Journal of Oral Hygiene & Health
ISSN 2332-0702
2020
Sp.Iss.107

Modified le fort I osteotomy and genioplasty for management of severe facial deformity in β-Thalassemia major patient

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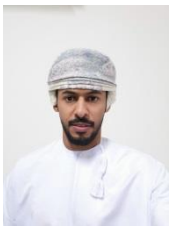

Abstract

β-Thalassemia major is an autosomal recessive form of hemoglobinopathy that is characterized by complete lack of production of the β chains resulting in multiple complications including; severe anemia, failure to thrive, and skeletal abnormalities. β-Thalassemia major induced facial deformity is a rare but known skeletal complication, which is very challenging to treat from a surgical point of view. We report here a case of β-thalassemia major in a 33-year-old female patient, presenting with gross skeletal dentofacial deformity that is contributing to her psychosocial issues. The facial deformity was corrected surgically by excision of the enlarged maxilla, modified Le Fort I osteotomy and advancement genioplasty. This paper highlights the pre-operative preparation, surgical management, encountered complications, and the treatment outcome with a 24-month follow-up.

Biography:

Khamis Mohammed Al Hasani has completed his bachelor of Dental Surgery from Oman Dental College, on 2016 and get recruited in the same college as co-teacher and dental officer. In 2017, he got employed at Sultan Qaboos University Hospital as Dental House Officer. Currently he is Continue his postgrade as Oral and Maxillofacial Surgeon on Oman Medical Speciality Board.

35th International Conference on Dental and Oral Health;
Webinar- June 15-16, 2020.

Abstract Citation:

Khamis Mohammed Al Hasani, Modified le fort I osteotomy and genioplasty for management of severe facial deformity in β-Thalassemia major patient, Dental Management 2020, 35th International Conference on Dental and Oral Health; Webinar- June 15-16, 2020.

(https://dentalmanagement.dentalcongress.com/2020)