



International Parkinson and
Movement Disorder Society

LIVE Course Planning and Review Form

Activity title: Tremor from Basic Science to Clinical Diagnosis and Therapy

Tentative date: November 10-11, 2017

Location (must not be on the list of US travel warnings): Semmelweis University, Budapest, Hungary

Number of anticipated attendees: 100

Total number of credits requested: ____None ____ACCME (American) ____TBD-10 (European) ____EACCME ____ other

If ACCME credit, please attach accreditation cover page to course proposal document. Accreditation statement must appear on all activity materials except "save the date".

Sponsorship Type: ____X____Directly ____ Other:

Type of Activity

One-Time Live Activity

Repeating Live Activity (List all dates and locations below)

| Dates | City & State | Facility |
|-------|--------------|----------|
| | | |
| | | |

Review Status

MDS-ES Education Committee Date Reviewed _____ Date Approved _____

MDS-ES Executive Committee Date Reviewed _____ Date Approved _____

MDS Education Committee Date Reviewed _____ Date Approved _____

MDS Officers Date Reviewed _____ Date Approved _____

All Persons in Control of Content

| | | |
|---------------------------|---|---|
| Course Director(s) | 1. Gertrúd Tamás 2. Matej Skorvanek 3. Loránd Eröss | 1. Semmelweis University, Budapest, Hungary 2. P.J. Safarik University, Kosice, Slovak Republic 3. National Institute of Clinical Neurosciences, Budapest, Hungary |
| Proposed Faculty | 1. László Acsády 2. István Balás 3. Péter Barsi 4. Kailash Bhatia 5. Günther Deuschl 6. Marina de Koning-Tijssen 7. Norbert Kovács 8. Evžen Růžička 9. Jens Volkmann 10. Peter Valkovic 11. Muthuraman Muthuraman | 1. Institute of Experimental Medicine of the Hungarian Academy of Sciences, Budapest, Hungary 2. University of Pécs, Pécs, Hungary 3. Semmelweis University, Budapest, Hungary 4. University College London, London, UK 5. Christian-Albrechts University, Kiel, Germany 6. University of Groningen, Groningen, the Netherlands 7. University of Pécs, Pécs, Hungary 8. Charles University, Prague, Czech Republic 9. Julius Maximilians University, Würzburg, Germany 10. Comenius University, Bratislava, Slovak Republic 11. Johannes Gutenberg University, Mainz, Germany |
| Reviewers | MDS-ES Education Committee, MDS-ES Executive Committee, MDS Education Committee, MDS Officers | |
| MDS Staff | Sabine Gifford, Heather Vitale | |

Does suggested faculty require a visa for travel to the location of the meeting? If yes, please ensure there is enough time to arrange for required visas.

YES

NO

Marketing

Course description statement: Tremors are common but present in different movement disorders. The sources and networks for their generation are still of interest in basic and clinical studies; their clinical diagnosis is a challenge. This course is intended for neurologists, neurosurgeons, neuroscientists and general practitioners interested in tremor. In the course evidence-based results and speakers experiences will be reviewed from the basic science and clinical point of view; it will involve the new tremor classification scheme, which is being developed by the International Parkinson and Movement Disorder Society. The course also focuses on the approach to pharmacotherapy and discusses the neurosurgical procedures with emphasis on deep brain stimulation. Video case reports submitted by the participants will be presented at the end of the program precipitating further discussions.

Potentially conflicting meetings (*Competing meetings during that same period which could affect participation of the target audience*)

- *Management of Advanced Parkinson's disease with Infusion Therapies, Venice, Italy: October 26-27, 2017*

Please suggest any Associations, Societies or Contacts in the region that MDS marketing may want to use as potential marketing targets for this course:

| Association | E-mail address | Contact Person |
|--|--------------------------------|----------------------|
| Hungarian Neurology Society | csiba@med.unideb.hu | Prof. László Csiba |
| Hungarian Scientific Parkinson Society | klivenyi.peter@med.u-szeged.hu | Prof. Péter Klivényi |
| Hungarian Neurosurgical Society | mit@neurosurgery.org.hu | Prof. Pál Barzó |
| Movement Disorder section of the Slovak Neurological Society | peter.valkovic@gmail.com | Prof. Peter Valkovic |

Attachment 1 – Agenda

x This course will include a Rare Movement Disorder disease (Orphan) topic as one of its session presentations.

If checked, please name the Rare disease (Orphan) topic(s) to be covered in presentation:

1. rare genetic tremor disorder: ORPHA307061
2. hereditary essential tremor: ORPHA862
3. Primary orthostatic tremor: ORPHA238606

DAY 1 – Friday, November 10, 2017

BASIC SCIENCE

| | |
|---------------|--|
| 13:00 – 13:15 | Welcome and Introductions |
| 13:15 – 13:45 | Anatomy and Physiology of Tremors – A Thalamic Viewpoint <i>Prof. László Acsády – Budapest, Hungary</i> |
| 13:45 – 14:15 | Tremor Networks <i>Prof. Jens Volkmann, Würzburg, Germany</i> |
| 14:15 – 14:45 | Functional Investigations of Tremor Networks <i>Muthuraman Muthuraman, Mainz, Germany</i> |
| 14:45 – 15:00 | Round Table Discussion |
| 15:00 – 15:30 | COFFEE BREAK |

CLINICAL DIAGNOSIS 1

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|---------------|--|
| 15:30 – 16:00 | New Classification of Tremor <i>Prof. Kailash Bhatia, London, United Kingdom</i> |
| 16:00 – 16:30 | Essential Tremor, Dystonic Tremor <i>Prof. Günther Deuschl, Kiel, Germany</i> |
| 16:30 – 17:00 | Tremor in Parkinsonian syndromes <i>Dr. Matej Skorvanek, Kosice, Slovakia</i> |
| 17:00 – 17:30 | COFFEE BREAK |
| 17:30 – 18:00 | Jerky or Shaky – Differential Diagnosis of Tremor Look-alikes <i>Prof. Marina de Koning-Tijssen, Groningen, Netherlands</i> |
| 18:00 – 18:30 | Inherited Tremor Syndromes <i>Prof. Kailash Bhatia, London, United Kingdom</i> |
| 18:30 – 19:00 | Uncommon Tremor Syndromes, Functional Tremor <i>Prof. Evžen Růžička, Prague, Czech Republic</i> |
| 19:00 – 19:15 | Round Table Discussion |

DAY 2 – Saturday, November 11, 2017**CLINICAL DIAGNOSIS 2**

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|---------------|--|
| 09:00 – 09:30 | Clinical Examination of Tremor Patients <i>Prof. Günther Deuschl, Kiel, Germany</i> |
| 09:30 – 10:00 | Practical Application of Tremor Scales <i>Dr. Norbert Kovács, Pécs, Hungary</i> |
| 10:00 – 10:30 | Electrophysiological and Kinematic Analysis of Tremor <i>Dr. Gertrúd Tamás, Budapest, Hungary</i> |
| 10:30 – 11:00 | Neuroimaging of Tremor Syndromes <i>Prof. Péter Barsi, Budapest, Hungary</i> |
| 11:00 – 11:15 | Round Table Discussion |

PHARMACOLOGICAL AND NEUROSURGICAL THERAPY OF TREMOR

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|---------------|--|
| 11:15 – 11:45 | Pharmacological Therapy of Tremor <i>Prof. Evžen Růžička, Prague, Czech Republic</i> |
| 11:45 – 12:00 | Botulinum Toxin for Tremor? Review of the Literature <i>Prof. Peter Valkovic, Bratislava, Slovakia</i> |
| 12:00 – 12:15 | Round Table Discussion |
| 12:15 – 13:00 | LUNCH |
| 13:00 – 13:30 | Targeting in Tremor Surgery <i>Dr. Loránd Erőss, Budapest, Hungary</i> |
| 13:30 – 14:00 | Deep Brain Stimulation for Tremor in Parkinson's disease and Essential Tremor - <i>Prof. Günther Deuschl, Kiel, Germany</i> |
| 14:00 – 14:30 | Deep brain stimulation for uncommon types of tremor <i>Prof. Jens Volkmann, Würzburg, Germany</i> |
| 14:30 – 15:00 | Thalamotomy (Thermocoagulation, Gamma Knife, Ultrasound) <i>Dr. István Balás, Pécs, Hungary</i> |
| 15:00 – 15:15 | Round Table Discussion |
| 15:15 – 15:45 | COFFEE BREAK |

CASE DEMONSTRATIONS

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|---------------|--|
| 15:45 – 16:45 | Video Case Presentations (10 – 12 presentations, approx. 5 minutes per presentation) <i>Prof. Peter Valkovic, Bratislava, Slovakia</i> |
| 16:45 – 17:00 | Closing Remarks |