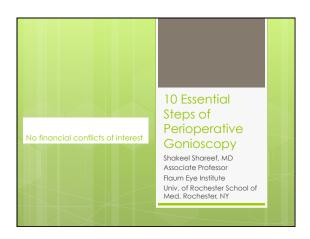
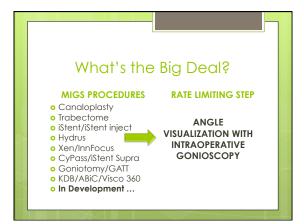
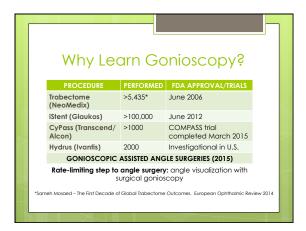


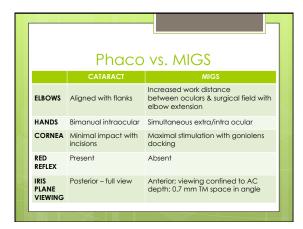
Course Outline • Historical perspective and importance of office based gonioscopy (Dr. Alward) • 10 Essentials Steps of Perioperative Gonioscopy (Dr. Shareef) • Tips/Pearls of Gonioscopy in MIGS procedures (Drs. Ahmed/Vold) • Non-gonioscopic Methods of Angle Viewing (Dr. Crandall) • Panel Discussion/Q&A (Time allows)







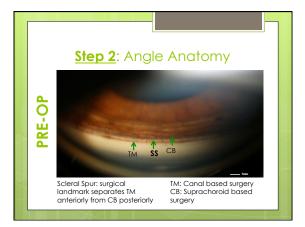








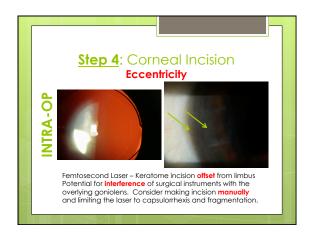
Step 1: Office Based Gonioscopy • Why? For surgical planning • www.gonioscopy.org [Dr. Alward] O. Gonioscopy documented < 50% charts reviewed of patients undergoing ocular medical therapy¹ 2. Medicare Claims Data: 50% open angle glaucoma patients undergoing surgery had a claim for pre-op gonioscopy² Reflects under utilization of office based gonioscopy 1. Quigley HA. Fiedman DS, Hoth SR. Ophtholmology, 2007/11:1599-1604. 2. Coleman AL, Yu. F. Karas SJ. Use of gonioscopy in Medicare beneficiaries before glaucoma surgey. J Glaucoma 506:15:384-79.

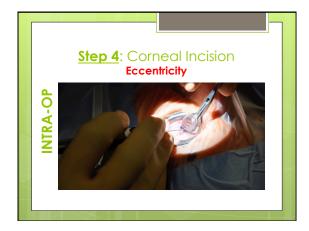






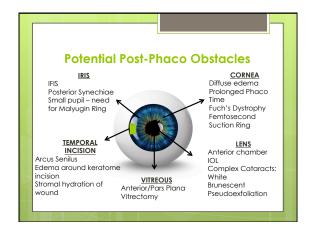




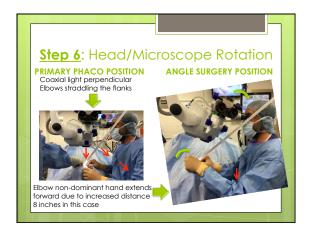








Step 5: Soft Shell Technique Arschinoff's soft shell technique: • Viscodispersive OVD – coat and protect the corneal endothelium • Viscocohesive OVD - A 2nd deeper layer creates and maintains space to safely introduce instruments in a confined trabecular space 0.7 mm Activist SA, Dispersive-cohesive viscoelastic soft shell technique. J Cataract Refract Surg.



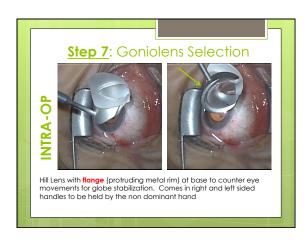












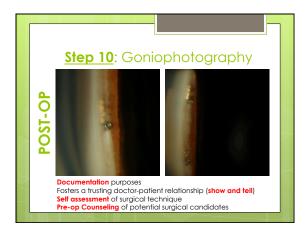








Step 9: Docking of Goniolens o Trabecular Meshwork Identification: 1. Pigmented TM Band 2. Trypan Blue 3. Blood Reflux into Schlemm's Canal with relative hypotony in AC or by applying pressure of gonioprism in limbal area causing backflow



Getting Started – Summary Points o Office based gonioscopy at slit lamp o In Minor O.R., practice gonioscopy o Cataract Surgery: 1. During surgery: i) Hold fixation ring to stabilize globe ii) Rotate globe to create keratome incision 1. After routine surgery: i) rotate head and microscope ii) place goniolens to view angle structures

Recommend References

- www.gonioscopy.org
- www.anglesurgery.org
- o Basis for this course:
- Shareef, S, Alward W, Crandall A, Vold S., Ahmed I. "Intra-operative Gonioscopy – A Key to Successful Angle Surgery". Exp Rev Ophthalmol 2014; 9(6):515-527

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