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Surgical management of oral submucous fibrosis with fibrotomy, temporalis myotomy and bilateral coronoideotomy

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Aim: The aim of our study was to evaluate the effect of coronoideotomy with excision of fibrotic bands as an operative technique in management of oral submucous fibrosis.

Materials & Methods: A patient with histologically proven lesions of category group IV A (severe trismus with an interincisal distance of less than 15 mm and extensive fibrosis of all the oral mucosa) case of oral submucous fibrosis, having a mouth opening of 12 mm was surgically treated. The procedure involved bilateral release of fibrotic bands, bilateral coronoideotomy and no reconstruction covering the buccal defects with collagen membrane. Regular physiotherapy and follow up were done and results were assessed by comparing the preoperative and postoperative mean intraoperative inter incisal distance.

Results: The intraoperative inter incisal distance after band excision and coronoideotomy increased up to 38.0 mm. The mean mouth opening after one year follow up was found to be 39.6 mm.

Conclusion: In management of oral submucous fibrosis, the procedure of coronoideotomy after fibrotic band release had excellent results with adequate mouth opening and no recurrence was noticed until the last follow up.

Biography

Sherin A Khalam is an Associate Professor at PMS College of Dental Science and Research, India. He is the Surgical Head of the Department of Dental and Maxillofacial Surgery, SUT Royal Hospital, Director of Khalams Medical Centre and a Fellow of International Congress of Oral Implantologists, USA. He has completed his BDS from Vinayaka Missions University, MDS from Annamalai University and MSc in Clinical Psychology from Tamil Nadu University. He has more than 50 international publications to his credit. He has completed advanced training in Implantology from Lleida, Barcelona, Spain and was course Coordinator at University of Genova, Italy.

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