

33rd International Conference on

DENTAL AND ORAL HEALTH

August 13-14, 2018 Dubai, UAE

Way to an aesthetic depigmented smile: The cryosurgical avenue

Shaeesta Khaleel Ahmed B
King Khalid University, Saudi Arabia

Aesthetic awareness has increased over the past several years and dentistry has developed numerous ways of providing aesthetic solutions. Gingival hyperpigmentation is an esthetic concern in an otherwise acceptable smile window. Gingival depigmentation is a periodontal plastic surgical procedure in which gingival hyperpigmentation is removed/reduced by various techniques. The procedure involves surgical removal of gingival epithelium along with a layer of underlying connective tissue. Over the years, a plethora of techniques have been developed and practiced for the same. Most of these treatment modules have shown low predictability in terms of re-pigmentation at follow-up. Cryosurgery is a branch of therapeutics that makes use of local freezing for the controlled destruction or removal of living tissues. Though it is extensively used in dermatological practice for skin diseases, there is paucity of its use in dentistry with few studies. Thus, the current presentation lays emphasis on the predictability of cryosurgery for gingival depigmentation, and highlights on a case report showing excellent results maintained at 30 months follow up. Cryosurgery using nitrous oxide and gas expansion cryoprobe cooled to -70°C was used for the depigmentation. The depigmentation was performed from maxillary right cuspid to maxillary left cuspid in a single appointment. Post-surgical instructions and medications were given. The patient reported no adverse effects and no re-pigmentation of the treated areas for a period of 30 months. To the best of our knowledge, documented evidence of cryosurgery for gingival depigmentation with such long follow up is limited. Cryosurgery is an easy procedure with lack of bleeding and scar formation. The aesthetic outcome may be maintained for 30 months as shown in the present case. Cryosurgery can be considered a desirable treatment option for gingival depigmentation.

Biography

Shaeesta Khaleel Ahmed B has completed her Post-graduation (MDS.) in Periodontics from Krishnadevaraya College of Dental Sciences, Bangalore, 2010. In addition to dentistry, she also holds a Master's degree in Hospital administration (IIMT Medical College and Hospital, Agra, 2006). She also holds certification from implantology by Nobel biocare systems. She has worked as teaching faculty in periodontics since 2010 till date, guiding students academically and clinically at Krishnadevaraya College of Dental Sciences and currently working as Assistant Professor at the esteemed King Khalid University, K.S.A. She is actively involved in many research projects independently and with students. Not just being a regular attendee at national and international conferences, she has also presented several scientific research projects at these gatherings. She has been a Guest Speaker for Colgate Palmolive at Krishnadevaraya College of Dental Sciences. She has also been a Judge for oral presentations at post-graduation convention held at Bangalore. Her work has received recognition in form of publications (13 scientific publications) in varied journals of high merit (ISI, Pub Med, Medline journals).

drshaeesta@gmail.com

Notes: