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Clinical outcome in lattice corneal dystrophy after phacoemulsification cataract surgery

Ly T Nguyen

Eye Florida, University of Central Florida College of Medicine, USA

We report a patient with lattice corneal dystrophy Type I with preoperative BCVA CF @ 4 feet OS with dense posterior sub capsular cataract left eye. Patient had phacoemulsification cataract surgery with intraocular lens implant and at one-month post-operative exam had BCVA 20/30. To our knowledge, this is the first reported successful case of cataract surgery in patient with lattice corneal dystrophy without complications such as corneal melt as reported in a case report of a patient with Lattice Corneal Dystrophy type II.

Lattice corneal dystrophy is a non-inflammatory, autosomal non-dominant, bilateral condition that involves morphologic changes in the corneal stroma. Visual impairments associated with stromal corneal dystrophies vary widely and are determined by the amount of deposits accumulated in the cornea. Hazy vision is a result of the irregular corneal surface that induces blurry vision to the patient. Recurrent erosions, corneal melt, and prolonged healing area some of the potential risk in patient with lattice corneal dystrophy after cataract surgery.

Biography

Ly T. Nguyen is a board-certified ophthalmologist that specializes in cataract, oculoplastic surgeries, and facial rejuvenation procedures. She is an internationally recognized doctor, author, and speaker. As a board certified physician by the American board of ophthalmology, Nguyen has published numerous journal articles. Her accolades and awards also include being a recipient of the Hawaii Medical Association Alliance Endowment Award for community service and academic achievement. In addition, she was awarded the prestigious JABSOM Pacific/Asian Scholarship for academic achievement and commitment to serving the Pacific/Asian region. During her ophthalmology residency, she was awarded the Resident Research Award for excellence in ophthalmic research at the University of Colorado. Nguyen has hospital privileges at Florida Hospitals, St. Cloud Regional Medical Center, and Orlando Regional Medical Center. She is part of the trauma team at Osceola Regional Medical Center in Kissimmee, Florida. She currently operates at St. Cloud Regional Medical Center and Kissimmee Surgery Center. Nguyen is a volunteer faculty member at the University Of Central Florida College Of Medicine in Lake Nona. Her professional affiliations include the American Academy of Ophthalmology, American Society of Cataract and Refractive Surgery, Florida Society of Ophthalmology, Osceola Council on Aging, The Association of Women Surgeons, and St. Cloud Chamber of Commerce. She has served on the board of The Vietnamese Association of Physicians, Dentists, and Pharmacists of Florida and St. Cloud Regional Medical Center Physician Leadership Group.

drnguyen@eyeflorida.com

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