Short Communication

European Journal of Prosthodontics

Access this article online

DOI: 10.4103/EJP.EJP_2_17

Website: www.eurjprosthodont.org

Quick Response Code:

A simple technique for making the final ocular impression

Sunil Kumar Mishra, Ramesh Chowdhary[1], Srinivasa B Rao[2]

Department of Maxillofacial Prosthodontics and Implantology, Peoples College of Dental Sciences and Research Centre, Bhopal, Madhya Pradesh, [1]Department of Maxillofacial Prosthodontics and Implantology, Rajarajeshwari Dental College, Bengaluru, [2]Department of Maxillofacial Prosthodontics and Implantology, Gitams Dental College, Visakhapatnam, Andhra Pradesh, India

ABSTRACT

Different impression techniques have been given in literature for the fabrication of ocular prosthesis. An accurate impression is required for the perfect fitting of the prosthesis. This article describes a modified impression with the help of dispensing gun with simple, accurate and time saving technique.

KEYWORDS: Custom tray, eye prosthesis, orbital impression

Various impression techniques had been suggested for making the ocular impressions.[1] Brown[2] suggested syringe technique and Jethwani *et al*.[3] suggested hollow handle technique for making impression, but drawback with this techniques was that the impression materials had to be loaded in the syringe before making impression. This article describes a simple, accurate, and time-saving technique, where the impression can be made directly with the dispensing gun using mixing tip without the need of attaching and loading the syringe.

Procedure

1. Make the primary impression of the defect with putty consistency addition silicone (Reprosil, Dentsply, Milford, USA) impression material, and pour the impression with type II dental plaster (Kalabhai, Mumbai, Maharashtra, India)
2. Fabricate the special tray with cold cure clear acrylic resin (DPI, Mumbai, India) and make escape vents for the escapement of excess impression material
3. Attach a mixing tip (Reprosil, Dentsply, Milford, USA) to the special tray [Figure 1a]
4. Place the special tray in the ocular socket for making the final impression of the ocular defect. Connect the dispensing gun (Heraeus Kulzer, Dormagen, Switzerland) to the mixing tip attached to special tray and inject the impression material (Regular viscosity addition silicone, Reprosil, Dentsply, Milford, USA) [Figure 1b]
5. The patient was instructed to do ocular movements to get functional impression of the socket.

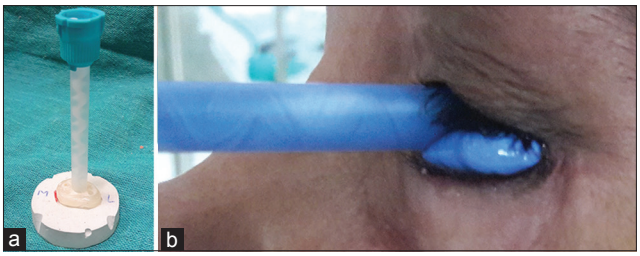

Figure 1: (a) Special tray fabricated with mixing tip attached to it. (b) Final impression made with impression material injected with dispensing gun

Address for correspondence:
Dr. Sunil Kumar Mishra,
Department of Maxillofacial
Prosthodontics and Implantology, Peoples College of Dental Sciences and Research Centre,
Bhopal, Madhya Pradesh, India.
E-mail: drsunilmishra19@gmail.com

How to cite this article: Mishra SK, Chowdhary R, Rao SB. A simple technique for making the final ocular impression. Eur J Prosthodont 2016;4:60-1.

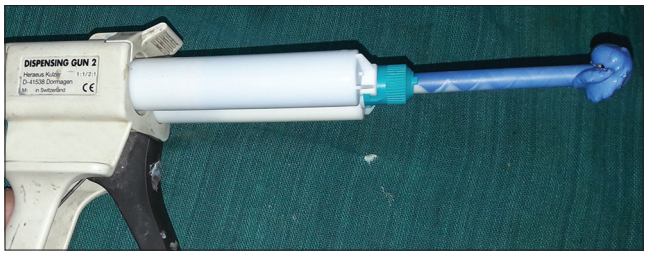

Figure 2: Final orbital impression

Removed the impression and checked for its accuracy [Figure 2].

Declaration of patient consent

The authors certify that they have obtained all appropriate patient consent forms. In the form the patient(s) has/have given his/her/their consent for his/her/their images and other clinical information to be reported in the journal. The patients understand that their names and initials will not be published and due efforts will be made to conceal their identity, but anonymity cannot be guaranteed.

Financial support and sponsorship

Nil.

Conflicts of interest

There are no conflicts of interest.

References

1. Shenoy KK, Ratna Nag PV. Ocular impressions: An overview. J Indian Prosthodont Soc 2007;7:5-7.
2. Brown KE. Fabrication of an ocular prosthesis. J Prosthet Dent 1970;24:225-35.
3. Jethwani J, Jethwani GS, Verma AK. Functional impression technique for an ocular prosthesis. J Indian Prosthodont Soc 2012;12:55-8.