

The Best of Eyetube 2014

The top 10 cataract and refractive videos of the year.

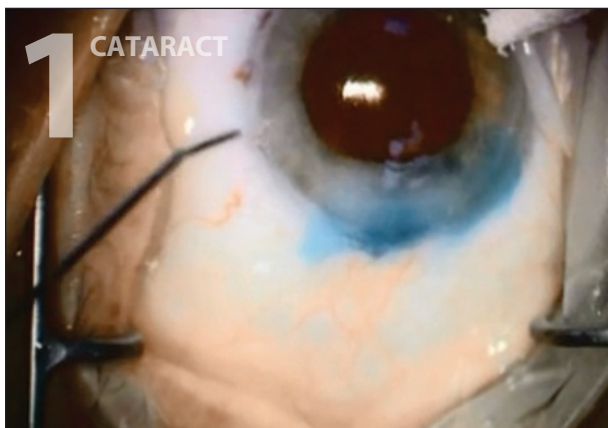
Of the many submissions this year to the cataract and refractive channels on Eyetube.net, these videos were viewed the most.

TOP FIVE CATARACT VIDEOS

No. 1. ReSure Sealant in a Complex Cataract Case With Inferior Zonular Dehiscence

By Terry Kim, MD

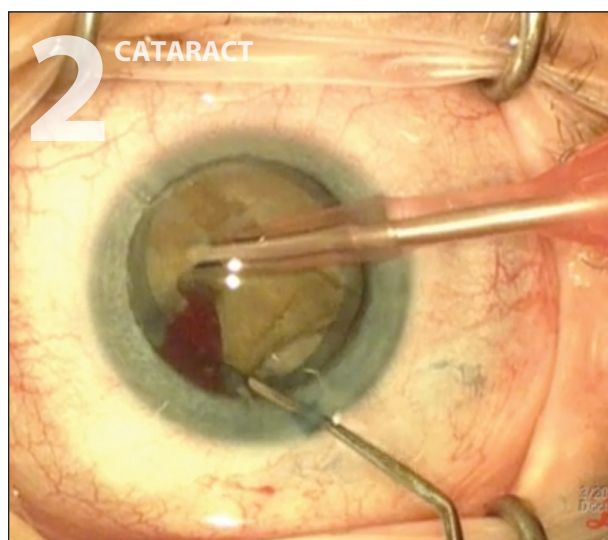
Dr. Kim shares a case of complex cataract with presumed trauma. After observing 3 to 4 clock hours of zonular weakness, Dr. Kim places retractors (MicroSurgical Technology) and a capsular tension ring to support the capsular bag. Due to excess manipulation of the incision, he uses the ReSure Sealant (Ocular Therapeutix) to close the wound and paracentesis ports.



No. 2. Vertical Chopping Technique for a Hyperature White Cataract

By Gary Wortz, MD

Dr. Wortz demonstrates his preferred vertical chopping technique for hyperature white cataracts.

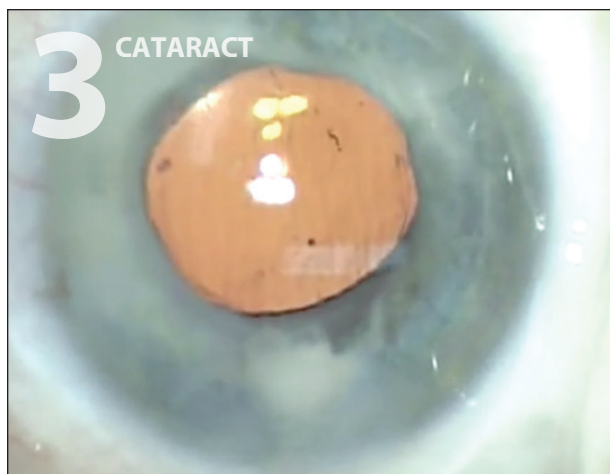


No. 3. Intravitreal Placement of Antibiotic/Steroid as a Substitute for Postoperative Drops

By Stewart Galloway, MD

Dr. Galloway demonstrates a trans-zonular technique for injecting TriMoxi (moxifloxacin; Imprimis Pharmaceuticals), an antibiotic and steroid





formulation, in the vitreous after cataract surgery, eliminating or reducing the need for postoperative eye drops.

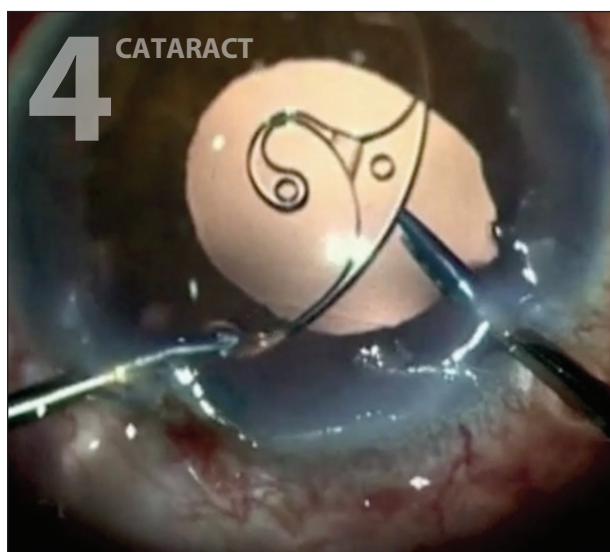
No. 4. Subluxated Capsular-Bag Complex With Endocapsular Ring and Dislocated Segment

By Priya Narang, MS

A 54-year-old woman presented with a history of cataract surgery performed 4 years earlier. On examination, she had a subluxated capsular bag-IOL complex with an endocapsular ring, a dislocated segment, and a three-piece IOL in the bag. The surgeon decided to repair the lens with a glued IOL technique. This obviated the need to enlarge the incision and facilitated a closed-chamber procedure, although challenges remained. These cases require a thorough preoperative assessment, a lot of intraoperative surgical care, and contingency plans.



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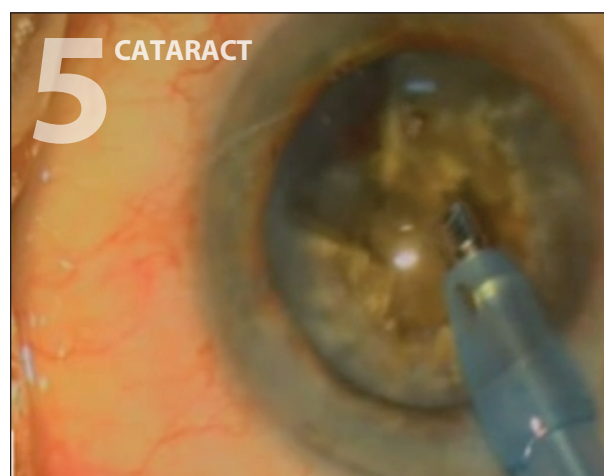
No. 5. Easy Phaco: Conquering New Heights

By Suhas Haldipurkar, MD

Dr. Haldipurkar's video demonstrates how the easyTip (Oertli) is based on the simple concept of enhanced infusion and restricted outflow with a bulbous tip and higher fluidics to achieve a desired benefit during phacoemulsification. Dr. Haldipurkar uses easyTip technology in cases of a soft, hard, and extremely hard nucleus.



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TOP FIVE REFRACTIVE VIDEOS

No. 1. Refractive Lenticule Extraction With Cross-Linking

By A. John Kanellopoulos, MD

Dr. Kanellopoulos demonstrates how to perform ReLEx (Carl Zeiss Meditec; not available in the United States), a minimally invasive, all-in-one laser vision



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correction procedure performed with the company's VisuMax femtosecond laser platform, combined with cross-linking in a donor cornea.

No. 2. Novel Small-Aperture Intraocular Implant

By Claudio Trindade, MD

Dr. Trindade presents a new IOL concept based on the pinhole effect. Created to treat irregular corneal astigmatism and pseudophakic presbyopia, the IOL is a three-haptic implant made of a black hydrophobic acrylic material designed to be supported in the ciliary sulcus of pseudophakic eyes.



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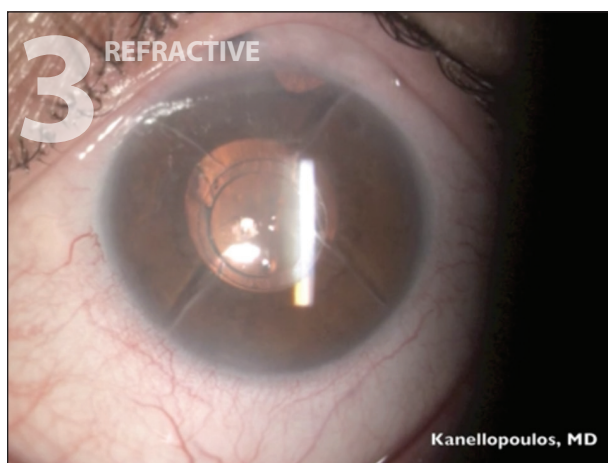
No. 3. Cataract and PBK in a Phakic IOL and RK Patient

By A. John Kanellopoulos, MD

Dr. Kanellopoulos presents a patient with four-incision RK, pseudophakic bullous keratopathy, a phakic IOL, and a cataract. The phakic lens is sitting on the crystalline lens. After the IOL is explanted, Dr. Kanellopoulos removes



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the cataract and performs Descemet-stripping automated endothelial keratoplasty.

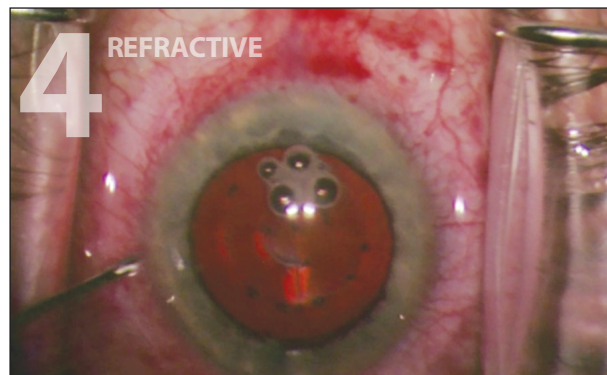
No. 4. Wortz Femto Visco Dissector Cannula

By Gary Wortz, MD

This video demonstrates the first use of the Wortz Femto Visco Dissector Cannula (Bausch + Lomb Storz). Dr. Wortz uses the LenSx Laser (Alcon) to create the corneal wounds and capsulorhexis and to chop the lens. Rather than open the wounds with a spatula, he uses a viscoelastic cannula that is tapered at the end to allow for easy entry through corneal wounds created with a femtosecond laser. Dr. Wortz's cannula also allows the surgeon to fill the anterior chamber with viscoelastic in the same maneuver.



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No. 5. Translenticular Hydrodissection in Laser Cataract Surgery

By Sheraz Daya, MD, and Marcela Espinosa, MD

This video describes a technique to safely hydrodissect and fragment the lens nucleus with the Victus Femtosecond Laser (Bausch + Lomb). The technique involves injecting fluid through a lens fragmentation incision. ■



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