

Uveitis Roadmap – Revised 4/1/2020

Current Lecture Schedules:

Uveitis	
Schedule A	Schedule B
Intro – Overview of Dx and treatment	Introduction – Overview of Dx and treatment
Intro II – Overview of Dx and treatment	Retinal vasculitis
Anterior Uveitis	Multimodal imaging in uveitis
Intermediate Uveitis	Scleritis and Episcleritis
Infectious Posterior Uveitis	Noninfectious posterior uveitis
Pediatric Uveitis – none admixed	Dx and Tx Vitrectomy
OKAPS review	OKAP review

Proposed Sessions:

Session	Pre-Work	Objectives
<b>Introduction:</b> Intro to Uveitis Intro to Immunosuppression	SUN working group, Approach to the Diagnosis of the Uveitides 2000 paper on expert panel of IMT, subsequent expert panel on Biologics, and Visual Trials	<ul style="list-style-type: none"> <li>▪ Understand epidemiology, classification, diagnostic approach, and general principles of treatment of uveitis</li> <li>▪ Diagnoses not to miss on call (ARN, endophthalmitis)</li> <li>▪ Principles of immunosuppression (will cover specific indications in subsequent lectures)</li> </ul>
<b>Session 1:</b> Anterior Uveitis Episcleritis/Scleritis	Dr. Shakoor’s anterior uveitis lecture on Moran Core 10/18/19 (can skip TINU, JIA sections) Article: Rosenbaum JT, New developments in uveitis associated with HLA B27 <i>BCSC chapter on episcleritis/scleritis</i>	<ul style="list-style-type: none"> <li>▪ Identify classic features of HLA-B27 (AS, psoriatic, IBD, ReA), FHI, herpetic (HSV, VZV, CMV)</li> <li>▪ Distinguish episcleritis vs. scleritis</li> <li>▪ Understand initial approach, examination, laboratory testing of disease entities</li> <li>▪ Name ddx for AU with high IOP, different types of KP, nodules</li> </ul>
<b>Session 2:</b> Pediatric Uveitis Intermediate Uveitis	Moran CORE – Pediatric uveitis Dr. Vitale 2017 <i>BCSC chapter article on IU</i>	<ul style="list-style-type: none"> <li>▪ Understand features of JIA-assoc uveitis, TINU, Blau syndrome</li> <li>▪ Diagnosis, workup and tx of intermediate uveitis (idiopathic, sarcoid, MS, infectious)</li> </ul>

		<ul style="list-style-type: none"> <li>▪ Imaging/FA findings in IU</li> <li>▪ JIA - indications for IMT</li> </ul>
<b>Session 3:</b> Non-Infectious Posterior Uveitis	<p>Moran CORE White dot syndrome overview and Birdshot video Vasculitis video</p> <p><i>BCSC Chapter on white dots</i></p>	<ul style="list-style-type: none"> <li>▪ Identify and understand disease characteristics, presentation, diagnosis, and treatment of posterior uveitides and vasculitides (white dot syndromes, sarcoid, VKH, Behcet's, SLE)</li> <li>▪ Disease-specific indications of IMT</li> </ul>
OKAPS Review		<ul style="list-style-type: none"> <li>▪ Review topics pertinent to board exam</li> <li>▪ Recap of medication toxicities</li> </ul>
<b>Session 4</b> Infectious Posterior Uveitis	<p>Review articles proposed by Dr. Larochelle + EyeWiki of rare diseases</p> <p>Moran CORE Infectious Posterior Uveitis – 2017 lecture</p> <p><i>BCSC Ch. 10, 11, 12</i></p>	<p>Identification and understanding of disease characteristics, presentation, diagnosis, and treatment of:</p> <ul style="list-style-type: none"> <li>▪ Viral retinitis (HSV, VZV, CMV) – including ARN, BARN, PORN, CMV</li> <li>▪ Syphilis (ASPPC)</li> <li>▪ Toxoplasmosis</li> <li>▪ Tuberculosis</li> <li>▪ Endogenous endophthalmitis</li> <li>▪ Neuroretinitis/Bartonella</li> <li>▪ Toxocariasis</li> <li>▪ Rare entities: West Nile, DUSN, onchocerciasis, Lyme, cysticercosis</li> </ul>

#### Resources:

- SUN Working Group
- Approach to the Diagnosis of the Uveitides, Jabs, et al. *Am J Ophthalmology*. Aug 2013; 156(2): 228–236
- Intermediate Uveitis (review article), Bonfioli et al. *Seminars in Ophthalmology*. Jul 2009; 20(3): 147-154.
- Infectious Causes of Posterior Uveitis (review article), Mandelcorn, ED. *Can J Ophthalmology*. Feb 2013; 48(1): 31-39.
- Immunosuppression for the Uveitides, Jabs, DA. *Ophthalmology*. Feb 2018; 125(2): 193–202.

#### Moran CORE:

- Introduction to Uveitis – 2018 (Dr. Vitale): <http://morancore.utah.edu/section-09-intraocular-inflammation-and-uveitis/introduction-to-uveitis/>
- Infectious Posterior Uveitis – 2017 (Dr. Vitale): <http://morancore.utah.edu/section-09-intraocular-inflammation-and-uveitis/infectious-posterior-uveitis/>

- Retinal Vasculitis – 2016 (Dr. Shakoor): <http://morancore.utah.edu/section-09-intraocular-inflammation-and-uveitis/retinal-vasculitis/>
- Treatment of Uveitis – 2019 (Dr. Vitale): <http://morancore.utah.edu/section-09-intraocular-inflammation-and-uveitis/treatment-of-uveitis/>
- Pediatric Uveitis – 2017 (Dr. Vitale): <http://morancore.utah.edu/section-09-intraocular-inflammation-and-uveitis/pediatric-uveitis/>
- OKAP Review – 2019 (Dr. Laroche): <http://morancore.utah.edu/section-09-intraocular-inflammation-and-uveitis/okap-review-uveitis/>

### **Core Topics**

These topics are critical concepts we want residents to master during their time on the Uveitis rotations. Discussions should be in the form of a brief, informal presentation (5 minutes) prepared by the resident.

- ✓ New uveitis patient history-taking, approach, and initial work up (ROS, exposure history)
- ✓ Appropriate use of topical, periocular, and systemic steroids
- ✓ Indications for (and the potential toxicities) of immunomodulatory therapy, including specific side-effect profiles of individual agents.
- ✓ Co-management with other specialties (Rheumatology, Infectious Disease)

### **Required Clinical Skills**

The resident is responsible for ensuring adequate exposure to the following clinical and procedural concepts while on the rotation.

- ✓ Grading of anterior chamber cell and flare
- ✓ Grading of vitreous cell and haze
- ✓ Intra-vitreous steroid injections
- ✓ Sub-Tenon's steroid injections
- ✓ Interpretation of ancillary testing and imaging studies (e.g. FA, OCT, etc.)

*Core Topics and Skills can be completed over the PGY-2 year on the 1-month Uveitis rotation and/or the PGY-3 year when the resident is in Uveitis clinic on their 3-month Retina rotation.*

### **Landmark Trials:**

Association Between Long-Lasting Intravitreal Fluocinolone Acetonide Implant vs Systemic Anti-inflammatory Therapy and Visual Acuity at 7 Years Among Patients With Intermediate, Posterior, or Panuveitis. *AMA*. 2017 May 16;317(19):1993-2005. doi: 10.1001/jama.2017.5103.

[Writing Committee for the Multicenter Uveitis Steroid Treatment \(MUST\) Trial and Follow-up Study Research Group, Kempen JH<sup>1</sup>, Altaweel MM<sup>2</sup>, Holbrook JT<sup>3</sup>, Sugar EA<sup>4</sup>, Thorne JE<sup>5</sup>, Jabs DA<sup>6</sup>.](#)