Case Presentation: Expansion of forniceal depth in adult using pressure patch conformer

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Eye Care System

Demographic data

Age :- 35 Years

Gender:- Male

Occupation :- Business

Address :- Kolhapur, Maharashtra

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Complain

Frequent popping out of prosthesis since 4-5 months

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Past history

Absence of left eye ball since birth

Multiple socket reconstruction surgery done in childhood

History of Prior FFS + DFG for surface and volume expansion, followed by FFS + MMG for surface expansion → recurrent socket contracture with inability to retain prosthetic eye

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Visual acuity and refraction

	OD	OS
Unaided	Distance 20/20	NA
	Near- N6	NA

Objective refraction	Plano	NA

Subjective refraction	+/- 20/20 / N6 @ 33 cm with English chart OHL	NA

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External examination

- Facial symmetry:- Symmetrical on both sides
- External face:- Normal
- Head posture:- Normal
- Ocular movement:- Full and free in all direction in right eye

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Socket evaluation

OD: Vision 20/20, eye examination within normal limits
OS:
Examination of the socket with prosthesis:-

Socket- contracted grade IV

Superior fornix- Shallow

Inferior Fornix- loss

Sulcus deformity- grade IV

Lower Lid sagging- Moderate

COP- Unstable

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Examination of the socket without prosthesis:

Socket- contracted grade IV with mild volume loss

Superior fornix- Shallow

Inferior Fornix- loss

Sulcus deformity- grade IV

Lower Lid sagging- Mild

Implant- Nil

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Examination of the socket without prosthesis:

Socket- contracted grade IV with mild volume loss

Superior fornix- Shallow

Inferior Fornix- loss

Sulcus deformity- grade IV

Lower Lid sagging- Mild

Implant- Nil

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Examination of the prosthesis

COP- Sharp edges with rough surface

Fitting- Poor (Pooping out while looking superiorly)

Cosmesis- Poor

Colour Match- Poor

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Diagnosis

OD Emmetropia

OS Congenital anophthalmos with grade IV contracted socket and bony contracture (s/p socket reconstruction)



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Plan of Management

1. Stem pressure conformer followed by thin Custom Ocular prosthesis

2. Repeat FFS(Fornix formation suture)

3. Orbital prosthesis

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Stem pressure conformer



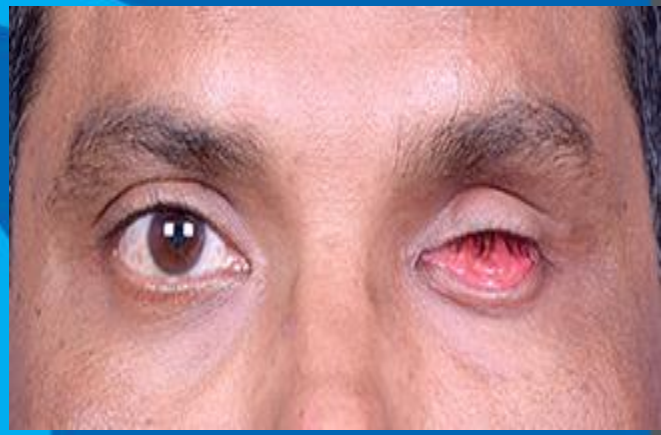


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Review after 6 weeks

Socket evaluation:-

Socket:- contracted grade IV with volume loss
Superior fornix:- Adequate
Inferior fornix:- Adequate
Lower Lid sagging- Moderate
Conformer:- In place and stable



Imp:- Good forniceal depth improvement

Plan- Thin COP(customized ocular prosthesis)

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Final visit





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