended to achieve double mechanical maintenance utilizing an anatomic undercut (conformer) and physically made mechanical undercut (superstructure lining). The goal was to keep up the functional strength of the basic postsurgical tissue, life span of the prosthesis, aesthetics, and satisfactory maintenance.

**Keywords:** mucormycosis, oro-antral communication, prosthodontic rehabilitation

Access this Article Online	<b>Quick Response Code:</b> 
Website: <a href="http://heb-nic.in/jopd">http://heb-nic.in/jopd</a>	
Received on 03/03/2021	
Accepted on 10/03/2021 © HEB All rights reserved	