

# EYE MOVEMENTS COURSE

PORTUGUESE NEUROLOGICAL SOCIETY

27TH OCTOBER 2021, ONLINE AN IN-PERSON MEETING

GRANDE REAL SANTA EULÁLIA RESORT HOTEL SPA, ALBUFEIRA, PORTUGAL

## AGENDA

### *IN-PERSON*

11:00 OCULAR MOTOR, VESTIBULAR AND NEURO-OPHTHALMOLOGICAL EXAM (HANDS-ON)

*JOÃO LEMOS, ANA INÊS MARTINS*

13:00 LUNCH BREAK

### *ONLINE*

14:00 ANATOMICAL AND PHYSIOLOGICAL BASIS OF EYE MOVEMENTS

*DAVID ZEE*

14:30 QUESTIONS & ANSWERS

14:40 EYE MOVEMENTS IN DEGENERATIVE AND HEREDITARY ATAXIA

*DAVID ZEE*

15:10 QUESTIONS & ANSWERS

15:20 EYE MOVEMENTS IN DEMYELINATION

*ERIC EGGENBERGER*

15:50 QUESTIONS & ANSWERS

16:00 EYE MOVEMENTS IN STROKE

*DAN GOLD*

16:30 QUESTIONS & ANSWERS

16:40 BREAK

16:50 EYE MOVEMENTS IN MOVEMENT DISORDERS

*JOÃO LEMOS*

17:10 QUESTIONS & ANSWERS

17:20 EYE MOVEMENTS IN NEUROMUSCULAR DISORDERS

*WAYNE CORNBLATH*

17:50 QUESTIONS & ANSWERS

18:00 UNUSUAL EYE MOVEMENTS

*DAVID ZEE*

18:30 QUESTIONS & ANSWERS

18:40 FINAL REMARKS

*JOÃO LEMOS*

19:00 END OF THE COURSE

## COURSE DESCRIPTION

THIS COURSE, DURING THE MORNING, WILL PROVIDE IN-PERSON HANDS-ON TRAINING IN OCULAR MOTOR, VESTIBULAR, AND NEURO-OPHTHALMOLOGICAL EXAM. THE TESTS AND TECHNIQUES THAT ARE REGULARLY PERFORMED IN THE CLINIC IN PATIENTS WITH EYE MOVEMENT DISORDERS WILL BE PRACTICED, INCLUDING OCULAR FIXATION, PURSUIT AND SACCADES TESTING, ALTERNATE COVER TEST, HEAD IMPULSE, HEAD SHAKING, VIBRATION AND POSITIONAL TESTING, AND VISUAL ACUITY, VISUAL FIELDS, PUPILLARY AND FUNDUSCOPIC ASSESSMENT. DURING THE AFTERNOON, EYE MOVEMENT DISORDERS COMMONLY OBSERVED IN EACH NEUROLOGIC SUBSPECIALITY, INCLUDING IN ATAXIA, DEMYELINATING DISORDERS, STROKE, MOVEMENT DISORDERS, AND NEUROMUSCULAR DISORDERS CLINIC WILL BE REVIEWED. THE AGENDA IN THE AFTERNOON WILL CONSIST OF INTERACTIVE AND VIDEO-BASED LECTURES PROVIDED BY INTERNATIONAL EXPERTS ON EYE MOVEMENTS. THE COURSE WILL SPAN A VARIETY OF OCULAR MOTOR ABNORMALITIES INCLUDING SACCADIC DISORDERS, VESTIBULAR DISORDERS, STRABISMUS, GAZE PALSIES, CENTRAL NYSTAGMUS, AND OCULAR FIXATION, VERGENCE AND PURSUIT DISORDERS. RARE AND UNUSUAL EYE MOVEMENT ABNORMALITIES WILL ALSO BE DISCUSSED.

## COURSE LEARNING OBJECTIVES

UPON CONCLUSION OF THIS COURSE, PARTICIPANTS SHOULD BE ABLE TO:

- RECOGNIZE AND DISCUSS THE FUNDAMENTAL CONCEPTS ON THE PHYSIOLOGY AND PATHOPHYSIOLOGY OF EYE MOVEMENTS.

- RECOGNIZE AND CORRECTLY IDENTIFY ABNORMALITIES OF OCULAR FIXATION INCLUDING DIFFERENT VARIETIES OF SACCADIC INTRUSIONS, ABNORMALITIES OF SACCADDES INCLUDING LATENCY, VELOCITY AND AMPLITUDE DISORDERS, ABNORMALITIES OF OCULAR PURSUIT, ABNORMALITIES OF THE VESTIBULAR SYSTEM INCLUDING SPONTANEOUS AND POSITIONAL NYSTAGMUS AND HEAD IMPULSE DISORDERS, AND ABNORMALITIES OF OCULAR VERGENCE.
- CONTEXTUALIZE EACH EYE MOVEMENT DISORDER WITHIN THE APPROPRIATE CLINICAL SCENARIO, BY KNOWING WHAT TO EXPECT IN TERMS OF OCULAR MOTOR EXAM, IN A PATIENT WITH ATAXIA, STROKE, MULTIPLE SCLEROSIS, PARKINSON'S DISEASE, OR OCULAR MYASTHENIA.
- OPTIMIZE PRACTICAL SKILLS AND KNOWLEDGE ON THE OCULAR MOTOR, VESTIBULAR, AND NEURO-OPHTHALMOLOGICAL EXAM.

## INTENDED AUDIENCE

THIS COURSE IS DESIGNED FOR PHYSICIANS WHO TREAT PATIENTS WITH EYE MOVEMENT DISORDERS.

## REGISTRATION

TO REGISTER, PLEASE SEND AN EMAIL TO [PAULA.NORA@NORAHSEVENTS.PT](mailto:PAULA.NORA@NORAHSEVENTS.PT) AND/OR CALL +351 933 205 202. EARLY REGISTRATION IS ADVISED.

## REGISTRATION FEES

PORTUGUESE NEUROLOGICAL SOCIETY MEMBERS, 25€

PORTUGUESE NEUROLOGICAL SOCIETY NON-MEMBERS, 50€

## COURSE FACULTY

COURSE DIRECTOR,

*JOÃO LEMOS, M.D.*

AUXILIARY PROFESSOR OF NEUROLOGY; DIRECTOR, NEUROLOGY OF VISION AND BALANCE UNIT; DEPARTMENT OF NEUROLOGY, COIMBRA UNIVERSITY HOSPITAL CENTRE; COIMBRA UNIVERSITY

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*DAVID ZEE, M.D.*

PAUL AND BETTY CINQUEGRANA PROFESSOR OF NEUROLOGY, NEUROSCIENCE, OPHTHALMOLOGY, OTOLARYNGOLOGY-HEAD AND NECK SURGERY; DIVISION OF NEURO-VISUAL AND VESTIBULAR DISORDERS; THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE

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ASSOCIATE PROFESSOR OF NEUROLOGY, OPHTHALMOLOGY, NEUROSURGERY, OTOLARYNGOLOGY - HEAD & NECK SURGERY, EMERGENCY MEDICINE, AND MEDICINE; DIVISION OF NEURO-VISUAL & VESTIBULAR DISORDERS; DIRECTOR, VESTIBULAR & OCULAR MOTOR OTO-NEUROLOGY FELLOWSHIP; DIRECTOR, URGENT NEUROLOGY; THE JOHNS HOPKINS HOSPITAL

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