

Long term outcome after early dermis-fat graft in congenital anophthalmia

A.Modugno¹, G.Mazzone¹, C.Moretti¹, G.Savino²

¹*Ocularistica Italiana, Rome Italy*, ²*Department of Ophthalmoplastic, Catholic University of Rome, Rome, Italy*

Aim: to demonstrate the role of early dermis-fat graft in socket expansion in congenital anophthalmia after 5 y follow up.

Material and method: the authors compare the development of the socket in children with congenital anophthalmia treated with early dermis fat graft versus patients treated after the age of 18. MRI shows difference in restoration of the volume gap and the shape and size of the prosthesis the difference on fornixes deepening.

Results: children treated with early dermis fat graft present deeper fornixes and less volume gap. The cosmetic result of the procedure depends upon the severity of the eyelid malformation at birth.

Conclusion: Early dermis fat graft permits better expansion of socket and fornixes in congenital anophthalmia, it is mandatory to avoid delay of the DFG beyond 2y from birth.