



2015 SUMMER CE SPECTACULAR

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Update on New Approaches in the Diagnosis and Treatment of Complex Retinal Disorders

I. Objectives

1. Review new roles of imaging techniques in diagnosing and managing retinal disease
2. Understand new pharmacology available for managing macular disorders
3. Understand data on ocular nutrition in AMD
4. Surgical management of complex cases

II. Retinal imaging

- A. Std Fundus vs Optos
 - i. Fields of View
 - ii. Resolution
- B. Auto-fluorescence
 - i. For drug toxicity
 - ii. For tumor staging
- C. FA studies
 - i. Leakage vs staining
 - ii. vs OCT
- D. ICG studies
 - i. Hemorrhage
 - ii. Resistance cases
 - iii. Csr vs Amd vs polyploidial
 - iv. Uveitis
- E. OCT
 - i. Central macula
 - ii. RNFL and NRRT
 - iii. vs FA studies
- F. Ultrasound
 - i. In cancers
 - ii. Retinal detachment
 - iii. Schisis

III. Pharmacology

- A. Steroids
 - i. Drops
 - a. Loteprednolol
 - b. Prednisolone
 - c. Difluprednate
 - ii. Injections
 - a. PST kenalog

- b. IV kenalog
- c. IV triamcinalone
- iii. Implants
 - a. Dexamethasone
 - b. Fluocinolone
 - 1. 1st and 2nd generation

B. Vegf Inhibitors

- i. Bevacizuab
- ii. Ranibizumab
- iii. Alflibercept
- iv. Pentanaglib

C. Pdgf Inhibitors

D. Vitreolysis

E. CAI's

F. NSAIDS

IV. Nutrition for AMD

- A. AREDS II
- B. Specific situations
- C. Risk of vitamin E
- D. Risk of vitamin A
- E. Risk of vit D
- F. Patient specific formulations

V. Surgical management of complex cases

- A. Ocular Cancer
 - i. Choroidal melanoma
 - ii. Lymphoma
 - iii. Metastatic
- B. Macular Disorders
 - i. Macular hole
 - ii. Macular pucker
 - iii. Diabetic macular edema
 - iv. Vascular conclusions