

2nd International Conference on

Eye and Vision

September 26-28, 2016 Orlando, USA



Arun C Gulani

Gulani Vision Institute, USA

Retrospective analysis of an ocular sealant for wound closure in post-radial keratotomy cataract patients

Aim: To assess the benefits of the ReSure sealant in cataract patients who have previously undergone post-radial keratotomy (RK) surgery.

Methods: Seven patients (nine eyes) of average age 66 years were examined at a single site following coaxial phacoemulsification clear corneal cataract surgery in patients with previous RK surgery ranging from 8 to 20 cuts. A median of 2.8 mm biplane incisions were used across the population. Following toric lens implantation, the sealant was painted over the incision, and allowed to polymerize for 30 seconds. Patients were evaluated at one day and one month for wound healing and adverse events.

Results: At post-operative day one, IOP presented at a mean 15 mm Hg. Mean UVA for five eyes was recorded at 20/60-(two eyes with maculopathy excluded). No fluid egress was noted and all wounds were stable. At one month, mean UVA stabilized at 20/30 with mean spherical equivalent improvement of 73%. No adverse events were noted and patients were comfortable overall with a comfort survey of 10/10.

Conclusion: Fragility of the cornea in post-RK patients may lead to excess edema, perforations, hyperopic shifts, or against-the-rule astigmatism. Although sutures have previously been utilized in these patients to stabilize the wound post-operatively, they can induce additional adverse events. The sealant proved safe and effective for wound closure in post-RK patients.

Biography

Arun C Gulani, MD, MS, is an internationally recognized, board-certified Ophthalmologist and the Founder of the Gulani Vision Institute, a state-of-the-art LASIK and cataract eye surgery facility serving the needs of patients from Northeast Florida and throughout the world. As a renowned vision correction expert, he specializes in both cataract and laser vision correction surgeries. He has been listed in Forbes magazine as one of the "Top Ten Laser Eye Surgeons" in the entire country. He is widely regarded as a "Doctor's Doctor." Over the course of his career, he has been honored with awards from the American Society of Cataract and Refractive Surgery, the Business Journal, Becton Dickinson, Bausch & Lomb and many other organizations. He is regularly invited to teach eye surgeons at major conferences and specialized forums around the world. His prominent standing in the field of eye surgery is well balanced by his impeccable bedside manner and gentle touch, which continue to attract vision correction patients from around the world.

gulanivision@gulani.com