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## **Retina – What’s new and what to do?**

### Course Outline:

- I. Wet Macular Degeneration
  - A. Diagnosis Pearls – distinguishing masqueraders
    1. CSR
    2. Polypoidal
    3. Chronic Dry AMD
  - B. Treatment Options – Bevacizumab (larger molecule)
    1. Ranibizumab
    2. Aflibercept (PED)
  - C. Treatment Strategy
- II. Diabetic Retinopathy
  - A. Diabetic Macular Edema
    1. Diagnosis – OCT, OCT Angiography, Fluorescein Angiography
    2. Treatment Options and strategy
  - B. Diabetic Retinopathy
    1. Non-proliferative – Optos imaging
    2. Proliferative – Peripheral Ischemic Index
      - a. Panretinal photocoagulation laser
  - C. Tractional Retinal Detachments
    1. Surgical indications
    2. Intraoperative surgical goals
    3. Surgical approach
- III. Epiretinal membrane
  - A. Pathophysiology
    1. Incomplete Posterior vitreous detachment

## 2. Floaters – options for treatment

- B. Symptoms
  - C. Surgical intervention and outcome
  - D. Surgical strategy and approach
- IV. Macular hole
- A. New classification consensus panel
  - B. Etiology
    - 1. Association with vitreomacular traction
  - C. Indications for surgery
  - D. Surgical approach and face down positioning

### Goals and Objectives:

1. To recognize different forms of diabetic retinopathy and indications for treatment
2. To learn different drug injections used for Wet Age Related Macular Degeneration and various treatment patterns
3. To understand surgical indications for epiretinal membrane and macular hole