

World Congress and Expo on

Optometry & Vision Science

July 17-19, 2017 Chicago, USA

The Miracle of the Scleral – Application of the mini-scleral lens in advanced keratoconus

Thomas P. Arnold

Today's vision sugar land, Texas

Mini-scleral rigid gas-permeable lenses have quickly become the treatment of choice by many practitioners in cases of moderate to advanced keratoconus and pellucid marginal degeneration. They are also effective in improving visual acuity in cases of reduced vision from corneal irregularities as a result of such procedures as radial keratotomy and penetrating keratoplasty. The author will present one such case. A twenty-eight year old Hispanic male presented with advanced keratoconus. He was currently wearing a scleral contact lens in the right eye only but on a very limited basis due to discomfort. He was unable to wear any lens in the left eye. Eyeglasses did not provide adequate vision. Without correction he was almost functionally blind. The patient was successfully fit with a mini-scleral Zenlens (Alden Optical) in a 17.0mm diameter. The lenses were fit empirically, as refractive and topographic data were unobtainable due to his advanced condition. He is now able to wear lenses in both eye all waking hours.

drarnold@2020sugarland.com