SURGICAL TIPS & TRICKS (MY WAY) & COMPLICATIONS

ISLAND SECRETS: INNOVATIVE SURGERIES FROM THE TROPICS

Courses

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This course highlights how environments can foster creativity and resourcefulness in a setting shaped by unique clinical challenges: including geographic constraints, variable access to care, and advanced disease presentations. The session brings together young vitreoretinal specialists who will present real-world cases demonstrating inventive techniques, modified surgical strategies, and practical solutions developed in response to these challenges.

The course envisions 5-minute presentation for each speaker combining narrated surgical videos, representative clinical cases, and technical discussions highlighting practical innovations in retinal surgery. Case presentations will be succeeded by a forum. Featured topics include: 1)Retinal Surgery: Is There a Role for Artificial Intelligence? — exploring emerging applications of AI in surgical planning, intraoperative guidance, image interpretation, and decision support in vitreoretinal surgery. 2)The Kebab Technique — a novel method utilizing a bipolar pencil to retrieve a dropped crystalline lens through a small limbal incision, minimizing surgical trauma while facilitating controlled lens extraction. 3)Comparison of the Modified Canabrava Technique with Other Sutureless Scleral Fixation Techniques for Aphakia — presenting adaptations that improve haptic stability, surgical efficiency, and reproducibility during secondary intraocular lens fixation. 4)Repair of Rhegmatogenous Retinal Detachment Using a Foldable Capsular Buckle — illustrating the clinical application of a novel external tamponade device designed to provide localized scleral indentation through a minimally invasive and customizable approach. 5)Role of Methotrexate in Retinal Detachment Surgery — discussing the use of adjunctive intravitreal methotrexate to reduce postoperative proliferative vitreoretinopathy(PVR) formation in high-risk retinal detachment cases. 6)Bimanual Surgery with a Twist — demonstrating a collection of guerilla style surgery particularly suited for low-resource surgical settings, where grit and creativity of a young ophthalmologist is tested.

By the end the session, technical steps, surgical pearls, indications, advantages, limitations, and postoperative outcomes for each technique will be discussed, emphasizing innovation driven by real-world clinical challenges and resource-conscious surgical practice. Healthy international contrast and collaborative discourse will tie up the session.

Driven by curiosity, sharpened by challenge, and fearless in innovation, young retina surgeons are pushing the boundaries of modern vitreoretinal surgery. Through concise, case-based presentations and focused discussion, the session aims to share surgical insights and emphasize how adaptability and innovation can enhance vitreoretinal care across diverse settings.

ChengKKW,et.al. Surgical management of aphakia.J Cataract Refract Surg. 2022;48(12):1453–1461. CanabravaS,et.al. Double-flanged polypropylene technique:5-year results. J Cataract Refract Surg. 2023;49(6):565–570. JiangG,et.al. Efficacy and visual outcomes of the foldable capsular buckle scleral buckling in rhegmatogenous retinal detachment.Front Med (Lausanne).2024 Jul 29;11:1412048.