

Visual Rehabilitation with New-Age Rigid Gas-Permeable Scleral Contact Lenses—A Case Series

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Abstract

Introduction: Primary ectatic corneal diseases usually require rigid gas-permeable (RGP) corneal contact lens wear for visual rehabilitation. As the disease progresses, it becomes increasingly difficult to fit these lenses. RGP scleral contact lenses now provide another treatment option before resorting to surgery. **Clinical Picture:** Two patients with pellucid marginal degeneration and one with advanced keratoconus had failed treatment with conventional lenses. **Treatment:** They were fitted with RGP scleral lenses. **Outcome:** Good vision was obtained together with satisfactory fit and comfort. **Conclusion:** RGP scleral lenses are a viable alternative to surgery in the visual rehabilitation of patients with advanced ectatic corneal disorders.

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Key words: Keratoconus, Optic zone projection, Pellucid marginal degeneration, Rigid gas-permeable material, Scleral zone radius

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