“Optical coherence tomography in multiple sclerosis”

**MONDAY, 25 JUNE 2018**

08.25  Welcome  
*Bernhard Hemmer (Munich, DE)*

08.30 - 10.00  **Session 1: OCT technique and visual system**  
Chairs: Alexander U. Brandt (Berlin, DE), Netta Levin (Jerusalem, IL)

08.30 – 09.00  Assessing visual function in clinical practice  
*Netta Levin (Jerusalem, IL)*

09.00 – 09.30  Technique, methodological limitations, different OCT applications / brands  
*Gábor Mark Somfai (Budapest, HU/Olten, CH)*

09.30 – 10.00  Factors influencing OCT parameters (e.g. eye diseases) including quality control and quality criteria  
*Lisanne Balk (Amsterdam, NL)*

10.00 – 10.30  Coffee break

10.30 - 11.30  **Session 1: OCT technique and visual system (continued)**  
Chairs: A. U. Brandt (Berlin, DE), Netta Levin (Jerusalem, IL)

10.30 – 11.00  Retinal segmentation  
*Hanna Zimmermann (Berlin, DE)*

11.00 – 11.30  OCT angiography  
*Gabriella Szatmáry (Hattiesburg, USA)*

11.30 – 12.30  **Session 2: Retinal OCT in experimental neuroimmunology**  
Chairs: Benjamin Knier (Munich, DE), Ari Green (San Francisco, US)

11.30 – 12.00  Murine and rat OCT  
*Sven Schippling (Zurich, CH)*

12.00 – 12.30  Two-photon excitation microscopy  
*Hanna Zimmermann (Berlin, DE)*

12.30 – 14.00  Lunch break

14.00 – 15.30  **Hands on Session 1**  
Assessment of the visual system, OCT analysis, OCT quality control

15.30 – 16.00  Coffee break
16.00 – 18.00  Hands on Session 1 (continued)
Assessment of the visual system, OCT analysis, OCT quality control

19.00  Dinner at the hotel

TUESDAY, 26 JUNE 2018

08.30 – 10.30  Hands on Session 2
OCT segmentation; clinical cases

10.30 – 11.00  Coffee break

11.00 – 13.00  Hands on Session 2 (continued)
OCT segmentation; clinical cases

13.00 – 14.30  Lunch break

14.30 – 16.00  Session 3: OCT and optic neuritis
Chairs: Laura Balcer (New York, US), Wolf Lagrèze (Freiburg, DE)

14.30 – 15.00  Analyzing optic neuritis during clinical practice: OCT, VEP, ERG and MRI
Letizia Leocani (Milan, IT)

15.00 – 15.30  Optic neuritis during MS (time course, findings, prognostic impact)
Fiona Costello (Calgary, CA)

15.30 – 16.00  Functional impact of retinal damage (impact on LCLA, color vision, QOL, motion perception)
Laura Balcer (New York, US)

16.00 – 16.30  Coffee break

16.30 – 17.30  Session 3: OCT and optic neuritis  (continued)
Chairs: Laura Balcer (New York, US), Wolf Lagrèze (Freiburg, DE)

16.30 – 17.00  OCT as outcome measure in optic neuritis trials
Wolf Lagrèze (Freiburg, DE)

17.00 – 17.30  OCT as outcome measure in multiple sclerosis trials
Ari Green (San Francisco, US)

19.00  Summer School Dinner
WEDNESDAY, 27 JUNE 2018

08.30 – 11.00  Session 4: OCT in multiple sclerosis
Chairs: Peter Calabresi (Baltimore, US), Axel Petzold (London, UK)

08.30 – 09.00  OCT in CIS and early MS
Benjamin Knier (Munich, DE)

09.00 – 09.30  OCT in later stages and progressive MS
Elena Martinez-Lapiscina (Barcelona, ES)

09.30 – 10.00  OCT and MRI
Peter Calabresi (Baltimore, US)

10.00 – 10.30  OCT and body fluid markers (biomarkers from blood, CSF; genetics)
Axel Petzold (London, UK)

10.30 – 11.00  OCT and disease modifying therapies
Shiv Saidha (Baltimore, US)

11.00 – 11.30  Coffee break

11.30 – 13.30  Session 5: OCT in other neurological diseases
Chairs: Friedemann Paul (D), Olivier Outteryck (FRA)

11.30 – 12.00  NMO
Olivier Outteryck (Lille, FR)

12.00 – 12.30  MOG-EM
Friedemann Paul (Berlin, DE)

12.30 – 13.00  Susac’s syndrome
Alexander U. Brandt (Berlin, DE)

13.00 – 13.30  OCT outside MS: Aging, Parkinson’s disease, Huntington’s disease
Philipp Albrecht (Düsseldorf, DE)

13.30  Lunch and individual departure