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## The utility of the verus ring in performing safe and efficient capsulorhexis in eyes with corneal scarring

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**Purpose:** The Verus ring is a silicone ring-shaped intraocular device that can be injected onto the anterior lens capsule that can assist with sizing and centration of the capsulorhexis. Capsulorhexis during cataract surgery in patients with corneal scars can be challenging. In this study, we determine the safety and efficacy of the Verus ring during anterior capsulorhexis.

**Methods:** Eyes with mild to moderate corneal scars undergoing cataract surgery (n=18) were subjected to implantation of the Verus ring during capsulorhexis by a single surgeon. Outcome measures included complications during the capsulorhexis procedure and time taken to complete the capsulorhexis and surgeon feedback. Historical and surgeon controls (n=18) for capsulorhexis in patients with clear cornea were used as a comparative group.

**Results:** There were no complications related to the insertion and removal of the device. Anterior capsular extensions were not observed in any of the cases with corneal scarring. The capsulorhexis was well centered in all the eyes. Surgeon feedback indicated that the insertion of the device did not require steep learning curve other than careful following the instructions as noted in the instruction video and was of the opinion that it greatly enhanced safety and efficiency during the capsulorhexis process.

**Conclusion:** The Verus ring appears to be a useful device in performing safe and efficient capsulorhexis in patients with corneal scars undergoing cataract surgery.

### Biography

Enrique Suarez graduated as Medical Doctor from Universidad de Los Andes. He has obtained Internship and Ophthalmology Residency at Military Hospital (Caracas, Venezuela) and Cornea, External Diseases and Anterior Segment Fellowship with Dr. Herbert Kaufman at Louisiana State University, USA. He is the Head of Cornea Division at Military Hospital, Director of Cataract and Refractive Surgery & Clinic Ophthalmology Service at Centro Medico Docente La Trinidad Private Foundation (Caracas, Venezuela) for 20 years. Currently, he is the Senior Academic Consultant at King Khaled Eye Specialists Hospital (Riyadh, Saudi Arabia). He has over 40 publications to his credit and presented 450 lectures in international meetings. He also serves as the Board of Directors of International Ophthalmological Societies and Editorial Board Member of Ophthalmological Journals.

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