Topics for STS-1 Advanced Phaco Skills Transfer Lab

New Orleans Ernest N. Morial Convention Center – Room 210

Saturday, May 7, 2016, 8:00 to 9:30 AM, Kevin M. Miller, MD – Senior Instructor

Incision construction
Diamond knives
Peripheral corneal relaxing incisions
Femtosecond lasers for refractive cataract surgery
Trypan blue staining of the anterior capsule
Viscoelastic soft shell technique
Hydrodissection
Nucleus rotation
Divide and conquer technique
Chop techniques (horizontal, vertical)
Phaco flip
Machine settings
Peristaltic pumps
Venturi pumps
Ozzil technology
Transversal technology
Bimanual irrigation and aspiration
Posterior capsule polishing
Anterior capsule polishing
Intraocular lens insertion
Intraocular lens explantation
Iris suture fixation of IOLs
Scleral suture fixation of IOLs
Toric IOLs (if available)
Multifocal IOLs
Crystalens implantation
Piggyback lens implantation
Anterior chamber IOLs
Advanced IOL power calculation
Incision closure
Stretch pupilloplasty
Pupil expansion hooks
Pupil expansion rings
Peripheral iridotomies
Iris suturing (McCannel, Siepser)
Capsule tension ring implantation
Capsule tension segment implantation
Hoffman pockets
Bimanual anterior vitrectomy
Pars plana vitrectomy
Posterior assisted levitation
Triamcinolone staining of the vitreous