

SPHERICAL RIGID GAS PERMEABLE CONTACT LENSES IN HIGH ASTIGMATISM PATIENT

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Abstract

Introduction

In the cases of myopia and astigmatism, contact lenses often provide a better correction of both visual acuity and peripheral vision than glasses. Astigmatism may be corrected either by hard contact lenses or soft toric contact lenses.



Figure 1. Orthotropia Position of The Eye

Objective

To report spherical rigid gas permeable (RGP) contact lenses for management of high astigmatism errors.

Results

A 30 years old woman came with chief complaint of seeing blurred distance vision. There was discomfort in using her own glasses and she want to use a hard contact lenses for refractive correction. Visual acuity for the right eye (RE) 0.05 PH 0.32 F⁻² and left eye (LE) 0.08 PH 0.4 F⁻¹. Best corrected visual acuity of the RE was 0.8 F⁻² using correction S-5.00 C-4.00 x 170 and the LE 0.8 F⁻² using correction S-4.50 C-3.50 x 175. Near vision binocular 0.8 M/N 6 at 30 cm. The examination of anterior and posterior segment was normal. Patient was diagnosed with compositus myopic astigmatism and meridional isoametropic amblyopia of both eyes. Patient was managed by a spherical RGP contact lenses. Best visual acuity with spherical RGP contact lenses S -5.75 D was 0.8 in RE and S-5.00 D was 0.8 in LE.

Conclusion

There are several choices for management of patient with refractive errors. In this patient spherical RGP contact lenses was used for the therapy. Spherical RGP contact lenses are very good for correcting astigmatism because of cost and ease of fit, fitting spherical lenses was preferred wherever possible.

Keywords : high astigmatism, spherical rigid gas permeable contact lenses

Method

A case report study

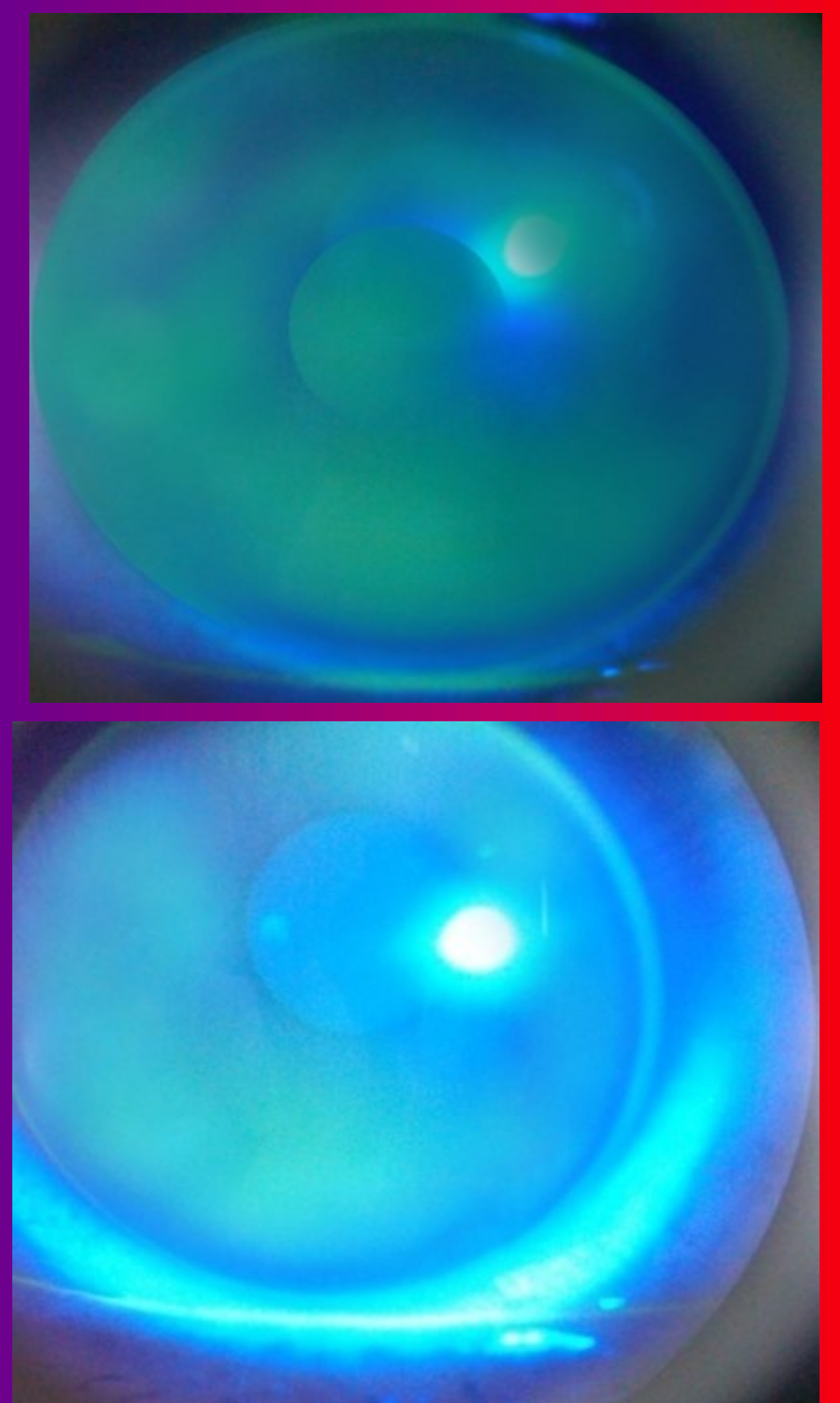


Figure 2. Fluorescein Pattern of Fitting Contact Lenses

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