

18th International Conference on

GLAUCOMA & RETINAL DISEASES

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18th World Conference on

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Cataract/vitrectomy, phaco free, using reusable systems

It's a technique using reusable systems for vitrectomy, and for the cataract surgery, we do a manual surgery, because you can use it in all kind of cataracts. The technique starts placing the trocars in the upper side of the eye (MI-MXII-MX) or as normal vitrectomy, leaving the cataract surgeon space to work, we do the sclerotomies with a 22g syringe, and place our trocars (23-25g) 3 mm from limbo and 3.5 the one that we will place the infusion line, depends on the type of the IOL (foldable or rigid). We do a sclera-corneal tunnel an incision of 300 microns with a diamond knife and a crescent (inverted smile shape). With a 15-degree knife incision (depends on the surgeon MIX or MIII the most common). With a 3.2 knife, we open the tunnel, the incision its self-sealed. We place viscoelastic an a gentian violet dilution at 0.05% and realize the capsulotomy, and after that we realize the hidro expresión, the cataract its now in anterior chamber (the nucleus), we can crush or just use hidro expresión we can take the nucleus out, and using a sincue system (doble via cannula) to absorb the rest of the cataract. Place the IOL, and do the vitrectomy, at the end just do some wáter-air exchange retire our trocars, and inject some antibiótics and steroids were our sclerotomies were done.

Conclusion: It's cheaper, any kind of cataracts (soft or very hard), no need the use of ultrasound that can cause more damage to the endothelium. And only need a vitrector 23 g or 25g, forget about the extracapsular cataract tecnic.

Biography

Jorge Garduño Vieyra, he studied the High school at Missouri Military Academy at the USA, His medical career at "Universidad Autonoma de Guadalajara", the speciality in ophthalmology at Cuba in the hospital "league against blindness, Hospital Ramon Pando Ferrer", the sub especially in retina at México City in the "Hospital General de México". He made an observership at Moorfields Eye Hospital in London, and another one at the Dallas retina center in the USA. He is a member of the Mexican Retina Association just to name one. He has been the speaker in National and international Meetings, a publishes articles at the Mexican ophthalmology magazine and videos at the youtube channel. He is the director of the private clinic "Instituto Oftalmologico Privado" that is in Irapuato, Guanajuato México.

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