



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

**Accuracy of Stone Cast Obtained from Alginate Impressions Made  
 Inperforated and Non Perforated Rim-Lock Trays**

Dr Debabrata Biswas<sup>1</sup> & Dr Saurav Banerjee<sup>2</sup>


<sup>1</sup>Associate Professor, Burdwan Dental College and Hospital, West Bengal

<sup>2</sup>Assistant Professor, Burdwan Dental College and Hospital, West Bengal.

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

**ABSTRACT**

Various factors can cause distortion in irreversible hydrocolloid impressions and subsequent inaccuracies in stone casts. Dental manufacturers have developed impression material capable of acceptable accuracy in clinical use but little attention has been given to the possibility of reducing distortion by eliminating the restrictive influences of the tray. The present study was undertaken to evaluate the accuracy of stone cast obtained from irreversible hydrocolloid impression made in perforated metal tray, non perforated metal tray and perforated plastic tray. The casts obtained from perforated metal tray were more accurate in respect of length of the arch and non perforated rim lock tray were more accurate in respect of width and vertical distance when compared with that of master model.

Access this Article Online	Quick Response Code: 
Website: <a href="http://heb-nic.in/jopd">http://heb-nic.in/jopd</a>	
Received on 17/12/2020	
Accepted on 24/12/2020 © HEB All rights reserved	