

Iris Painted Cosmetic / Prosthetic RGP Fenestrated Scleral Lens for Iris Coloboma

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LaSER Eye Jewelry

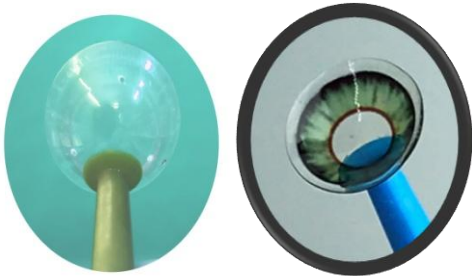
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Background

Iris Coloboma can cause intolerance to the light and cause glare with a possibility of poor visual development. Artificial Iris painted on RGP Scleral Lens can give better visual rehabilitation and cosmetic restoration.

Painted Fenestrated Scleral Lens

19 mm Scleral Lens with three equidistance fenestrations are optimally fitted first and then dye pigments are polymerized in to the lens matrix by proprietary technique so that Dk/t of the lens will not affect. Painted Color Iris will block 80% of light giving effective 4 mm pupil size. Making image sharper and controlling light



Case Description

3 year old girl child was presented to us for light sensitivity due to Iris coloboma. We fitted her with a Iris painted Cosmetic / Prosthetic RGP (100Dk) fenestrated Scleral Lens with an artificial iris painted on it to simulate regular and round pupil to control the amount of light passing in the eye. Since the baby was only 3 years old it was difficult to insert regular scleral lenses keeping her head facing down, hence the fenestrated scleral lens was opted so that lens can be inserted in any position in the eyes and it will automatically get filled with patients own tears. Dye pigments wear polymerized permanently in to the matrix of this 100Dk material scleral lens with a proprietary technique to match the patients iris colors and create an artificial pupil to control the amount of light passing in the eye.



Conclusion

Iris painted scleral lenses can be used to control the amount of light entering in the eye in cases of iris coloboma.

References

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