

Triple procedure, Crossroads for vision restoration

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Abstract

Chemical injuries are usually vision threatening, specially if affecting the cornea and usually end up in sever corneal opacification and the inflammatory response associated causes complicated cataract and iris synechia. Treating corneal opacity with removal of the cataract in what is known as triple procedure is not just challenging for surgeons but also life changing for the patient. Female patient 42 years old came presenting with near total corneal opacity after an old chemical injury Patient came seeking medical advice in august 2019 in eye subspecialty center, Cairo, Egypt.

- She has no relative medical history and no past ophthalmic surgeries.
- Vision was HM BP
- Slit lamp exam showed total corneal opacity with iris synechia and complicated cataract.
- US was done, retina was found in place and complicated cataract was confirmed with intact capsule.
- VEP/ERG also showed good retinal and optic nerve functions.

Under general anesthesia, sterilization of the eye lids was done and surrounding skin using povidone iodine 10%. Centration of the pupil was done using specific surgical marker and then using corneal marker for the stitches was applied. Opening a side port using a 1.2mm MVR and injecting viscoelastic material to allow formation of the anterior chamber. Trephining the host cornea was done using a 7.75mm trephine and the donor graft was cut using 7.5mm punch. Synicholysis of the iris tissue from the host and then removing the cataract and implantation of the IOL Trimming the edges of the host tissue with application of the donor graft and suturing using 10/0 nylon 16 stitches. Post-operative visits were done one day, one week, 3 weeks. Patient showed improvement in graft edema with regressed signs of inflammation and rejections IOL was in place with formed AC.



Biography:

Dr. Wessam Salem Graduated from the School of Medicine, Cairo University in 2010, Dr. Salem started his specialized medical career as an Ophthalmology Resident in Cairo University for the next five years, in addition to his experience at the military hospitals. Dr. Salem participated in several medical exchange programs abroad including Austria, Hungary, and Germany. He was granted his Master in Ophthalmology, Cairo University, 2016. Besides being an Assistant Lecturer of Ophthalmology, School of Medicine, Newgiza University, Dr. Salem works as a Refractive Surgeon in Dar El Oyoun Hospitals and Eye Subspecialty Center. Now he is working on his fellowship in the Royal College of Surgeons of Edinburgh, after being a Member of the International Council of Ophthalmology in 2014.

[International Conference on Optometry](#)

Webinar- September 22-23, 2020

Abstract Citation:

Wessam Nader Salem, Triple procedure, Crossroads for vision restoration, Optometry Meet 2020, International Conference on Optometry, Webinar, September 22-23, 2020

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