



## 2012-2014 MDS-ES Education Strategic Plan

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### Overview

#### **Guiding principles of the Strategic Plan:**

- The need to plan educational activities in Europe proactively
- To acknowledge the changing scenario in Europe resulting from the planned dissolution of the EFNS and ENS and the creation of the European Academy of Neurology, combined with the wish to enhance the role of MDS-ES in the provision of education in Europe
- The desire to provide excellent models for new MDS educational offerings throughout the Regional Sections

#### **Short- to medium-term strategies for 2012-2014:**

- Consolidate existing programs
- Identify new educational formats
- Engage different target audiences
- Maintain service to Eastern Europe while organizing activities in new geographical areas
- Plan an annual educational activity in North Africa for the period of 2012-2014
- Request an increase in the annual MDS grant for education in underserved areas to enable the Section to better address orphan topics and the needs of underserved geographical areas

#### **Proposed new activities to be planned in 2012-2014:**

- A course for Health Professionals (non-physicians)
- A new educational event for basic scientists
- A movement disorders course for pharmaceutical professionals
- A fellowship program to enable participants from Europe and North Africa to spend time in a European Movement Disorders specialist center

## **2012-2014 MDS-ES Education Strategic Plan**

### **Background and Development**

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The proposal to develop the MDS-ES Education Strategic Plan has coincided with the conclusion of the Committee's first term and completion of a core portfolio of movement disorders educational events in Europe in 2009-2011. The success of these activities has created the impetus to move forward with a long term strategic plan for movement disorders education in Europe in 2012-2014.

The main objective of the strategic plan is to improve the quality of the educational events on movement disorders throughout Europe and to refocus them to address the true needs in the region in terms of both underserved geographical areas and orphan topics.

Due to the imminent merger of the two major European neurological societies, the EFNS and the ENS, the MDS-ES has investigated expanding current MDS-ES educational offerings to a broader range of topics and a wider audience in an effort to ensure that MDS remains the primary source of movement disorders education in the region.

MDS-ES also wishes to maintain its key role in the development of the overall MDS educational portfolio by providing excellent educational models such as the Summer School concept, which was initiated in Europe with great success, and has now been replicated successfully in the Pan American Section. Additionally, the Dopamine Transporter Imaging workshops, long a staple of MDS-ES education are now being replicated in the United States. The Section would once again like to take the lead by providing more education on orphan topics, in underserved areas, in new educational formats and to new audiences such as Health Professionals (non-physicians), basic scientists, and pharmaceutical industry professionals.

Since the in-person meetings of the ESEC and the European Education Committee at the 15th EFNS Congress in Budapest, the Section has worked to identify potential goals and gaps in existing regional education that should be addressed in the coming years. Please see below an overview of the MDS-ES Education Strategic Plan.

The development of the Strategic Plan has progressed in three stages:

1. Inception at the ES Education Committee Meeting at the 15th EFNS Congress (Budapest)
2. Development through ES Education Committee and ESEC Teleconferences
3. Final Review and Approval by the ESEC

During the development of this document, the ES Education Committee has established the following overall priorities and goals to be accomplished from 2012-2014:

<b>Priority 1:</b>	<b>Education and Training</b>
<b>Goals:</b>	<ol style="list-style-type: none"><li>1. Guarantee the availability of educational initiatives and training on Movement Disorders in all underserved countries and provide education on orphan topics in better-served countries.</li><li>2. Improve the education and training of neurology trainees in movement disorders.</li><li>3. Improve the knowledge/training of Health Professionals (non-physicians) in movement disorders.</li><li>4. Improve both the movement disorders training of basic scientists and the training in basic science and methodology of clinical neurologists.</li><li>5. Assess the quality of MDS-ES education initiatives and address any areas that show a need for improvement.</li><li>6. Maintain the MDS-ES position as the primary source of movement disorders continuing education by developing a portfolio of courses that meet the wide ranging needs of the region.</li></ol>
<b>Priority 2:</b>	<b>Collaboration</b>
<b>Goal:</b>	<ol style="list-style-type: none"><li>1. Promote an active collaboration for educational initiatives with national societies/sections of other active movement disorders organizations.</li></ol>
<b>Priority 3:</b>	<b>Sustainability</b>
<b>Goals:</b>	<ol style="list-style-type: none"><li>1. Maintain the existing MDS-ES status as the primary source of movement disorders education in Europe and North Africa to ensure continued demand for MDS-ES education programs in the region.</li><li>2. Promote fiscal sustainability of the European Section through educational programming; the Section typically generates income from four to six satellite symposia at the EFNS Congress. In 2013, and most probably in the following years, this will need to be replaced by income from MDS-ES stand-alone activities</li></ol>

To meet these goals the ES Education Committee is proposing the following initiatives.

### **Underserved Areas and Orphan Topics Program**

The ES Education Committee would like to restructure the annual MDS grant for education in underserved regions (often referred to as the DWEC Fund) to focus on the Section's identified Orphan Topics and Underserved Areas.

Funds will be used to host Orphan Topic education in better-served countries, to host basic movement disorders education/non-Orphan Topic education in Underserved Areas, and to fund the travel/accommodations of short-term study visits of physicians/Health Professionals (non-physicians) from Underserved Areas to movement disorders centers. Better-served countries are here defined as not underserved.

The MDS-ES Education Committee has identified the following Underserved Areas and Orphan Topics.

#### **Orphan Topics**

These Orphan Topics were chosen based on review of recent MDS-ES education, perceived need by the ES Education Committee, and historical or anticipated difficulty in funding programming on these topics.

Ataxia	Sleep problems in movement disorders
Chorea and Ballismus	Spasticity
Emergency movement disorders	Stereotypies
Gait disorders	Stiff person's syndrome
Huntington's disease	Tics and Gilles de la Tourette syndrome
Myoclonus	Tremor
Pediatric movement disorders	Wilson's disease
Secondary movement disorders	

#### **Underserved Areas**

These Underserved Areas are countries that have been perceived to have limited access to movement disorders education based on economic factors, absence of a national movement disorders group, a low MDS Membership to population ratio or geographic gaps in recent MDS-ES education.

##### *Europe*

Albania	Lithuania
Armenia	Macedonia
Azerbaijan	Moldova
Belarus	Montenegro
Bosnia and Herzegovina	Romania
Bulgaria	Russia
Croatia	Serbia

Estonia  
Georgia  
Hungary  
Latvia

Slovakia  
Slovenia  
Ukraine

*Africa*

Algeria  
Egypt

Morocco  
Tunisia

## **Implementation Strategies for Underserved Areas**

### *Strategy a)*

As described above, the MDS-ES will attempt to host continuing medical education activities in identified Underserved Areas on non-orphan topics and activities on Orphan Topics in better-served areas.

### *Strategy b)*

The MDS-ES will sponsor the participation in educational activities for delegates from Underserved Areas where it is impractical or infeasible to provide education. Reasons for this may be based on the safety of the area, population constraints where there are few neurologists, or other reasons leading to an absence of robust movement disorders training in the region.

### *Strategy c)*

Modeled after the EFNS *Department to Department Co-operation Programme*, the MDS-ES will offer individual travel grants in the amount of €1500 plus travel expenses up to €300 to support participation in European movement disorders training visits for up to six weeks depending on the cost of living in the area to be visited.

Eligible candidates are those from identified Underserved Areas in Europe and North Africa. Applicants must be under the age of 40 and fluent in English, or in the local language of the host center. Awardees from previous years may not apply. Applicants will be required to complete a formal application and submit a CV (in English), a copy of a current passport, a list of publications, a copy of board certification, and three letters of recommendation from neurologists.

## 2012 - 2014 MDS-ES PORTFOLIO OF COURSES AND IMPLEMENTATION

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The MDS-ES requests the support of the MDS Officers to develop a set of core courses that address ongoing educational need and ongoing European Section strategic planning.

### **Background**

As part of the MDS-ES strategic planning for 2012-2014, the Section has focused on exploring educational alternatives for 2013 when MDS-ES will not receive income from the EFNS satellite symposia. Because this arrangement has served as a primary source of income for the Section, it has become a priority to consider alternative educational activities both to maintain the profile of the Section and to generate income in 2013.

### **Portfolio Structure**

The portfolio of courses will build on existing programs such as Deep Brain Stimulation for Movement Disorders (Kiel, May 2011) and the Summer and Winter Schools, as well as incorporate new topics. Several of the core courses would be planned annually and several would be rotated across three years. It is the intention that the full set of courses will be held in 2013.

### **Goals**

Planning this portfolio of courses will establish MDS-ES as a source of core movement disorders education in the region. Through these programs the Section also hopes to draw on and develop faculty and educational centers throughout the region, continually enhancing the quality of our education and further strengthening the Section's place in movement disorders education in Europe. Some proposed ideas to achieve this are to rotate annual programs among different sites and locations within the region, maintain continuity by inviting past course hosts to co-host or serve as faculty at the next installment of the annual programs, and encourage course hosts to select faculty from their institutions.

### **Financial Planning Timeline**

In keeping with the pharmaceutical fiscal planning season, the Section will prepare course proposals for 2013 by May 2012.

### **Proposed Portfolio of Courses**

Following discussion at the ESEC and the ES Education Committee, the ES would like to propose the following 2013 MDS-ES Portfolio of Education.

#### **Existing Courses**

##### **MDS-ES Summer School for Young Neurologists**

- *Timeline:* 3rd quarter of the year, annually
- *Size:* 48 participants
- *Target audience:* trainees in Movement Disorders and young neurologists under the age of 40 who have not decided upon an area of specialization within neurology
- *Learning objectives:* Examine a patient with a movement disorder; reach a diagnosis on straightforward movement disorders cases; propose a differential diagnosis on more complex movement disorders patients; present a movement disorders case history; design, review and modify a patient treatment plan

### **MDS-ES Winter School for Young Neurologists**

- *Timeline:* 1st quarter of the year, annually
- *Size:* 48 participants
- *Target audience:* trainees in Movement Disorders and young neurologists, under the age of 40 who have not decided upon an area of specialization within neurology
- *Learning objectives:* Examine a patient with a movement disorder; reach a diagnosis on straightforward movement disorders cases; propose a differential diagnosis on more complex movement disorders patients; present a movement disorders case history; design, review and modify a patient treatment plan

### **Deep Brain Stimulation for Movement Disorders**

- *Timeline:* Once annually
- *Size:* 30 participants
- *Target audience:* general neurologists and movement disorder specialists in training who are interested in the selection or postoperative management of patients with movement disorders (e.g. tremor, dystonia, Parkinson's disease) treated by deep brain stimulation surgery
- *Learning objectives:* Describe the current indications for deep brain stimulation in tremor disorders, dystonia and Parkinson's disease; describe the different brain targets for deep brain stimulation and their relation to specific disease symptoms; discuss the efficacy and associated risks for deep brain stimulation in movement disorders; describe the selection process of candidates for movement disorder surgery and to name the standard inclusion and exclusion criteria for tremor, dystonia or Parkinson's disease; describe the different electrical parameters, that can be adjusted for deep brain stimulation and to outline their biological effect; describe the adjustment of medication and stimulation during the postoperative period in Parkinson's disease; describe common therapy associated problems in the adjustment period and troubleshooting strategies; discuss device-related problems in deep brain stimulation; describe the role of the neurologist in the long-term management of patients with deep brain stimulation

### **Botulinum Toxin Training for Neurological Diseases**

- *Timeline:* Once annually
- *Size:* 35 participants
- *Target audience:* medical practitioners in the relevant fields with a working knowledge of diagnosis and general management of the various conditions; specialist nurse practitioners or other paramedical equivalents with a working knowledge of diagnosis and general management of the various conditions
- *Learning objectives:* discuss the biology of botulinum toxins and how they work in movement disorders; diagnose and manage the relevant main neurological conditions overall, including the role of botulinum toxin; develop treatment plans including types of botulinum toxins to use, doses, adverse effects, adjuvant therapy, monitoring and long-term strategies; deploy injection techniques including use of EMG/stimulation and imaging for target localization; improve running of a botulinum toxin clinic

**Dopamine Transporter Imaging in Neurological Practice** (to be continued if GE and/or other funders do not support the development of a broader topic course on neuroimaging, which would replace the DTI workshops)

- *Timeline:* Once
- *Size:* 35 participants
- *Target audience:* Movement disorder specialists, general neurologists, and trainees
- *Learning objectives:* describe how dopamine transporter imaging is performed and discuss the science underlying the procedure; discuss the interpretation of dopamine transporter images; list the diseases/symptoms for which dopamine transporter imaging may be an appropriate investigative tool; discuss how patients suitable for this procedure would be identified; discuss the current uses, potential future uses, and limitations of dopamine transporter imaging in neurological clinical practice and research applications

## **New Topics**

### *1-2 Day Courses/Workshops*

#### **Management of Non-Motor Problems in Parkinson's Disease**

- *Timeline:* Once annually
- *Size:* 40-50
- *Target audience:* Movement disorder specialists, general neurologists and trainees

**Neuroimaging in Parkinson's Disease** (to be implemented should GE and other funders find interest. Would replace the DTI workshops)

- *Timeline:* 1-2 times, annually
- *Size:* 100 participants
- *Target audience:* Movement disorder specialists, general neurologists, and trainees

#### **Practical Management of Parkinson's Disease** (program approved by MDS in 2010)

- *Timeline:* Once annually
- *Size:* 30-40
- *Target audience:* General Neurologists, Neurology Fellows, Geriatricians

### *New MDS-ES Schools*

#### **ES Movement Disorders Summer School for Allied Health Professionals**

- *Timeline:* Once, Spring 2013
- *Size:* 48
- *Target audience:* Physiotherapists
- *Focus:* Parkinson's disease and atypical parkinsonism

#### **Summer School on Dystonia (In collaboration with EU Initiative COST ACTION)**

- *Timeline:* Once, 2013
- *Size:* 48
- *Target audience:* Movement Disorder specialists, general neurologists and trainees

#### **Summer School for Neuroscientists**

- *Timeline:* Once, 2013
- *Size:* 48
- *Target audience:* Neuroscientists



*Industry-Targeted*

**Movement Disorders Training Course for Professionals in the Pharmaceutical Industry**

- *Timeline:* Once annually
  - *Size:* 100
  - *Target audience:* Professionals in the pharmaceutical industry (to be further defined)
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