

IUSG – Webinars 1. Series

IUSG-Virtual Course Program

I. Basic Uveitis course:

1-2021: Day 1: January 16

Basic Uveitis (John Kempen, Daniel Vasconcellos-Santos, Peter McCluskey, Reema Bansal)

1. Anatomy related to uveitis (Reema Bansal, 10 minutes,)
2. Epidemiology of the various types of uveitis (John Kempen, 20 minutes)
3. History of uveitis (Manfred Zierhut, 15 min)
4. Differentiation of the anatomical types of uveitis (Daniel Vasconcellos-Santos, 15 min)
5. How the history of the patient may help to identify the type of uveitis (Peter McCluskey, 15 min)
6. Investigations for uveitis, minimal diagnostics (Daniel Vasconcellos-Santos, 20 min)
7. Controversy: unclear findings, contrary opinions, hot topics (all speakers, 15 min)
8. Discussion (all speakers, 10 min)

2-2021: Day 2: February 6

Diagnostics (Vishali Gupta, Moncef Khairallah, Justus Garweg, Rafael Grajewski)

1. Anatomical types of uveitis and the associated disorders (Rafael Grajewski, 10 minutes),
2. Diagnostics for anterior uveitis: clinical diagnosis, serological testing, role of AC-tap, radiological methods (Justus Garweg, 20 min)
3. Diagnostics for intermediate uveitis: clinical findings, difference to posterior and anterior uveitis, associated disorders and how to detect them, role of VR-biopsy, role of FLA, OCT (Moncef Khairallah, 25 min)
4. Diagnostics for posterior uveitis: serology, radiological findings, diagnostic ppV, choroidal biopsy, MRI, OCT, autofluorescence, FLA, ICG (Vishali Gupta, 30 min)
5. Minimal diagnostics, necessary for each type (Rafael Grajewski, 5 min)
6. Controversy round table (all speakers, 10 min)
7. Discussion (all speakers, 20 min)

3-2021: Day 3: March 6

Anterior and intermediate uveitis (Soon Phaik Chee, Debra Goldstein, Manfred Zierhut)

1. Short repetition about the various anatomical types of uveitis and the typically associated disorders (excluding probably posterior uveitis) (Manfred Zierhut, 10 minutes)
2. Clinic of anterior uveitis: typical patterns of acute vs chronic, differentiation following clinical signs (Manfred Zierhut, 30 minutes)
3. Clinic of intermediate uveitis (Debra Goldstein, 20 Min)
4. Diagnostic methods for anterior and intermediate uveitis (Soon Phaik Chee, 10 minutes)
5. Treatment of anterior uveitis (Debra Goldstein, 15 minutes)
6. Treatment of intermediate uveitis (Soon Phaik Chee, 10 minutes)
7. Controversy, (probably as a round table?) (all speakers, 15 min)
8. Discussion (all speakers, 10 min)

4-2021: Day 4: April, 3, 2021

Posterior Uveitis (Marc deSmet, Fernando Arevalo, Annabelle Okada)

1. Introduction: (Anatomical types of uveitis, typically associated disorders, pathophysiology of posterior uveitis) (Marc deSmet. 20 min)
2. How to differentiate posterior uveitis clinically:
 - A: types of vasculitis, White dot syndromes, retinal detachment (Annabelle Okada, 20 min)
 - B: location of inflammation (retinal, retinochoroidal, choroidal), vitreous involvement (+/-) (Fernando Arevalo, 20 min)
3. Use of serology and radiological methods, ppv and chorioretinal biopsy (15)(Marc de Smet, 15 min)
4. How to use the diagnostic methods for posterior uveitis (FLA, ICG, OCT, autofluorescence) and how to use them to differentiate these forms (Arevalo, deSmet, Okada, 20 min)
5. Controversy (Round Table): unclear findings, contrary opinions, hot topics (all speakers, 10 min)
6. Discussion (all speakers, 15 min)

5-2021: Day 5: May, 8, 2021

Treatment (Sofia Androudi, Nida Sen, Manfred Zierhut)

1. Therapy concepts for uveitis (Manfred Zierhut, 10 min)
2. Therapy with corticosteroids (Sofia Androudi, 15 min)
3. Therapy with immunosuppressive drugs (Nida Sen, 15 min)
4. Therapy of infectious forms of uveitis (Vishali Gupta, 15 min)
5. Therapy with biologics (Nida Sen, 15 min)
6. How to integrate surgery in uveitis patients (Sofia Androudi, 10 min)
7. Top 10 of faults in the treatment of uveitis (Manfred Zierhut, 10 min)
6. Controversies (all speakers, 20 min)
7. Discussion (all speakers 10 min)

II. Special Uveitis Course:

6-2021: Day 6: June, 5, 2021

HLA-B27 and uveitis (Peter McClusky, Dennis Wakefield, Jim Rosenbaum?)

1. Anterior Uveitis: genetics and epidemiology (Dennis Wakefield, 10 min)
2. Clinical features and grading (Peter McCluskey, 10 min)
3. Systemic disease and anterior uveitis (Dennis Wakefield, 15 min)
4. HLA-B27, Microbiome and anterior uveitis (Jim Rosenbaum 15 min, prerecorded)
5. Approach to treatment of anterior uveitis (Peter McCluskey, 15 min)
6. New therapy for anterior uveitis (Dennis Wakefield, 10 min)
7. New concept: "HLA-B27 Typical acute anterior Uveitis" (Manfred Zierhut, 10 min)
8. Controversies for "HLA-B27 associated uveitis" (all speakers, 10 min)
9. Discussion (all speakers, 15 minutes)

7-2021: Day 7: July 3, 2021

Viral anterior uveitis (Soon-Phaik Chee, Jolanda de Groot-Mijnes, Uwe Pleyer, Debra Goldstein)

1. immunology vs.infection in viral disorders – (Jolanda de Groot, 15min)
2. Clinical of viral anterior uveitis (Soon-Phaik Chee/Uwe Pleyer 25min)
3. Clinically differentiating among viruses – (Soon-Phaik Chee, 10min)
4. Diagnostics in viral anterior uveitis (Jolanda de Groot, 15 min)
5. Treatment of viral anterior uveitis (Uwe Pleyer, 20 min)
6. Cases – (Debra Goldstein and the whole panel, 20 min)
7. Controversy 2 topics (infectious vs. immunologic response in various phenotypes, treatment) (The pannel, 15 min)

8-2021: Day 8: August 7, 2021

TB (Vishali Gupta, John Kempen, Rupesh Agarwal, Salil Mehta)

1. Nomenclature of ocular tuberculosis (Rupesh Agarwal, 15 min)
2. Pathophysiology and immunology of TB (Soumyava Basu, 15 min)
3. Epidemiology of TB (John Kempen, 15 min)
4. Clinic of ocular TB (Vishali Gupta, 20 min)
5. Diagnostics of TB (Salil Mehta, 15 min)
6. Treatment of ocular TB (Vishali Gupta, 10 min)
7. Problem of multidrug resistant TB (Mamta Agarwal, 8 min)
8. pulmonary vs. extrapulmonary TB (Soumyava Basu, 10 min)
9. Controversies (Round Table) (all speakers 15 min)
10. Discussion (all speakers, 14 Min)

9-2021: Day 9: September, 4, 2021

**Current Concepts in the Diagnosis and Management of Ocular Sarcoidosis
(Manabu Mochizuki, Quan Dong Nguyen, Justine Smith)**

1. Introduction (Justine Smith, FRANZCO, PhD; 5 min)
2. Sarcoidosis as a systemic disease (Onn Min Kon, FRCP, MD; 15 min)
3. Revised IWOS criteria for the diagnosis of ocular sarcoidosis (Manabu Mochizuki, MD, PhD; 15 min)
4. SUN perspective on ocular sarcoidosis (Jennifer Thorne, MD, PhD, 10 min)
5. Differential diagnosis of ocular sarcoidosis (Debra Goldstein, MD, 10 min)
6. Drug-induced sarcoidosis (Manfred Zierhut, MD, PhD, 10 min)
7. Distinguishing sarcoidosis from tuberculosis (Rupesh Agrawal, MD, 10 min)
8. Management of ocular sarcoidosis (Hiroshi Takase, MD, PhD; 15 min)
9. Case presentations and group discussion: (Quan Dong Nguyen, MD, MSc, with guests; 30 min)

10-2021: Day 10: October, 2, 2021

**DD and multimodal imaging (Francesco Pichi, Ester Carreno Salas, Marion Munk,
Alessandro Invernizzi, Aniruddha Agarwal)**

1. IMAGING FOR ANTERIOR UVEITIS (20 min)
The Cell: automated assessment of AC inflammation (A Invernizzi)
versus
Reservoir Dog: automated flare assessment for AC inflammation (M Munk)
2. IMAGING OF THE RETINA VASCULATURE IN POSTERIOR UVEITIS (20 min)
How To Lose A Dye In 10 Days: will swept source-OCTA replace conventional angiography? (M Munk)
Versus
The Incredible Hulk: indocyanine green angiography and other modalities to assess the choroid (E Carreño)
3. OLDIES BUT GOODIES (20 min)
The Last Boy Scout: OCT, the Swiss Army knife of the uveitis specialist (A Invernizzi)
Versus
Face Off: en face OCT to assess the outer retinal changes in uveitis (F Pichi)
4. CUTTING EDGE IMAGING IN UVEITIS (20 min)
Grease: imaging of the vitreous gel to get insight into uveitis (F Pichi)
Versus
Six Feet Deep: advanced imaging of the choroid in uveitis (A Agarwal)
5. Discussion (all speakers)