# Update in the Uses of Chalazion Clamp in Dermatological Procedure Revisited

#### Shreya K, Soumya Narula, Mukesh Kumar Sahni, Dinesh P Asati

All India Institute of Medical Sciences (AIIMS), Bhopal, Madhya Pradesh, India

### Abstract

Chalazion clamp has a distal tip with a flat oval plate; other side has a ring-like structure and forceps-like handle. Handle has a thumbscrew, which can be tightened and released so as to achieve the required pressure. Available in various sizes. Used mainly in ophthalmological procedures primarily. Used in dermatology by modifying its technique and creating an adequate hemostasis in various diagnostic and interventional procedures. In the previous article chalazion clamp was used for preparing SSS for ear lobule, so this article revisited the uses of chalazion clamp in dermatology and extended use in the preparation of adequate blanching while preparing SSS from the peripheral tissue site.

Keywords: Chalazion clamp, dermatology, SSS

#### INTRODUCTION

Slit Skin Smear from ear lobule and peripheral site from most infiltrated plaque is performed as routine OPD procedure, adequate smear can be obtained by pinching the ear lobule and pinching skin from the plaque which requires skill and manual power. Adequate blanching can be achieved by clamping the ear lobule and skin with chalazion clamp.

Chalazion clamps are either disposable or reusable. Available in three sizes, small (ring size  $11 \text{ mm} \times 17 \text{ mm}$ ), medium (ring size  $12 \text{ mm} \times 23 \text{ mm}$ ), and large (ring size  $17 \text{ mm} \times 28 \text{ mm}$ ).<sup>[1]</sup>

Chalazion clamp has a distal tip with flat oval plate; other side has a ring-like structure and forceps-like handle. Handle has a thumbscrew, which can be tightened and released so as to achieve the required pressure.

In the previous article chalazion clamp was used for preparing SSS for ear lobule, so in this article revisited the uses of chalazion clamp in dermatology and extended use in the preparation of adequate blanching while preparing SSS from peripheral tissue site.

Access this article online	
Quick Response Code:	Website: www.jcasonline.com
	DOI: 10.4103/JCAS.JCAS_187_21

#### Advantages of chalazion clamp over routine SSS preparation

- 1. Minimizes the bleeding and hence adequate smear is obtained.
- 2. Provides a firm immobile surface so that smear can be taken easily.
- 3. Achieve firm grip.
- 4. Screw clamp allows variability in the pressure applied compared to artery forceps

#### **Uses of chalazion clamp**

Opthalmology: Chalazion surgery

#### Dermatology

Oral mucosal lesions	Oral mucosal biopsy Deroofing of mucocele Minor salivary gland biopsy <sup>[2]</sup>
Ear lobe repair	Mucosal derma abrasion in vitiligo surgery <sup>[3]</sup>
Scrotal surgery	
Nasal lesions on ala nasi <sup>[4]</sup>	

	Address for correspondence: Dr. Shreya K,
AI	I India Institute of Medical Sciences (AIIMS), Habibganj, Saketnagar,
	Bhopal 562020, Madhya Pradesh, India.
	E-mail: shreyakgowda@gmail.com
AI	I India Institute of Medical Sciences (AIIMS), Habibganj, Saketnagar, Bhopal 562020, Madhya Pradesh, India.

This is an open access journal, and articles are distributed under the terms of the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

For reprints contact: reprints@medknow.com

How to cite this article: Shreya K, Narula S, Sahni MK, Asati DP. Update in the uses of chalazion clamp in dermatological procedure revisited. J Cutan Aesthet Surg 2022;15:429-31.

429



Figure 1: Chalazion clamp small size

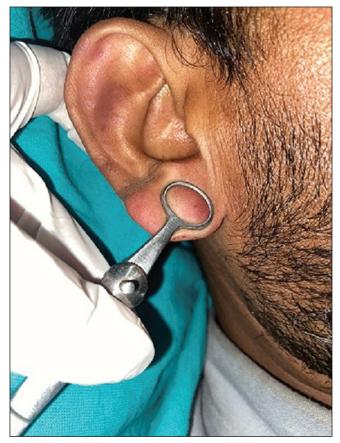


Figure 2: Use of chalazion clamp in slit skin smear sampling in ear lobule



**Figure 3:** Slit skin smear over the plaque, creating a avascular zone by chalazion clamp

In our case we used in preparing SSS and achieved an adequate smear by using reusable chalazion clamp.

As reported previously sponge holding forceps and artery forceps does not provide required pressure may result in tissue crushing and excessive pain, so modified in our case with chalazion clamp.

#### Procedure

After getting informed consent from the patient, Chalazion clamp (as per Figure 1) applied to ear lobule (Figure 2) is tightened until it blanches, similarly done on other areas (Figure 3) from where smear is taken. The SSS is taken using surgical blade no 23. A 5 mm length, 2 mm depth incision given. Turn the blade 90°, scrape out fragments of tissue and fluid on glass slide.<sup>[5]</sup> A smear of 8–10 mm is prepared on glass slides. Chalazion clamp is released, skin cut is sealed with a small piece of cotton wool dipped in tincture of benzoin.

## Financial support and sponsorship

Not applicable.

#### **Conflicts of interest**

There are no conflicts of interest.

#### REFERENCES

 Amir I, Marmur ES, Kriegel DA. Bloodless nasal alar surgery: Another innovative use of the chalazion clamp. Dermatol Surg 2009;35:843-4.

2 Neto Pimentel DR, Aparecida Milanez M, de Abreu MA, Hirata CH, de Avelar-Alchorne MM, Weckx LL. Use of chalazion clamp for minor salivary gland biopsy in the diagnosis of Sjögren's syndrome. Surg Cosmet Dermatol 2009;1:145-6.

- 3. Venkataram M. Textbook on Cutaneous and Aesthetic Surgery. Farmington Hills, MI: JP Medical Ltd; 2012.
- Jha AK, Ganguly S. Chalazion clamp in dermatology revisited. Indian J Dermatol Venereol Leprol 2015;81:280-1.
- 5 Lockwood DN. IAL textbook of leprosy. Lepr Rev 2010;81:276-8.

431