

Joint Event
15th World Congress on
Pediatrics, Clinical Pediatrics and Nutrition
&
28th International Conference on
Nursing Practice
November 28-29, 2018 | Dubai, UAE

Rare and Interesting case of Goldenhars Syndrome in a 3 years male child

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The Limbal Dermoid in Goldenhar Syndrome are usually unilateral. Although they rarely can be bilateral. They either involve the entire cornea or may be confined to conjunctiva only the commonest site 70 percent of infero temporal incidence is 1 in 10, 000 or 1 in 500 to 2, 700 They are graded according to corneal involvement.

- a. Grade1 is corneal epithelial involvement
- b. Grade2 is des membrane involvement
- c. Grade3 is entire anterior segment involvement

Case Report: 9 months back a 3 years male child was seen by me in my office with parents having noticed a very small polish white infero temporal limbal opacity in left eye. Since birth with associated congenital presence of a pre-auricular appendage on right side. There were no other congenital anomalies. First child delivered after 1 second is no history of exposure to oxygen, jaundice, breast fed normal mile stones with normal intelligence. MRI (Magnetic Resonance Imaging) orbits did not show underlying orbital involvement, normal hearing, a teeth, ear, normal spine, limbs, kidney and vision. Anterior Segment Refraction functioning was normal. So, the child had grade I dermoid which begin at the commonest site of infero temporal site.

Discussion: Goldenhar Syndrome has a very good prognosis. Most of the children live normally with normal vision. Only 5 to 15 percent may have other congenital anomalies.

Conclusion: One should reassure the parent about this disorder which in majority of children is not visual threatening. However, if the limbal dermoid involves visual axis and their tens vision


then we have following surgical modalities as visual and cosmetic. The surgical procedures are Lamellar Keratoplasty, Amniotic membrane graft and Stem cell graft.

1. There are many Goldenhars Syndrome support groups.
2. Families of Goldenhars Syndrome are seen. 17 such families of Goldenhar Syndrome are seen in Greece.
3. Mittal Et al Indian Journal of Ophthalmology, 1968 reported 3 case of optic nerve drusen's associated with goldenhars Syndrome.
4. Infants born in Middle East in Gulf War in different military hospital were reported to have Goldenhars Syndrome.
5. In cases of Goldenhar Syndrome with associated hare lip, cleft palate, pre-auricular appendage or skin tag, plastic surgical intervention is needed.

Speaker Biography

Gowhar Ahmad is a Director in the Department of Ophthalmology, Florence Hospital, Multispeciality Center, Kashmir, India. He completed his Master's in Surgery from University of Agra, India in the year 1976. He obtains fellowship in Paediatric Ophthalmology from Morefield's Eye Hospital, London and in Oculoplasty and Neurophthalmology from King Khaled Eye Specialist Hospital, Riyadh. Saudi Arabia. He had more than 40 years of experience in field of Ophthalmology with guest National and International speakers. He has posted more than 600 Ophthalmic articles on Linked-in, 700 on Docpleux and more than 1400 on Curofy. He has many International publications. He served as Editorial Member for International Journal of Science and Research. His main field of interest is Paediatric Ophthalmology, Oculoplasty and Neurophthalmology. His is also interested in community ophthalmology and has conducted many eye camps in rural areas.

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