



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

Evaluation of Pressure under Complete Dentures at Denture Base-Mucosal Surface Interface with Two Different Occlusal Systems

¹Dr. Ruhee Sangha, ²Dr. kamlesh Vasudava, ³Dr. Jagmohan Lal, ⁴Dr. Ansuia Gupta, ⁵Dr. kanta Mittal & ⁶Dr. Mohit Bansal

¹Professor, Department of Prosthodontics, Rayat-Bahra Dental College and Hospital, Punjab.

²Professor, Former H.O.D and Principal, Department of Prosthodontics, Govt. Dental college and Hospital, Patiala, Punjab.

³Professor, Former H.O.D and Principal, Department of Prosthodontics, Govt. Dental college and Hospital, Patiala, Punjab.

⁴Professor, Department of Prosthodontics, Govt. Dental College and Hospital, Patiala, Punjab.

⁵Associate Professor H.O.D, Department of Prosthodontics, Govt. Dental College and Hospital, Amritsar, Punjab.

⁶MDS, Public Health Dentistry, private practitioner,


Email Id: serviceheb@gmail.com

Objective: To evaluate pressure under complete dentures at denture base-mucosal surface interface with two different occlusal systems.

Materials and Methods: Two sets of complete dentures were constructed for 16 patients, one with anatomic occlusion system and another with lingualized occlusion system. Strain gauges were mounted on the impression surface of each set of dentures in diagonally opposite positions under first molar region. Pressure was measured with demonstration instrumentation kit during: a) Mastication and Swallowing with test food, b) Swallowing without test food. Appropriate statistical tests were used to find outcome of the study.

Results and Conclusion: When comparing the anatomic and lingualized occlusal systems, there is no significant difference in the recorded maxillary pressure. Pressure values were highly significant in the mandibular denture when comparing anatomic and lingualized occlusal systems.

Keywords: *Complete dentures, lingualized occlusion, anatomic occlusion, Strain gauges.*

Access this Article Online	Quick Response Code: 
Website: http://heb-nic.in/jopd	
Received on 11/08/2021	
Accepted on 25/08/2021 © HEB All rights reserved	