**The today show: The Retinal consultation hour**

**Abstract and needs assessment**

The care and diagnosis of retinal diseases is in constant state of evolution. This contributes to variability in what is defined as “standard of care.” This course will set forth to educate the participant on the most up to date evidence based medicine (EBM) in addition to the spectrum of “real world” retina practice protocols/methodologies.

**Objectives**

At the conclusion of this course the participant will be familiar with:

a. Today’s EBM and clinical guidelines (i.e. AOA DM & plaquenil new guidelines, etc)

b. Urgencies vs emergencies, as well as proper referral practical guidelines derived from “real world” data

c. Spectrum of “real world” retina practical approach in the diagnosis and care of patients with retinal conditions.

**Outline**

**OCTA**

 What is the value in clinical practice?

 Future collaboration in management of choroidal neovascular membranes

 EBM: clinical studies

Obstacles: real world retina

Reimbursement

Would it change care of pt?

Difference between OCTA and FA

**Plaquenil screening**

 AAO 2016 recommended guidelines

 Primary tests used today: SDOCT & humprey visual field with white light (10-2 is commonly employ but 24-2 may be implemented in Asian pts)

 What are the risk factors?

 Proper guidelines for visual field testing and variation of ethnicity

 EBM vs real world retina adherence to the guidelines. Are people following standard of care? (readings)

**Vitreoretinal disease**

 Signs of ominous PVD

 Vitreous hemorrhage or pigmented cells

 Range in follow up

AOA 2004 guideline

AAO 2014 guidelines

Real world retina

 Controversies behind scleral depression

 Risk to retinal break &/or retinal detachment & timeline

 Proper documentation

 When to refer a retinal break

 Controversy behind floterectomy

 PVR: what is it?

**Nevus vs melanoma**

 TFSOM (thickness, fluid, symptoms, orange pigment & margins near the nerve) guidelines that may be associated with a small melanoma

 Most definitive confirmation is growth over a short time

 Value of OCT vs ultrasonography

 What changes signify possible conversion

**ERM**

 Reason to consider treatment

 Patient’s symptymology is #1 criteria

VA limits

retinal edema

 Treatment options

**CRAO**

 AHA/ASA recommendations

 Our standard of care: real world retina

 Since it is commonly an embolitic event work-up includes: heart echo and carotid doppler

**Age related macular degeneration**

 What is a chroidal neovascular (CNVM) plaque & its significance?

 OCT findings associated with CNVM & clinical findings

 i.e Thickening, fluid, exudation, heme, retinal/rpe detachment

 How is it different than PCV? When do you consider PCV (DFE vs OCT)?

 Most common dosage of anti-vegf is treat and extend

**Central serous choroidopathy**

 When to consider referring?

Chronic case & treatment options

 Variable treatment options for recurrent or chronic cases

 Real world retina & PDT

Value of CAIs or NSAIDS

**The world of Anti-VEGF therapy (AVT)**

 Which is better for diabetic macular edema: protocol T (DRCR.net studies)

 Common complications to look out for

 Elevated IOP

 Silicon droplets with the use of Avastin

 Paradigm shift in the treatment of proliferative DR: protocol S

 What is treat and extend?

 How quickly should CNV be refer for treatment?

**Retinal vein occlusion**

 What are the distinct treatments for branch and central RVO with macular edema?

 When should I refer a RVO?

 What are the common systemic diseases associated with RVO?

 What is the relationship with glaucoma?

 What is the follow up guidelines: EBM vs real world retina

 Most common treatment employ include antivegf over ozurdex

**Diabetic retinopathy**

Proper follow up according to new AOA 2014 and AAO 2016 guidelines

 Is FA a requirement following PRP for PDR: real world retina

 Protocol S

When to refer

DME vs CSME and subfoveal DME

 Timeline for referral

Treatment options and when is each implemented

 Steroid injections vs implants

 Is focal laser still use?

 Role of Anti-VEGF therapy

**The not so common conditions and their relevance**

 Polypoidal

 Recurrent serosanguineous RPE detachment in darkly pigmented middle aged pts

 Braching choroidal vasculalopthies with polyps

Pachychoroid

Pathophysiology and continuum of central serous choroidopathy into pachychoroid neovasculopathy

neovasculopathy & wet macular degeneration

how to measure it and its significance

 differential diagnosis & the importance in treatment management

Common management of ICSC is observed but in chronic cases PDT is affective