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Priyanka Tiwari

Penang International Dental College, Malaysia

Comparison of the ability of two border molding materials in recording the functional lateral throat form in completely edentulous mandibular arches an *In vivo* study

Introduction: The lateral throat form is the distal end of the alveolingual sulcus which is also known as distolingual vestibule and retromyohyoid fossa. This area should be recorded properly in the mandibular denture because it provides proper border seal, retention and provides favourable inclined planes to the tongue resulting in vectors of force that help maintain the mandibular denture in place.

Material and Method: In this study, there were two materials which was used to check the lateral throat form in 20 patient's mouth. The MSC gauge was redesigned measure the lateral throat form. The lateral throat form was checked in the mouth and during functional movement i.e. during border moulding.

Result: The results showed that the highest mean value of 15.70mm seen in mouth, followed by 14.95mm seen by tissue conditioner and 14.30mm seen by low fusing. The results are highly significant showing a 'p' Value of <0.0001.

Conclusion: There are differences between the lateral throat form recorded in the patient's mouth and in the functional state. Hence both of the material can be used according to the patient's anatomy.

Key words: Lateral throat form, Distolingual vestibule, Retromyohyoid fossa, Mandibular denture, Low fusing

compound, Tissue conditioner, MCS gauge.

Biography

Dr. Priyanka Tiwari did her Bachelor's in Dental Surgery (BDS) from People's Dental Academy, Bhopal (M.P.), and India and did her Master's in Dental Surgery (MDS) in Prosthodontics from K.M. Shah Dental College & Hospital, Vadodara, (Gujarat), India. Completed a Certificate course by the name "JADE: Joint Alliance Duke-NUS Education Certificate Program in Medical Affairs" in 2020 from Singapore Duke-NUS Medical University. She has 6 years of experience including teaching & clinical in various eminent hospitals, college and clinics. She practices Prosthodontics as well as general dentistry. In the beginning of her career, she was invited to appear LIVE twice on GSTV channel in the program name YES DOCTOR SHOW in July 2014 & September 2014 which made her a known face in her field in Ahmedabad. She has 6 publications in various national & international journals. She has done 3 researches. She is a part of reputed associations in India i.e. Indian Dental Association (IDA) and Indian Prosthodontic Society (IPS). She attended 20 national, interdisciplinary & international conferences. She presented 5 papers, 1 poster & performed 1 table clinic. Additionally, was actively involved in Evidence Based Dentistry system (EBD) of teaching & learning. Also organised, together with her department the prestigious 41st IPS Conference in Ahmedabad, (Gujarat), India. She was also invited in 2018 as a Speaker & Chairperson in 2 international conferences to Kuala Lumpur, Malaysia and Bali, Indonesia. She has been invited in 2020 to become a Speaker in 2 International Conference in Bangalore, India and Rome, Italy. Finally she is also a Reviewer to 10 national & international journals. Editorial board member in 3 international journals.

drpriyankatiwari1@gmail.com

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