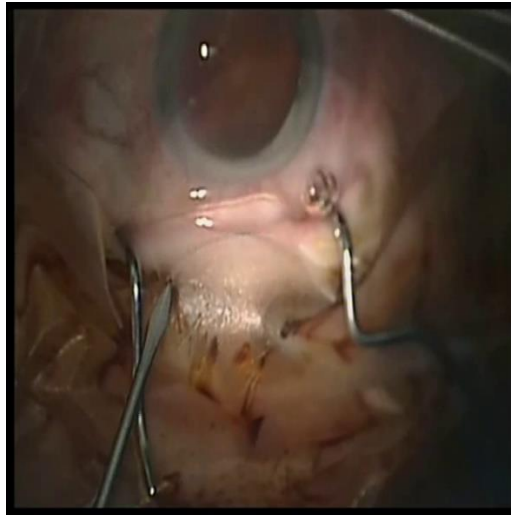


Phase Detection and Tool Detection of Cataract .

Incision Phase: (0 seconds - 23 seconds)

Tools Used: Bonn Forceps, Primary Knife, Secondary Knife

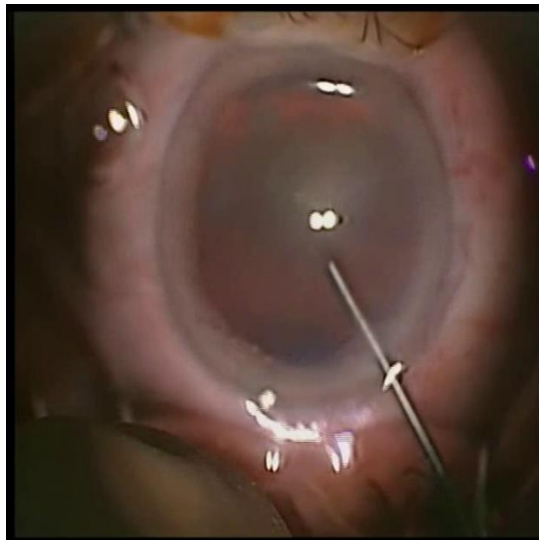
Eye parts detected: Cornea, Iris, Cataract Lens, Sclera



Viscous agent injection Phase: (24 seconds - 45 seconds)

Tools Used: Rycroft Cannula, Visco Cannula

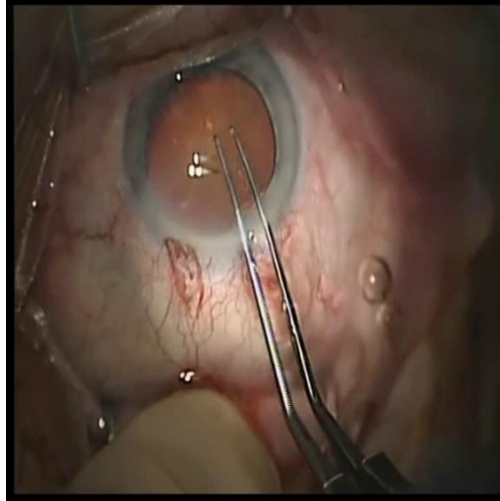
Eye parts detected: Cornea, Iris, Cataract Lens, Sclera



Hydrodissection Phase: (46 seconds - 148 seconds)

Tools Used: Hydro Cannula

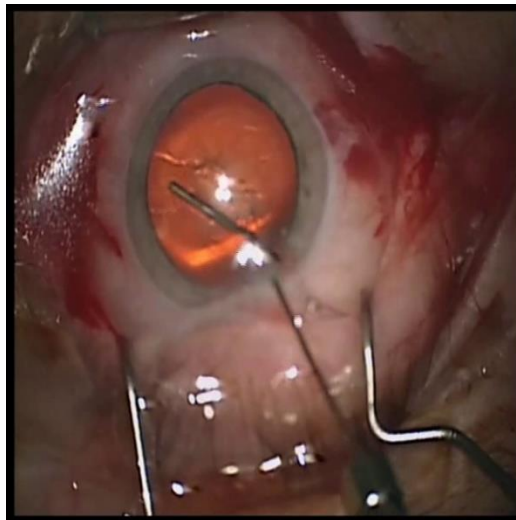
Eye parts detected: Cornea, Iris, Lens Fragments



Phacoemulsification Phase: (149 seconds - 319 seconds)

Tools Used: Phaco Handpiece

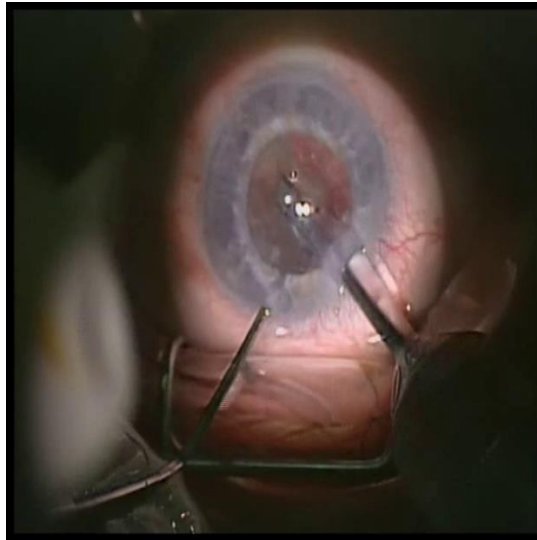
Eye parts detected: Cornea, Lens Fragments, Sclera



Irrigation and aspiration Phase: (320 seconds - 378 seconds)

Tools Used: A/I Handpiece

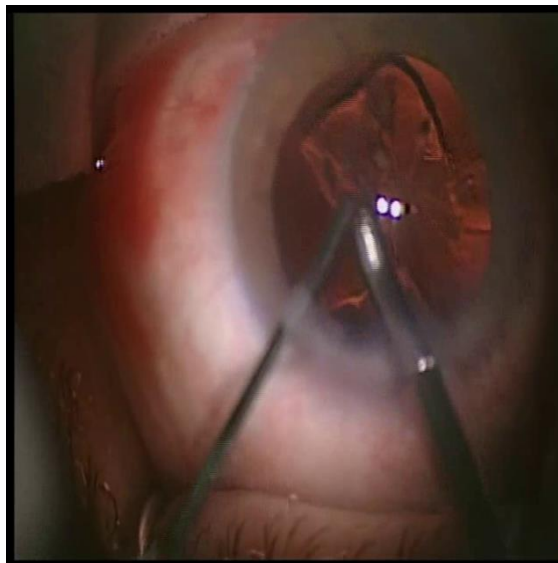
Eye parts detected: Cornea, Capsule, Sclera



Capsule polishing Phase: (379 seconds - 411 seconds)

Tools Used: Rycroft Cannula, Visco Cannula

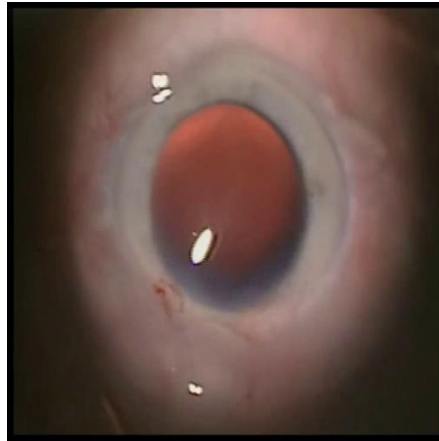
Eye parts detected: Cornea, Capsule, Sclera



Viscous agent injection Phase: (412 seconds - 430 seconds)

Tools Used: Hydro Cannula, Visco Cannula

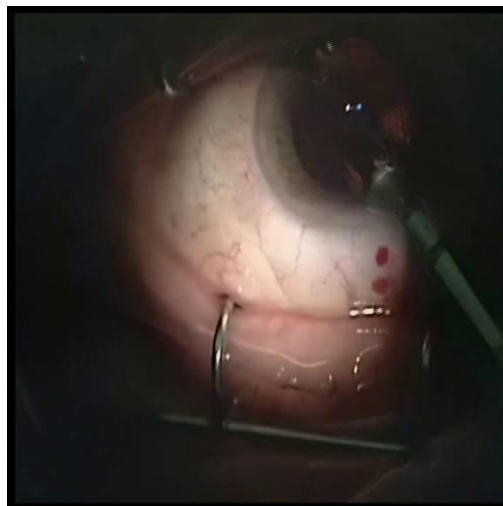
Eye parts detected: Cornea, Sclera



Lens implant setting-up Phase: (431 seconds - 455 seconds)

Tools Used: Micromanipulator, Lens Injector

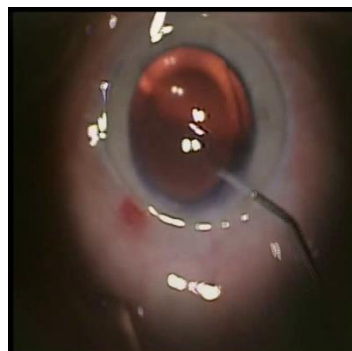
Eye parts detected: Cornea, Artificial Lens, Sclera



Viscous agent removal Phase: (456 seconds - 507 seconds)

Tools Used: Micromanipulator, A/I Handpiece

Eye parts detected: Cornea, Artificial Lens, Sclera



Tonifying and antibiotics Phase: (508 seconds - 568 seconds)

Tools Used: Rycroft Cannula, Visco Cannula

Eye parts detected: Cornea, Artificial Lens, Sclera

