



# Moving Along

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## Is transcranial sonography (TCS) useful in detecting the pre-motor phase of Parkinson's disease?

### (No)

—Uwe Walter, MD, Professor of Neurology, Department of Neurology, University of Rostock, Germany

In patients with PD an increased echosignal ('hyperechogenicity') of the substantia nigra (SN) is typically found on transcranial sonography (TCS).<sup>1,2</sup> A number of independent studies have demonstrated that this TCS abnormality can be detected in about 90% of PD patients.<sup>2</sup> The degree of SN hyperechogenicity in an individual PD patient was found to be stable during the disease course in a five-year follow-up study.<sup>3</sup> This, together with the finding of marked SN hyperechogenicity also in about 9% of healthy adult subjects, has led to the idea that TCS might be helpful for detecting individuals who are at risk, or already at pre-motor stages of PD.<sup>4</sup> This idea is supported by the results of several cross-sectional clinical and radiotracer imaging studies that were reviewed recently.<sup>2</sup> These studies have shown that SN hyperechogenicity in adults without a movement disorder is associated with a subclinical malfunction of the nigrostriatal dopaminergic system. Moreover, SN hyperechogenicity was related to subtle motor asymmetry in non-depressive and, even more frequently, in depressive subjects.<sup>5,6</sup>

However, the question whether TCS alone detects the pre-motor phase of PD is to be answered with NO for the following reasons:

- First, the results of ongoing large longitudinal studies dealing with this issue are not yet available.
- Second, it can be inferred from the prevalence differences of SN hyperechogenicity in healthy adults (9%) and of PD in subjects older than 60 years (1-2%) that at most 10-20% of healthy subjects with SN hyperechogenicity will develop PD during their life. Even if taking into account that more subjects

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### (Yes)

—Daniela Berg, MD, Professor, Center of Neurology, Department of Neurodegeneration and Hertie-Institute of Clinical Brain Research, University of Tübingen

Clinical as well as histopathological studies give evidence for an ongoing neurodegenerative process, most likely many years

before the typical motor symptoms allow the clinical diagnosis of Parkinson's disease (PD).<sup>1</sup> To allow an earlier, disease modulating or even neuroprotective therapy it is important to identify subjects in this state, which means at a time before the majority of dopaminergic neurons of the substantia nigra are lost. During this phase specific non-motor symptoms like hyposmia, depression, RBD, slight neuropsychological deficits, autonomic dysfunction and others can occur.<sup>2</sup>

In recent years, transcranial sonography (TCS) has evolved as a useful instrument in the differential diagnosis and even very early diagnosis of PD.<sup>3,4</sup> As a typical hallmark, hyperechogenicity (an enlarged and more intense signal) at the anatomical site of the substantia nigra (SN) can be found (figure).

Importantly this ultrasound signal can also be found in about 10% of healthy subjects.<sup>5</sup> There is accumulating evidence that SN hyperechogenicity may disclose a vulnerability of the nigrostriatal system in at least some of these persons. Moreover, an association of the ultrasound sign with a number of risk and premotor markers has been shown.

According to these studies subjects with SN hyperechogenicity but without the clinical picture of PD may show

- (i) A reduced presynaptic tracer uptake in PET and SPECT examinations of the nigrostriatal system in about 60%<sup>5-7</sup>,
- (ii) signs of motor retardation, sole resting tremor and other slight

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This issue of *Moving Along* is particularly rich with news linked to our Society activities. The extremely successful 13th MDS Congress in Paris, in which over 5,000 experts from all over the world met last June, summarizes several exciting lectures, workshops and teaching courses. We are pleased to acknowledge the steady increase in the number of attendees to the annual MDS Congress (and the interest in Movement Disorders) with each annual meeting... and already the 14th Congress in Buenos Aires is approaching in June, 2010. The program committee for this next Congress has done an excellent job completing an exciting preliminary program, which will be available on our Web site within the next few months.



Carlo Colosimo, MD

Reports from the MDS Regional Sections and from endorsed meetings and teaching courses are also listed in the present issue. We are particularly happy to welcome the new Pan-American Section of the MDS, lead by Jorge Juncos and Irene Litvan. Activities of this section will be featured in the next issue, particularly concerning the preliminary activities from countries of North and South America and the Carribean.



Mark Stacy, MD

The issue's Controversies in Movement Disorders section features Uwe Walter and Daniela Berg, who will discuss the pros and cons of utilizing transcranial Doppler sonography as an inexpensive and non-invasive marker for pre-symptomatic detection of Parkinson's disease. This technology, though still in the exploratory phase in many areas of the world, has found the most usage in Germany, where it originated. We are pleased that two leading researchers from Germany have agreed to provide insight to *Moving Along* readers.

Finally, we would suggest our readers to log into the MDS Web site. The site has been recently updated with extensive and up-to-date information regarding services for physicians and patients with Movement Disorders, as well as new tools for MDS Members. The MDS Web site aims to become the main forum to improve the knowledge and the quality of care in this fascinating field of neurology.



**LETTERS TO THE EDITORS**  
Your Comments and Questions Are Always Welcome

**Editorial Policy**

As part of its democratic commitment, MDS welcomes the input of all its members about the features and articles that appear in this newsletter. Have a comment or question? Each issue will include responses in the "Letters to the Editor" section. All materials submitted become the property of MDS.

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It is a great honor for me to assume the position of President of The *Movement* Disorder Society. I would like to express my gratitude to our Past-President Anthony Lang for his outstanding leadership over the past three years and I look forward to working with the Officers and International Executive Committee (IEC) to ensure the continued success of our Society.

I would also like to thank our outgoing Officers, Olivier Rascol, Yoshikuni Mizuno and Andrew Lees who worked tirelessly for our Society as well as the outgoing members of the IEC. We have much to show for their efforts.

### New Pan American Section

We are proud to introduce a new Regional Section, the Pan American Section (MDS-PAS), which evolved under the guidance of Tony Lang. The MDS-PAS has been modeled after the existing European and Asian-Oceanian Sections of the Society. The main goal of these Sections are to promote education in the field of Movement Disorders, and to provide a broader, more effective representation of its members by region.

### Educational Support Opportunities

MDS continues to increase the number of grants available to support educational activities. Regional education in developing countries is supported by a \$100,000 grant to the Sections each year. An additional \$50,000 US is available for the Ambassador Program providing an opportunity for internationally recognized experts to speak at existing regional neurological meetings. The Visiting Professor Program, supported at \$21,000 US per year, continues as a popular source of educational course funding in regions not adequately served by local resources. Affiliate Member groups are also eligible to apply for local meeting support from an allocation of \$30,000 US. MDS continues to provide a total of \$100,000 US to support new and novel scientific meetings. Typically the amount awarded to each successful proposal is of the order of \$10-20,000 US. To learn more about these programs and how to apply for funding please visit the Web pages at [www.movementdisorders.org](http://www.movementdisorders.org).

### MD Journal Now Ranks 21 out of 147 Clinical Neurology Titles

It is impressive to note that our journal now ranks 21 out of 147 Clinical Neurology titles. The 2008 Impact Factor information is now released and I am pleased to report good growth for the Movement Disorders journal. Our Impact Factor is 3.898 for 2008, versus the 2007 figure of 3.207 (an increase of more than 20%). Congratulations to Günther Deuschl and Christopher Goetz for keeping our journal vibrant, dynamic and responsive to the needs and interest of its readership.



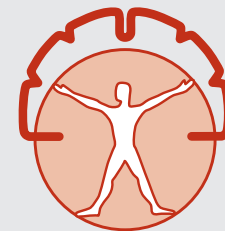
*Dr. Anthony Lang passes the gavel to Prof. Philip Thompson who is taking over as MDS President for the 2009-2011 term.*

### New Journal Editors Announced

At the end of 2009, our journal editors will be stepping down after successfully guiding the journal for many years. To fill these key positions, a call for nominations was sent to the membership and interested candidates were asked to submit vision statements. The Search Committee reviewed many applications and narrowed the list of candidates to four. These final candidates were interviewed at the International Congress in Paris and C. Warren Olanow and José Obeso were selected to take over as the journal editors in 2010. We wish them success as they take on their new role.

### 13<sup>th</sup> Congress in Paris, France a Success

The 13<sup>th</sup> International Congress of Parkinson's Disease and Movement Disorders in Paris, France, June 7-11, 2009 was a phenomenal success attended by over five thousand enthusiastic delegates. Due to the increased interest in the Congress this year, MDS increased the number of travel grants it provided to help young neurologists attend the meeting (\$100,000 US in grants was provided). In addition to the exceptionally high quality program, put together under the direction of Serge Przedborski, the meeting was notable for its guided poster tours, Video Olympics and history exhibit. I would like to thank and congratulate the Congress Scientific Program Committee, Local Organizing Committee and International Congress Oversight Committee. Thank you to all the members and attendees who submitted session ideas for the 14<sup>th</sup> Congress in Buenos Aires. Christopher Goetz, Oscar Gershanik and the CSPPC have carefully reviewed all suggestions from the



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## 13<sup>th</sup> International Congress Reports Record Attendance Numbers

The *Movement Disorder Society* (MDS) held the 13<sup>th</sup> International Congress of Parkinson's Disease and Movement Disorders in Paris, France, June 7-11, 2009. The allure of this amazing city filled with iconic landmarks, vibrant nightlife and delectable dining, did not stop delegates from gathering together at Le Palais des Congrès de Paris to learn about the latest research and perspectives, to share knowledge with each other and to actively participate in advancing the field of Movement Disorders. This exceedingly popular 13<sup>th</sup> International Congress proved to be a meeting never to forget.



*Delegates take a break from their busy day in the sessions to view the posters that were displayed in the Poster Area each day.*

With 5,000 attendees including delegates, press and exhibitors, the Paris International Congress surpassed last year's Chicago International Congress by 1,350 registrations making it the highest attended meeting in the history of MDS! Everyone's participation made for some unforgettable highlights during the week:

- 90 countries represented
- 100 Travel Grants awarded
- 172 faculty members participated in the Scientific Sessions
- 1,714 posters and 21 late-breaking posters accepted
- 6 Plenary Sessions
- 8 Teaching Courses
- 19 Parallel Sessions
- 20 Video Sessions and Skills Workshops
- 12 Guided Poster Tours
- 27 companies exhibited
- 50 representatives from the press attended, resulting in 220 media placements

Under the direction of Serge Przedborski, the Congress Scientific Program Committee (CSPC) made every effort to make sure that the science for the 13<sup>th</sup> International Congress was of the utmost quality. The 2009 Scientific Program incorporated Therapeutic Plenary Sessions, Corporate Therapeutic Symposia, Plenary and Parallel Sessions, Teaching Courses, Video Sessions, Skills Workshops, Controversies, Poster Sessions and Guided Poster Tours. For the first time, the CSPC selected a group of sessions on a specific theme allowing participants of the MDS International Congress to have



*Delegates fill the main amphitheatre to intently listen to one of the many sessions that were held as part of the 2009 Scientific Program.*

an educational and comprehensive overview on a subject of broad interest to our community. For this meeting, the selected topic was "Anatomy, physiology and pathology of the basal ganglia." At the end of this meeting, participants were able to have a more complete understanding of the basal ganglia function.

To claim CME credit for your participation in the MDS 13<sup>th</sup> International Congress, please visit [www.movementdisorders.org/congress/congress09/cme](http://www.movementdisorders.org/congress/congress09/cme) and complete the on-screen instructions. CME credit is also available through the UK Royal College of Physicians and the European Accreditation Council for Continuing Medical Education. Please use event code: 2732. The Teaching Course Syllabi from the 13<sup>th</sup> International Congress have been added to the Web site as a member benefit.

For the last time during his MDS presidency, President Anthony Lang distributed the President's Distinguished Service Award to Serge Przedborski, as well as Honorary Membership Awards to Yoshikuni Mizuno and Ira Shoulson, during the Opening Ceremony.

Due to the changing environment of the CME industry, Dr. Lang took the opportunity to acknowledge the stellar work of Ronald Pfeiffer as the Chair of the CME Committee. Several other awards were given out during the course of the 13<sup>th</sup> International Congress. Christopher Goetz received the Stanley Fahn Award and Richard Morimoto received the C. David Marsden Award. Helen Ling received the Junior Award in the Clinical Research category and Carlos Juri received the Junior Award in the Basic Science category. Additionally, 100 Travel Grants were distributed. Please see page 6 for more information on these awards.

This year marked the transition of the MDS leadership. A new slate of Officers, International Executive Committee Members and Regional Section leadership took over for the 2009-2011 year at the MDS Business Meeting. The gavel was passed from Anthony Lang to Philip Thompson who took over the presidency and will lead MDS from his home office in Adelaide, Australia. We would like to thank Dr. Lang for all of his hard work and commitment to the MDS mission over the past two years as President and we look forward to

### 13<sup>th</sup> International Congress Reports Record Attendance Numbers

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working with Prof. Thompson as MDS continues to grow. MDS is also pleased to announce that the new *Movement Disorders Journal* Editors are C. Warren Olanow, from the Western hemisphere, and José Obeso, from the Eastern Hemisphere. For more information, please see the President's letter on page 3.



*The Presidents of The Movement Disorder Society. Top row from left to right: Andrew Lees, Werner Poewe, Mark Hallet, Philip Thompson. Bottom row from left to right: Anthony Lang, Eduardo Tolosa, C. Warren Olanow, Joseph Jankovic, Stanley Fahn.*

Over 1,000 delegates gathered to watch unique Movement Disorder cases on the evening of Wednesday, June 10 during the 2<sup>nd</sup> Annual Video Olympics. The cases presented were selected from a large number of submissions by an international panel of reviewers. Led by the Masters of Ceremony Anthony Lang and Kapil Sethi, the Panel of Experts engaged the audience by guiding them through the thought process of diagnosing challenging cases. The senior experts were as follows:

Kailash Bhatia, *London, United Kingdom*  
 Susan Bressman, *New York, NY, USA*  
 Oscar Gershanik, *Buenos Aires, Argentina*  
 Andrew Lees, *London, United Kingdom*

The 12 cases that were presented came from Movement Disorder Centers around the world which offered an enjoyable spirit of competition to this event. The Gold medal was awarded to Westmead Hospital in Australia (presented by Samuel Kim; siblings with PARK9 (Kufor-Rakeb disease)) and the Silver medal was awarded to The Movement Disorder Society of Japan (presented by Satoshi Kono; a patient with Aceruloplasminemia). Other institutions represented in the presentations were: Hospital de Jolimont (Belgium), Movement Disorders Group of the Argentine Neurological Society (Argentina), Chulalongkorn Comprehensive Movement Disorders Center (Thailand), Tunisian Study Group on Movement Disorders (Tunisia), The Hospital for Sick Children (Canada), Prasat Neurological Institute (Thailand), Rush University (Chicago, USA), Australian Neuromuscular Research Institute (Australia), and Hôpitaux de Lyon (France).

The *Movement Disorder Society* would like to thank all of the institutions and national Movement Disorder groups who submitted a Letter of Intent at the start of this process and would especially like to thank those who were selected to present their case during the Video Olympics. Many thanks to Joesph Jankovic, Werner Poewe, Niall Quinn, Philip Thompson, Eduardo Tolosa, Anthony Lang and Kapil Sethi for reviewing the Letters of Intent and submitted cases and for choosing the final cases for presentation. Please watch the Web site for more information about upcoming deadlines if you are interested in participating in the 3<sup>rd</sup> Annual Video Olympics to be held in Buenos Aires on June 16, 2010.



*Participants of the Second Annual Video Olympics: Presenters, Panel of Experts and the Masters of Ceremony.*

The *Movement Disorder Society* would like to extend their gratitude to faculty, supporters, exhibitors and delegates for coming to Paris and for helping make the 13<sup>th</sup> International Congress of Parkinson's Disease and Movement Disorders a truly unforgettable meeting.

Mark your calendars! MDS is already planning for the 14<sup>th</sup> International Congress in Buenos Aires, Argentina on June 13-17, 2010. Please visit our Web site for current details regarding this Congress at [www.movementdisorders.org/congress/congress10/](http://www.movementdisorders.org/congress/congress10/) or contact the International Secretariat at [congress@movementdisorders.org](mailto:congress@movementdisorders.org) with any questions.



**Buenos Aires**  
 ARGENTINA June 13-17  
**2010**



## 2009 MDS Awards Announced

During the 13<sup>th</sup> International Congress of Parkinson's Disease and Movement Disorders, June 7-11, 2009 in Paris, the Society was proud to honor the following 2009 MDS award recipients:

### President's Distinguished Service Award

*The President's Distinguished Service Award is given in recognition of long and distinguished service to The Movement Disorder Society (MDS).*

#### 2009 Recipient

Serge Przedborski  
New York, NY, USA

Previous recipients of the President's Distinguished Service Award include Cynthia Comella (2008), C. Warren Olanow (2007), Eduardo Tolosa (2006), Stanley Fahn (2005), and Mark Hallett (2004).

### Honorary Member Award

*The Honorary Member Award recognizes individuals who have made extraordinary contributions to the field of Movement Disorders or otherwise to The Movement Disorder Society.*

#### 2009 Recipients

Yoshikuni Mizuno  
Tokyo, Japan

Ira Shoulson  
Rochester, NY, USA

Previous recipients of the Honorary Member Award (formerly the Career Award) include Alim Benabid (2008), Mahlon DeLong (2008), Eldad Melamed (2007), Ali H. Rajput (2007), Niall Quinn (2006), Patrick McGeer (2006), Peter Jenner (2005), Thomas Chase (2005), Roger C. Duvoisin (2004), Hiroshi Shibasaki (2004), Yves Agid (2004), Stanley Fahn (2002), Oleh Hornykiewicz (2002) and Gerald Stern (2002).

### Junior Award

*Two Junior Award recipients were selected based on their significant contribution to clinical and basic science research in the field of Movement Disorders. One award was presented for excellence in clinical research, and another for excellence in basic science research.*

#### 2009 Recipients

Helen Ling, Clinical Research  
London, United Kingdom

Carlos Juri, Basic Science Research  
Pamplona, Spain

Previous recipients of the Junior Award include Luke Massey (Clinical 2008), Binith Cheeran (Basic Science 2008), Christine Daniels (Clinical 2007), Myriam Khondiker (Basic Science 2007), Andre Troiano (Clinical 2006), Akiko Imamura (Basic Science 2006), Peter Novak (Clinical 2005), Nutan Sharma (Basic Science 2005), David Williams (Clinical 2004), Pedro Gonzalez-Alegre (Basic Science 2004), Sylvie Raoul (Clinical 2002) and Jan Raethjen (Basic Science 2002).

### Travel Grants

*MDS Travel Grants are offered annually in partial support of International Congress delegates in financial need to facilitate their travel to and participation in the International Congress of Parkinson's Disease and Movement Disorders; 100 Travel Grants were awarded in 2009.*

#### 2009 Recipients

Annu Aggarwal, Australia  
Roy Alcalay, USA

Phalguni Alladi, India  
Erika Augustine, USA  
Ruksana Azhu Valappil, USA  
Sheila Baez-Torres, USA

Brandon Barton, USA  
Cynthia Bedeschi Ferrari, Brazil  
Magdalena Boczarska-Jedynak,  
Poland

Marilyn Borromeo-Wesner, USA  
Tamine Capato, Brazil  
Victoria Chang, USA  
Daniel Ciampi De Andrade, Brazil  
Jacqueline Cristini, USA  
Andres Deik, USA  
Nancy Diaz, USA

Francisco J. Diaz-Corrales, Spain  
Burcu Dursun, Turkey  
Behzad Elahi, Canada  
Michael Eller, Australia  
Cordelia Erickson-Davis, USA  
Mary Feldman, USA  
Andre Felicio, Brazil  
Ondrej Fiala, Czech Republic  
Thomas Foki, Austria  
Marie-Pierre Fournier-Gosselin,  
Canada

Brook Galna, Australia  
Hardeep Gambhir, India  
Mohan Ganesan, India  
Rose Gelineau-Kattner, USA  
Brooke Gerton, USA  
Sara Gombash, USA  
Jifeng Guo, China  
Elizabeth Haberfeld, USA  
Priya Jagota, Thailand  
Sriranjini Jaideep, India  
Samay Jain, USA  
Thomas Joseph, India  
Thomas Jubault, Canada  
Michael Kalaitzakis, United  
Kingdom

Samantha Kerr, South Africa  
Norbert Kovacs, Hungary  
Ramon Kruschewsky, Brazil  
Stephen Ku, USA  
Hrishikesh Kumar, Canada  
Rima Kumari, India  
Jee-Young Lee, South Korea  
Jongil Lim, USA  
Wey-Yil Lin, Taipei

Chin-Hsien Lin, Taipei  
Katja Lohmann, Germany  
Praween Lolekha, Thailand  
Bram Meeus, Belgium

Prachi Mehta, Australia  
Marcello Moccia, Italy  
Faruq Mohammed, India  
Inder Singh Mudila, India  
Martin Nevry, Czech Republic  
Khuen Yen Ng, Australia  
Gisele Oliveira, Brazil  
Jennifer O'Malley, USA

Fernando Padovan-Neto, Brazil  
Toni Pearson, USA  
Amie Peterson, USA  
Rizaldy Pinzon, Indonesia  
Emily Plowman-Prine, USA

Marios Politis, United Kingdom  
Murtuza Hussain Qureshi, India  
Mayela Rodriguez, Mexico  
Michael Rotstein, USA  
Lindsay Rubenstein, USA  
Jason Rupp, USA

Mariano Saborido, Argentina  
Taeko Sasai, Japan  
Rodolfo Savica, USA  
Katharina Schnopfhagen, Austria  
Cordelia Schwarz, USA  
Katherine Schweitzer, USA  
Marianna Selikhova, United  
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Mariana Spitz, Brazil  
Vimal Stanislaus, Australia  
Diederick Stoffers, USA  
Roy Strowd, USA  
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Emma Thornton, Australia  
Michelle Troche, USA  
Giorgia Tropini, Canada  
Bayasgalan Tserensodnom, Mongolia  
Travis Turner, USA  
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Toby Yaltheo, US

The Edward I. Rudman  
Parkinson's Disease Patient  
and Caregiver Symposium

## NONMOTOR ASPECTS OF PARKINSON'S DISEASE

Parkinson's Disease & Movement Disorders Center  
Department of Neurology  
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## MDS interacts with Congress attendees via Web site

—Hubert H. Fernandez, MD, Gainesville, Florida and Marcelo Merello, MD, PhD, Buenos Aires, Argentina, MDS Co-Web Site Medical Editors

The MDS Web site made a big splash at the 13<sup>th</sup> International Congress of Parkinson's Disease and Movement Disorders in Paris.

With approximately 5,000 participants attending the five-day Congress, there were plenty of opportunities for members and non-members alike to interact online, as well as in person. Whether you wanted to read the Final Program, become a member of The *Movement* Disorder Society, contact a colleague, join the MDS group on Facebook®, or learn about next year's Congress in Buenos Aires – whatever your need, the Web site served as a ready resource during the Congress.

As an added convenience for attendees, an Internet café was set up near the Exhibit Hall. Twelve computers with free WiFi access were available for use throughout each day of Congress.

In between sessions, attendees viewed a Power Point slide of the Web site, highlighting such popular features as Case of the Month, Quick Opinion Please, Editor's Choice Article, Education Portal and the Video Library.

On each day of the Congress, those who turned in a Web site survey that had been included in registration bags were entered into a raffle to win either a 3 GB flash drive, iPod Shuffle or iPod nano. We received more than 200 surveys, which will help us deliver more of what you want in a Web site.

The lucky winners were: Pierre de Flon, Sweden; Dilek Gunal, Turkey; Meltem Demirkiran, Turkey; and Tarja Suomalainen, Finland.

Finally, anyone who stopped by the MDS booth in Hall Maillot was able to view a 3-minute video highlighting the Web site home page. In case you missed it, the video is also posted on the MDS group page on Facebook® as well as on YouTube. (Search "Movement Disorders")

Visit [www.movementdisorders.org](http://www.movementdisorders.org) today to learn more about The *Movement* Disorder Society!



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- may reach pre-motor stages of PD, the value of TCS alone in predicting the occurrence of PD will be limited.
- Third, TCS findings do not represent a correlate of the progressive nigrostriatal neurodegeneration.<sup>7</sup> Consequently, TCS can not be used for the definition of a certain (e.g. the pre-motor) stage of PD.
  - Fourth, SN hyperechogenicity is a frequent finding not only in PD but also in some other neurodegenerative diseases such as corticobasal degeneration.<sup>8</sup> In these entities, it is unclear yet at which time point in the disease course the TCS abnormality emerges. If SN hyperechogenicity in these disorders is present already at presymptomatic stages this might contribute to a lower diagnostic specificity.

Based on the current evidence it appears reasonable to consider the TCS finding of SN hyperechogenicity only as a risk marker for nigrostriatal vulnerability.<sup>9</sup> It needs to be elucidated in further studies which co-factors cause the individual accession to the pre-motor (and motor) phase of PD in subjects with SN hyperechogenicity.

Nevertheless, for the detection of the pre-motor phase of PD, TCS might be useful in a stepwise approach, applying TCS primarily as a screening tool in epidemiologically defined populations at risk.<sup>10</sup> Further diagnostic steps of such an approach may include clinical, genetic, biochemical and other neuroimaging investigations. Consequently, several longitudinal TCS studies have been initiated since 2004 to assess the value of SN hyperechogenicity in combination with other TCS, clinical and neuroimaging findings in predicting an individual high risk of PD.

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(YES) Continued from Cover

- (iii) more often and more severe extrapyramidal features following administration of neuroleptics<sup>9</sup>,
- (iv) unilateral motor slowing when performing demanding motor tasks<sup>10</sup>,
- (v) more often premotor symptoms, like
  - a. olfactory dysfunction<sup>7</sup>,
  - b. depression<sup>11</sup>,
  - c. specific neuropsychological deficits like visuospatial processing and sequential planning, known to be primarily affected in PD<sup>12</sup>,
  - d. RBD<sup>13</sup>

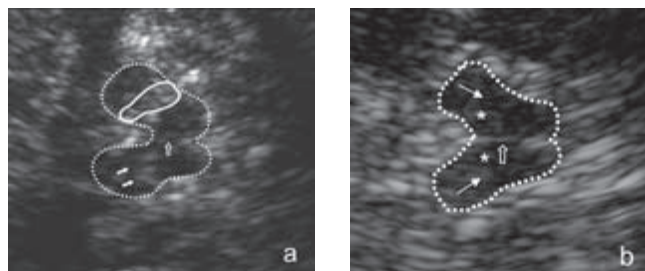
than healthy subjects without this ultrasound signal.

Moreover asymptomatic mutation carriers for monogenetically caused PD reveal SN hyperechogenicity, in some instances even prior to detectable deficits in PET-examinations<sup>14</sup>.

However, the most striking argument of a relevance of SN hyperechogenicity in healthy subjects can be derived from the observation that since beginning of the examination technique at least 14 initially healthy subjects with SN hyperechogenicity have been observed to develop PD in follow up investigations by the authors (unpublished data).

In spite of these functional relations it is still not clear whether SN hyperechogenicity can be used as a biomarker for a predisposition to PD. This question and the question whether a subgroup of subjects with additional premotor markers could be confined to a subgroup at special risk for PD are currently being investigated in large longitudinal studies.

There are limitations to the method like an insufficient bone window in about 10% of elderly subjects<sup>3</sup>. Also, the method requires some experience to delineate brain structures, similar to the expertise required for the interpretation of the results of other neuroimaging techniques. Still, if also the longitudinal studies confirm that TCS contributes to the premotor diagnosis of PD, this method could serve as an excellent screening tool due to its broad availability, short duration of investigation, possible application even in agitated subjects and low costs.



Visualisation of the brainstem with transcranial sonography (TCS) (a) with in the hypoechogenic butterfly-shaped mesencephalic brainstem encircled by dotted lines, an enlarged area of hyperechogenicity (line ipsilateral)



(YES) Continued from page 8

*to the probe, white arrows contralateral side) at the anatomical site of the SN can be visualized in PD patients. In the vast majority of controls (b) only small dots of hyperechogenicity are visible at this site (white arrows). † midline raphe, (\*) red nucleus.*

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President's Letter Continued from page 3

membership and incorporated these in a preliminary program that will be available in the near future.

#### Society to Undergo Strategic Planning

Every three years the Society embarks on a strategic planning process to identify priorities for the Society in the coming years. The next such planning process began in September 2009 and the 2010-2013 iteration of the MDS Strategic Plan is now being finalized. At the same time, the Education Committee met to determine the future global direction of the Society's rapidly expanding educational programming. Representatives from Committees, Sections, IEC, Past Presidents, the journal and the Web site convened to discuss the future goals and objectives of MDS. The topics considered included:

- Sources of revenue (annual meetings, educational material, courses, CME, enduring materials, Website advertising, contingency plans if industry funding decreases).
- Funding of educational courses
- Congress Corporate Therapeutic Session guidelines (format, speaker guidelines)
- Oversight of Regional Sections
- Increasing involvement of Scientific Issues Committee
- Web site (target audience; use of Facebook and other social media)
- Review of Committee and Task Force structure
- Voting at elections
- Journal structure

As you can see, the scope of our Society has increased significantly over the past years. To help offset some of the expenses the key leaders incur as a result of their positions, stipends are provided for a few of the positions. The Officers and IEC review this carefully to ensure the stipends are consistent with that provided to leaders of comparable organizations. Compensation to key leaders (President, Education Committee Chair, Section Chairs, Web Editors, Congress Scientific Program Committee Chair) currently amounts to a total of \$103,000 US (or 1.7% of total MDS revenue, in comparison to 5.1% total revenue for leaders of comparable societies).

As you know, the success of our Society depends heavily on the dedication and diligence of its members and leaders. I look forward to serving as your President and welcome your insights and suggestions over the next two years to further develop and improve our thriving Society.



Philip Thompson, MB, BS, PhD, FRACP  
MDS President 2009 – 2011



Dear Colleagues,

It is pleasant to look back over my two and a half years as Chairman of the European section and to reflect on what the European Section Executive Committee achieved during that time.

Our relationship with the European Federation of Neurological Societies continued to thrive, and I had the privilege, in my capacity as Chair of MDS-ES, to chair the EFNS/MDS-ES Scientist Panel on Parkinson's disease and other movement disorders. In addition to our development of the Movement Disorders education program during the annual EFNS Congresses, we had the opportunity to develop European recommendations on the management of Parkinson's disease for publication in the European Journal of Neurology (Horstink et al., 2006 a,b) and we are now updating these recommendations for republication in 2009. MDS does not publish guidelines, because they cannot be universally applicable, so this was an activity that the relationship with EFNS enabled us to achieve on behalf of our members in Europe. Another activity that would not have fallen to MDS-ES alone was the opportunity to contribute to the database of questions for the European Board of Neurology examinations, and Dr. Mario Miguel Rosa from Lisbon did a marvellous job co-ordinating the contributions of Panel members.

I very much enjoyed the opportunity to participate in the MDS Visiting Professor Program in Yerevan, Armenia, with Evzen Ruzicka. This visit was unforgettable in respect to hospitality, evolving friendship, and most importantly because of the insight into the educational and financial needs of our colleagues in Armenia. It is especially pleasing that MDS-ES has been invited to re-visit the group in Yerevan this year, by providing the faculty for the Movement Disorders day at the EFNS Regional Teaching Course in Yerevan in October 2009. I would like to thank Glaxo SmithKline and UCB who are supporting the costs of travel for our faculty. We have also been invited to provide faculty for the EFNS Odessa Regional Teaching Course in April 2010, where Alfredo Berardelli, Mark Edwards and myself will represent MDS-ES as Invited Lecturers.

With Alfredo Berardelli's approval I will complete three projects that were started during my Chairmanship of the PD Panel. The first project, already mentioned, will be the update of the European recommendations for management of PD. The second project the

Section will address is the question of whether criteria can or should be established for recognition of PD Centres in Europe. The results of the project will appear in a manuscript that will be submitted as a *Movement Disorders* Journal viewpoint article. The third project will be planning a document on the availability of PD drugs in Europe that will explain which therapies are available and reimbursable in Europe, and also list generic and trade names. The document will be put on a restricted access area of the MDS Web site and the EFNS Panel restricted access Web area, so that national representatives can add information for their countries. A list of countries in Europe which have PD guidelines has been created following a survey of the EFNS/MDS-ES PD Scientist Panel members, and those that are available in hard copy will be compared to see what areas are common to all guidelines.

As the highlight of my term I personally consider the realisation of the "Movement Disorders-European Summer School for Young Neurologists" which Niall Quinn, one of the most enthusiastic clinicians of our time, and I directed in Marburg in July 2008. Forty-Eight young neurologists from all over Europe (including Iran and Syria) examined 20 patients with a variety of Movement Disorders under the tutelage of 12 international specialists. This was a vision I had entertained for some time, and to see it come to fruition, and to be so well received by our next generation of experts, was a tremendous pleasure and vindication of a lot of hard work by the staff of MDS, my own team and the officers and ESEC-members of MDS-ES. This MDS-ES-Summer School was repeated in Marburg in July 2009 – and from then on will most likely rotate through Europe as one of our established educational activities.

I thank the constituency of MDS-ES for allowing me to serve them for the last 2 and a half year; my sincere "thank you" goes to my fellow officers for their unrestricted and constructive support and last but not least, the deepest gratitude goes to Karen Henley, the soul of MDS-ES, as without her support none of the above described activities would have come to realisation.

I look forward to remaining on the European Section Executive Committee and working with the new team to continue to enhance the role of MDS in Europe.

Wolfgang Oertel, MD  
Past-Chair, MDS-ES



Dear Colleagues,

I am greatly honoured to be Chairman of the MDS European Section for the term 2009-2011. I look forward enthusiastically to building on the current activities and success of the Section, and, through serving MDS members in Europe, to increasing the profile of The *Movement* Disorder Society

throughout our region.

I am fortunate to have an excellent European Section Executive Committee in place to support my Chairmanship. We will benefit from the experience of those ESEC members who continue into this term of office – Wolfgang Oertel, whose past work as Chairman it gives me great pleasure to acknowledge; Gregor Wenning and Anette Schrag, who are now, respectively, our Secretary and Treasurer, and ESEC members David Burn, Joaquim Ferreira, Regina Katzenschlager and Jaime Kulisevsky. We anticipate the active contribution of our new members, Werner Poewe, who as Chair-Elect brings considerable experience of the MDS since its inception; Marie Vidailhet as Secretary-Elect, and Evzen Ruzicka who has moved into the role of Treasurer-Elect. Joining the ESEC are new members Bastiaan Bloem (The Netherlands), Andrzej Friedman (Poland), Vladimir Kostic (Serbia) and Pille Taba (Estonia).

Education is a prime activity for the Section, and we are starting to explore ways to establish working contacts with national Movement Disorders groups, and to support their local educational activities. Our new European Education Committee is chaired by Joaquim Ferreira, and working with him on the Committee will be Alfredo Berardelli, Kailash Bhatia, Philippe Damier, Wolfgang Oertel, Werner Poewe, Evzen Ruzicka, Martin Rabey, Mario Miguel Rosa Claudia Trenkwalder and Marie Vidailhet. This group will explore opportunities to reach our members in the Southern Mediterranean/ North African countries, as well as progressing further our aim of

supporting education for physicians in Eastern Europe. We want to be guided by the needs of our members, so if you see a need for local or regional Movement Disorders education that would be enhanced by the support of the MDS European Section, then please let us know! Resources are available to members through the MDS-ES Education Fund for Underserved Areas in Europe, the MDS Visiting Professor Program and the MDS Ambassador Program. To take advantage of any of these educational activities, please visit [www.movementdisorders.org/regional\\_sections/es/](http://www.movementdisorders.org/regional_sections/es/) for more information and program application forms.

One aim of my Chairmanship is to expand the number of MDS members in all countries in Europe, particularly where there are currently few or no members, and the new ESEC is already considering how to promote the benefits of membership and to recruit new members. I believe our educational activities will play a major role in promoting the Society, because they will speak for themselves in terms of quality and value to the practising clinician.

Our successful working relationship with the European Federation of Neurological Societies is one of the major achievements of our Section, and we will work to strengthen and enhance this collaboration over the next two years. We will continue to look into ways to implement mutually helpful collaborations with other European Societies, both in neurology and the other medical specialties who manage patients with Movement Disorders.

So, we have a very full, but a very enjoyable agenda to occupy the next two years!

*Alfredo Berardelli*

Alfredo Berardelli, MD  
Chairman, MDS-ES

## DOPAMINE TRANSPORTER IMAGING IN NEUROLOGICAL PRACTICE

November 20, 2009 - Prague, Czech Republic • Charles University Movement Disorders Center

### Registration Fees (in US dollars)

Junior Registrant – \$50.00  
MDS Member – \$100.00  
Non-Member – \$150.00

### Course Description

This workshop is intended to introduce participants to the potential of dopamine transporter single photon emission computed tomography (SPECT) imaging in neurological practice and help to answer some of the questions posed by clinicians, researchers, managers, and patients about the appropriate use of dopamine transporter imaging.

### Registration Process and Rates

For more information or to apply for a Travel Grant, get reduced hotel rates, or to register please contact Catherine Breckenridge at [cbreckenridge@movementdisorders.org](mailto:cbreckenridge@movementdisorders.org). Registration is also available on-line at [www.movementdisorders.org/education/dti/prague](http://www.movementdisorders.org/education/dti/prague).

Travel Grants Available (up to 500 €)  
Reduced Hotel Rates Available

Supported in part by an unrestricted educational grant from GE healthcare

GE Healthcare





## 2009 MDS-ES Summer School for Young Neurologists

The second MDS-ES Summer School for Young Neurologists was held July 10-12, 2009 in Marburg, Germany. Course Directors Wolfgang Oertel and Niall Quinn led 11 additional faculty and 47 participants from 20 countries through an interactive three-day course. The Summer School began on Friday with a half-day of “Ten Minute Topics,” presented by expert faculty from throughout Europe. Participants were presented with a basic overview of the epidemiology and phenomenology of a wide range of Movement Disorder cases.

*“In my opinion [Summer School] contributes to the springboard from a specialty (Neurology) to the subspecialty of Movement Disorders. Such springboards are rare opportunities in an area of fast development where knowledge has to be acquired while you are both trying to accumulate clinical experience in general neurology as well as crystallizing the future into a subspecialty.”*

— Migena Papingji, Bergen, Norway, 2009 Summer School participant

On Saturday, participants had the opportunity to examine 20 Movement Disorder patients under the supervision of one of the 13 faculty members. Small groups of participants rotated among 12 examination rooms. Participants had the opportunity to ask questions of each patient’s case history, perform clinical examinations to determine the diagnosis unknown to them and discuss treatment options. The patient volunteers found the Summer School to be beneficial to them as well. A patient with Wilson’s disease noted, *“This event is unbelievable. I have never seen so many doctors interested in my disease. I volunteer to participate in any such events in the years to come.”*

On Saturday afternoon, 32 participants presented their own videos of Movement Disorder patients to their peers and faculty. Faculty then selected six participants to present their videos on Sunday. Saturday concluded with a Video Dinner, in which Niall Quinn, Angelo Antonini, Evzen Ruzicka and Bastiaan Bloem shared their most unusual cases with the participants, describing the importance of certain characteristics and clues in diagnosing Movement Disorder patients.

*“I thought the course was an excellent learning experience in Movement Disorders, to fit so much patient contact into such a short space of time was brilliant - to get that hands on clinical experience is what makes the course stand out from others.”*

— Karen Doherty, Belfast, United Kingdom, 2009 Summer School Participant

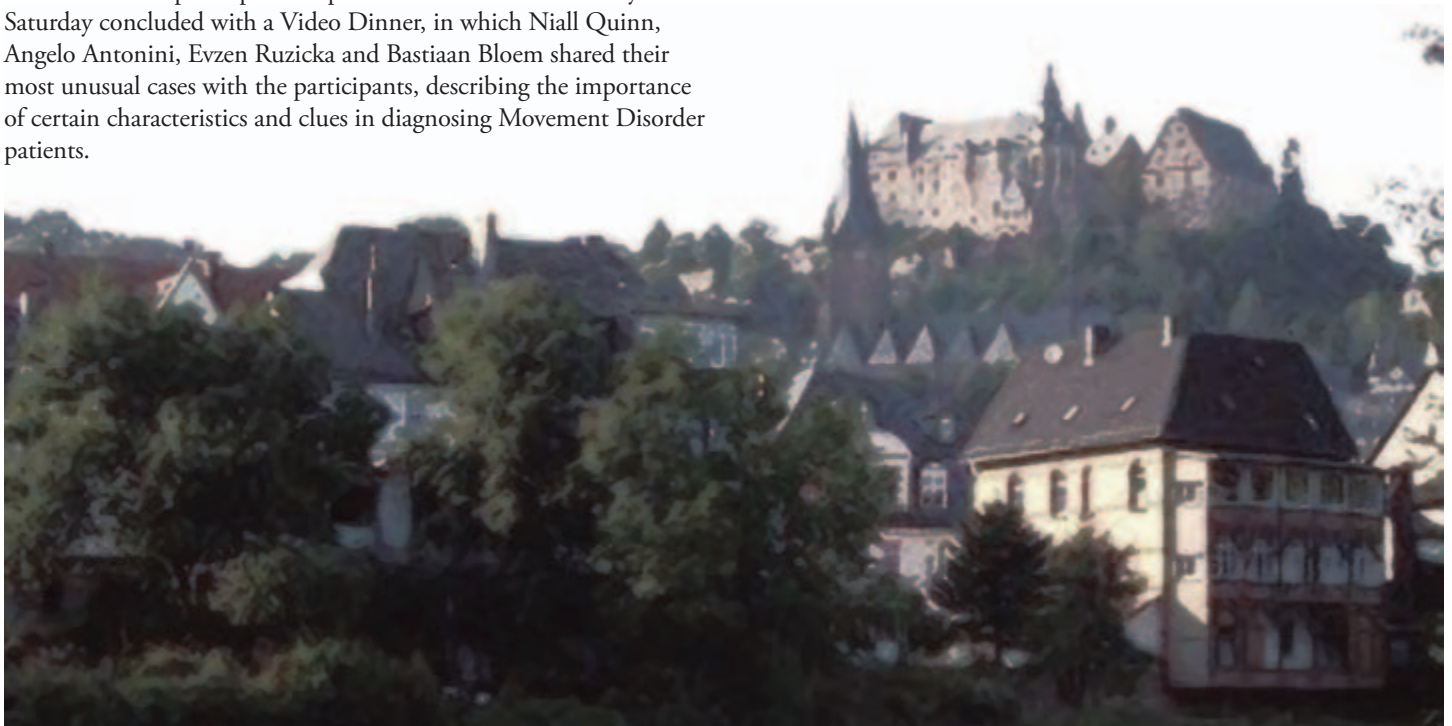
Sunday began with an overview of treatment strategies. Following the lectures, participants had the opportunity to view the top six instructional videos from Saturday and vote for their favorite. The top six videos were presented by Milica Jecmenica Lukic, Serbia; Migena Papingji, Norway; Vladana Spica, Serbia; Anabela Valadas, Portugal; Christian Dresel, Germany; and Grzegorz Chabik, Poland. The top four presenters received complimentary registration to the MDS 14<sup>th</sup> International Congress in Buenos Aires.

*“The course offered me an unique opportunity to learn not only from experienced professionals, but also from my peers.”*

— Tomas Kalincik, Prague, Czech Republic, 2009 Summer School Participant

Prof. Oertel’s team in Marburg provided warm hospitality to the visiting doctors and faculty. His team is to be congratulated for their excellent planning and organization. The faculty and participants were grateful to the patient volunteers for their generous participation and their positive appreciation of the Summer School. Alumni of both the 2008 and 2009 MDS-ES Summer School can look forward to a reunion at the MDS 14<sup>th</sup> International Congress in Buenos Aires.

MDS-ES would like to thank the following sponsors for their generous support: Boehringer Ingelheim, Desitin, Novartis, Roche, Solvay, UCB.



## MDS Remembers Martin Horstink, MD, PhD

—Bastiaan R. Bloem, MD, PhD, University Nijmegen Medical Center, Nijmegen, Netherlands and Karen Henley, MDS Associate Executive Director

It is with great sadness that the European Section reports the death of Dr. Martin Horstink. Martin Horstink was born on December 20, 1940, in the city of Nijmegen. He was married to Noor Simons, and had three children. Martin studied medicine and then completed his neurology training at the Medical Faculty of Nijmegen; he obtained his PhD degree based on a dissertation entitled ‘The cutaneomuscular reflexes’ in 1982 and was promoted to Associate Professor of Neurology in 1987. Martin was the founding father of Movement Disorders as a specialty discipline in Nijmegen, and was one of the most prominent Movement Disorder specialists in the Netherlands. As a clinician, he was widely respected by both his patients and his colleagues. He was also very active scientifically, with over 110 PubMed cited publications. He is perhaps best known for his research on behavioral changes in relation to basal ganglia dysfunction, and

was a pioneer in setting up a prospective database of patients with Parkinson’s disease, based upon straightforward everyday clinical observations. Internationally, he chaired the Scientist Panel for Parkinson’s disease and other Movement Disorders of the European Federation of Neurological Societies (EFNS) until his retirement in 2005, and in this capacity served as an *ex-officio* member of the MDS-European Section. He was lead author of the European reviews on Parkinson’s disease management published by the EFNS and MDS-ES in the European Journal of Neurology in 2006. He was also an enthusiastic member of the task force preparing the revised recommendations for publication in 2010. After his retirement Martin remained an active member of The *Movement* Disorder Society. A man of great generosity and kindness, he will be very much missed by his many friends within the Movement Disorders community.

## Non-Motor Symptoms in Parkinson’s Disease Teaching Course Summary

April 3, 2009, Brasov, Romania

—Cristian Falup-Pecurariu, MD, Department of Neurology, Transilvania University, Brasov, Romania

The Non-motor Symptoms in Parkinson’s disease Teaching Course, organized by The *Movement* Disorder Society, was held in Brasov, Romania on the 3<sup>rd</sup> of April, 2009. This Teaching Course was held in the Aula of Transilvania University and was attended by 253 registered participants. Free registration was provided for residents.

During one busy day, established European experts on Parkinson’s diseases (PD) taught the non-motor aspects of PD. The aims of the course were to describe the non-motor symptoms (NMS) in Parkinson’s disease; explain the tools for evaluation of the NMS in PD; and discuss treatment objectives in NMS in PD.

The Course director was Cristian Falup-Pecurariu from the Department of Neurology, Transilvania University, Brasov, Romania. Faculty were: Amos Korczyn (Tel-Aviv, Israel), Ray Chaudhuri (London, UK), Pablo Martinez-Martin (Madrid, Spain), Joaquim Ferreira (Lisbon, Portugal), Sevasti Bostantjopoulou (Thessaloniki, Greece), Marcus Unger (Marburg, Germany), Lacramioara Perju-Dumbrava (Cluj-Napoca, Romania), Luiza Spiru (Bucharest, Romania).

Lectures covered topics like premotor symptoms in PD, dopaminergic non-motor symptoms and its treatment, fatigue, dementia, depression, pain, dysautonomia and sleep disorders in PD. Other important topics included the impact of the NMS on health-related quality of life, prevalence data of NMS in PD and measuring NMS in PD using NMS questionnaire and scale. The video session with instructive cases was highly appreciated.

Participants received six points from the Romanian College of Physicians for continuing medical education.

On behalf of the local organizing committee I would cordially like to express my gratitude towards the support that The *Movement* Disorder Society provided for this important project and also to the great speakers that provided a wonderful educational day. I would like to thank to Hope Wallace (MDS Program Manager) for the excellent collaboration and dedicated work for the success of this Teaching Course.



Dear Colleagues,

All members of the AOS are aware that during the last MDS meeting in Paris, new Officers and half of the Executive Committee have taken up their new appointments. I wanted to express my sincere thanks to all the membership that has participated in the development of the AOS over the last 2-3 years. I think we should all be proud of the accomplishments that have occurred within the AOS over that period of time and also for establishing the infrastructure and process by which the AOS will continue to develop and to provide education within our region.

I thought that I should, for the purposes of new members of the AOS, outline some of the history behind the development of our section and highlight some of the activities. I originally approached Andrew Lees at the Rome meeting in June 2004 regarding the development of a section of the Asia Pacific Region as most of the educational courses appeared to be focused on North America and Europe. This concept was accepted in principle and as a result in November 2004 a planning committee meeting was arranged at the AOCN meeting in Singapore. The planning committee members consisted of a group of Neurologists that had previously had regular meetings for the Asia Pacific Parkinson association, which had held bi-annual meetings over a period of approximately eight years.

There was unanimous agreement at that meeting that we should proceed with an application for the development of a separate section and a proposal was drafted by the planning committee, which was accepted by MDS in March 2005. The first Officers and Executive Committee meeting was held during the Kyoto Congress in November 2006. Subsequent to the establishment of the Section, the first Asian Oceanian Parkinson's Disease Movement Disorders Congress (AOPMC) was held in October 2007 in Singapore and more recently the second AOPMC was held in February 2009 in New Delhi. An initiative from the outset of the formation of the section was to obtain a survey of the educational needs within the region. We have attempted to obtain information from educational courses, visiting professorship programs and the regional meetings in order to canvas as many delegates as possible. So far we have had 750 completed surveys from a large variety of member countries over a two year period of 2007-2009. It appears that the majority of respondents are senior specialists or consultants, who are involved predominantly in patient care. Approximately 85% are non-members of MDS and approximately 60% have had no formal training in Movement Disorders. Of the consultants that have had training in Movement Disorders, most have had this training in their country of practice (80%) and the training has been of less than two years. Most have access to the internet suggesting that this may be a forum by which communication can occur across the region.

The AOS Education Committee was formulated and a number of educational courses have been performed over a two-year period and these have been quite successful. The first course was in March 2008 in Varanasi, India, the second occurred in June 2008 in Nanchang City, China, and the third occurred in January 2009 in Bandung, Indonesia with a day program taking place in Kuala Lumpur, Malaysia in April 2009 as part of a regional neurology meeting. A further course took place in Ho Chi Minh City, Viet Nam in May 2009. Overall the total number of delegates that have attended these educational courses was 585 and although the requested costs were US\$44,000, the actual costs of running these courses was only US\$15,000. The cost per delegate therefore through our regional courses is approximately US\$25. You should all agree that this is very economical education.

There have also been a number of Visiting Professorship Programs which have occurred over this 2 year period. Initially, New Delhi, India in November 2007, followed by Shanghai, China in March 2008, and more recently in March 2009 there was Visiting Professor Program to Beijing, Shanghai and Bangkok. The total number of delegates that attended has been 826 and of the latter meeting in China and Thailand the delegate number increased through teleconferencing facilities video linked to nine provinces and 104 hospitals.

The regional meetings in Singapore and New Delhi attracted a total of 1300 delegates and it is very pleasing to say that both of these have produced substantial profits for the AOS.

Overall, as you can see we have been extremely successful in a short period of time. We should all be proud of the progress we have made and I think we should continue to support the officers and the executive committee in our endeavour to improve education across the Asia and Oceania region.

I need to emphasise to you all that the AOS exists for you and that we need you to speak to any of us regarding your needs, you regional needs and any educational or other ideas you may wish to address. Please contact the AOS Officers or Executive Committee members with your suggestions. I wish all the new Officers and Executive Committee members the best wishes in continuing this very important task.

Robert Iansek, PhD, FRACP  
Past-Chairman, MDS-AOS





In the various regions of Asia and Oceania, there are large differences in the provision of services for Movement Disorder patients and care givers. In several areas there are very few Movement Disorder specialists, and therefore the service is largely provided by the general neurologists and, in some regions, by internists. The Asian and Oceanian Section (AOS) of The *Movement Disorder Society* was established in 2005 and has proved to be a boon for this region as already in the short period of its existence, a notable improvement in Movement Disorder services has been observed. I have to thank my predecessors, Philip Thompson (Chairman 2005-2006) and Robert Iansek (Chairman 2007-2008) and their teams who have worked tirelessly to make this possible.

Two very successful Asian and Oceanian Parkinson's Disease and Movement Disorders Congress (AOPMC) meetings have been held so far. The first was in Singapore in October 2007 and the second was held in New Delhi in February 2009. The large number of general neurologists and other health professionals, besides the Movement Disorder specialists who attended these meetings, was clear evidence of the growing popularity of the Movement Disorder specialty in this part of the world. Earnest preparations are already under way for the third AOPMC meeting which will be held in Taipei from 25<sup>th</sup> -27<sup>th</sup> March 2011. Prof. Ruey-Meei Wu and her team are working hard to put up an impressive academic program. With the excellent conference facilities, a dedicated team and a



*Prof. Yoshikuni Mizuno with faculty members of the PD & Restless Legs symposium in the restaurant garden.*

growing regional interest in Movement Disorders, I am sure that this conference will improve on the success of the two earlier meetings and that we shall see even greater audience participation this time.

One of the highlights of the Movement Disorders programs in the Asian and Oceanian region is the Asian Scientific Symposium on Parkinson's disease and Restless Legs Syndrome organized by Prof. Yoshikuni Mizuno in Japan. It is an educational program with invited lectures and keen discussions. It is very well attended by neurologists, not only from Japan but from other neighboring regions as well. I had the pleasure of attending the last symposium which was recently held in Tokyo on 4<sup>th</sup>-5<sup>th</sup> July 2009. It was attended by 533 participants which included 462 from Japan and 71 from 18 other countries.

An important activity of the MDS-AOS is the development of educational programs in various regions of Asia and Oceania. I would like to place on record the commendable work done by the AOS Education Committee headed by Shu-Leong Ho and Louis Tan. In 2008, successful educational courses were held in Nanchang (China) and Varanasi (India), and in 2009 in Bandung (Indonesia), Kuala Lumpur (Malaysia) and Ho Chi Minh City (Viet Nam). I am confident that the new educational team led by Louis Tan and Ryosuke Takahashi will continue the good work and further enhance the value of these programs. Already there is an upcoming course in Ludhiana (India). Hopefully we shall have similar courses in the Middle East, Bangladesh and other countries in the near future. I would urge our Society members to take the lead and organize such programs in their respective regions.

There is also considerable excitement over an upcoming Movement Disorder educational program in Cebu City, Philippines in November 2009. This course will be held in conjunction with the annual meeting of the Philippine Neurological Association. The delegates attending this meeting will have the advantage of participating in the Movement Disorder course as well. In addition, Prof. Philip Thompson, MDS President, will be delivering an oration at this meeting as a part of the MDS Ambassador Program.

Since its inception, the MDS-AOS has made good progress yet a lot more remains to be done. My team and I look forward to continued cooperation from all members to achieve the objectives of our Society.

Bhim Singhal MD, FRCP  
Chairman, MDS-AOS

## MDS Visiting Professorship Lecture Program in Treatment of Parkinson's Disease, Bangkok, Thailand: March 27-28, 2009

Chulalongkorn Comprehensive Movement Disorder Center together with Thai Parkinson's Disease Society held the MDS Visiting Professor Program (VPP) in the treatment of Parkinson's disease (PD) on the 27-28th March 2009 in Bangkok, Thailand.

The objectives of the course were to: 1) Discuss the roles of pathogenesis of PD; 2) List and discuss different therapeutic options in PD as well as its management at various stages of severity; 3) Address specific management of motor and nonmotor manifestations of PD; 4) Recognize various movement disorders through interactive video session.

The course, directed by Roongroj Bhidayasiri, MD, FRCP (Chulalongkorn Comprehensive Movement Disorder Center) had the following faculty: Stanley Fahn (Neurological Institute, Columbia University, New York), Jeff Bronstein (UCLA, Los Angeles), and a number of local faculty. We are very grateful to the MDS Education Committee for their generous support of this VPP. In addition to a number of lectures, there were also interactive video sessions presented by residents in which Profs. Fahn and Bronstein have awarded the gold, silver, and bronze medals to the top three interesting cases.



Front row (from right to left): Stanley Fahn, Roongroj Bhidayasiri, Jeff Bronstein. Local Faculty including Teeratorn Pulkes, Pairoj Boonkongcheun, Jitbanorm Suwannathemee, Apichart Pisarnpong, Solasinee Hemrungroj, Charungthai Dejthevaporn, Akravudh Viriyaveja.



### The *Movement Disorder Society* Asian & Oceanian Section

**The MDS-AOS Educational Course Sponsorship Program** is an ongoing sponsorship program designed to address the needs of AOS regions that are restricted by size and/or resources from accessing Movement Disorders education. If you believe your region can benefit from this program, please contact The *Movement Disorder Society* at [education@movementdisorders.org](mailto:education@movementdisorders.org) or go to [www.movementdisorders.org/regional\\_sections/aos/](http://www.movementdisorders.org/regional_sections/aos/)

## MDS Online CME Activities

[www.movementdisorders.org/education/cme\\_activities.php](http://www.movementdisorders.org/education/cme_activities.php)

### The Clinicians' and Nurses' Guide to Parkinson's Disease

COMMERCIAL SUPPORTER: GSK, Boehringer, Solvay, EMD Serono; CME PROVIDER: We Move and MDS (co-sponsors) and AANN (nursing credits); CREDIT TO: Physicians - maximum of 2.0 AMA PRA Category 1 Credit(s)<sup>™</sup>; Nurses - up to 2.0 ANCC Contact Hour(s).

### 12th International Congress Teaching Course Webcasts

View webcasts created from the Teaching Courses offered at the 12th International Congress of Parkinson's Disease and Movement Disorders, held June 24-26, 2008 in Chicago, IL, USA.

### De Novo Parkinson's Disease: Diagnosis and Treatment

A CME Webcast derived from presentations by faculty of the "De Novo Parkinson's Disease: Diagnosis and Treatment" course held in San Francisco, CA, on September 13, 2008.

## Professional Notices

### Applications for Stolk Award in Movement Disorders Due November 2

Be recognized for your efforts in movement disorders; apply now for the Jon Stolk Award in Movement Disorders for Young Investigators, sponsored by the American Academy of Neurology (AAN). The award, named after Jon Stolk, a driving force in the drug development field for Parkinson's disease, recognizes young investigators who have made significant contributions to movement disorders research.

The recipient will be recognized at the 62<sup>nd</sup> AAN Annual Meeting in Toronto, April 10 through 17, 2010, and will receive a certificate of recognition and \$1,000 prize, complimentary registration for the Annual Meeting, and recognition at the Awards Luncheon at the Annual Meeting. To be eligible, you must be within 5 years of completing your neurology residency.

Complete award details and application are available at [www.aan.com/view/stolk](http://www.aan.com/view/stolk). Award application deadline is November 2.

### Jacques and Gloria Gossweiler Foundation

Large scale, international studies are regularly been published about the pharmacological treatment of PD and other movement disorders. However, only very few data on other aspects of treatment and management of patients with Parkinson's disease are available so far. For this reason the Jacques and Gloria Gossweiler Foundation has opened an avenue of funding for high quality research on non-pharmacological treatment of symptoms experienced by patients with Parkinson's disease and other movement disorders. Scholars working on studies on the effects of physical activity, physiotherapy, ergotherapy, and speech therapy as well as on psychological and spiritual aspects, among other, shall be supported. Both small, short term exploratory studies and more advanced, longer term projects will be supported. For more information, please go to: <http://www.gossweiler-stiftung.ch/en/>

### Progressive Supranuclear Palsy Study

The University of Louisville Movement Disorder Program, is seeking patients with progressive supranuclear palsy for a multi-center study to identify environmental and genetic risk factors associated with the disease. Subjects will be provided with a physical and neuropsychological examination, will be asked to provide a blood sample for DNA testing and will take part in a detailed phone interview. This study is sponsored by the National Institutes of Health (NIH). Subjects can be seen at eight medical centers throughout the United States. For more information please call 1-866- PSP- 0448 (1-866-777-0448).

### Movement Disorders Fellowship at the National Neuroscience Institute, Singapore

The Parkinson's Disease and Movement Disorders Centre (PDMDC), National Neuroscience Institute, Singapore has fellowship positions available. The Centre has been accredited by the US-based National Parkinson Foundation as one of its International Centre of Excellence. The PDMDC is dedicated to patient care and research into Parkinson's disease and related neurodegenerative

disorders, dystonia, tremors, Huntington's disease, and other movement disorders.

We are seeking motivated neurologists who have completed their neurology training and are interested to pursue the subspecialty of Movement Disorders. Successful candidates will join our team of movement disorders specialists who are supported by a multi-disciplinary team of allied health professionals. The fellowship program is for 1-2 years and commences in the 4th quarter of 2009 or January 2010. Fellows will receive intensive training in the diagnosis and management of a wide variety of movement disorders and gain experience in deep brain stimulation and the use of botulinum toxin. Fellows will also participate in clinical research including exposure to clinical trials, epidemiology and genetics.

Candidate should send their CVs with contact information and references to Dr. Louis Tan at [nni\\_hr@nni.com.sg](mailto:nni_hr@nni.com.sg).

### Associate or Full Clinical Professor to Join UCSF

The University of California San Diego is seeking a board certified senior neurologist with clinical expertise and an active research program in movement disorders to join the Department of Neurosciences. The successful candidate will be expected to provide clinical and research leadership in the diagnosis and management of patients with movement disorders. The candidate will be appointed at the associate or full professor level, to be determined by the individual's background and experience. Applications accepted until position is filled. Salary will be based on the UC salary scales. The University of California is an equal opportunity/affirmative action employer.

Please direct all inquiries and a current curriculum vitae, as well as the names and contact information of three professional references to: Jody Corey-Bloom, M.D., Ph.D., Chair of Search Committee, phone (858) 642-3470, fax (858) 642-3429, email: [jcoreybl@vapop.ucsd.edu](mailto:jcoreybl@vapop.ucsd.edu).

### Austin, Texas, NSC Fellowship Trained Movement Disorders Neurologist Needed

Neurology Solutions Consultants, P.A., a private practice movement disorders clinic in Austin, Texas is seeking a full time, board-certified or board-eligible neurologist. Completion of a movement disorders fellowship is required.

The successful and motivated candidate will join a growing interventional program consisting of another fellowship-trained neurologist, two certified nurse practitioners, an experienced physical therapist trained in LSVT BIG, and a physical therapy assistant.

We have an established DBS program integrating both the neurosurgeon and neurologist in the operating room utilizing "frameless" technology. We are also enrolling patients for clinical trials in Parkinson's Disease. Experience in movement disorders research, botulinum toxin and intrathecal pump therapies will be helpful.

Compensation is negotiable with starting salary up to \$200,000/year based on experience, plus benefits, incentives, and a partnership

CONTINUED ON PAGE 18



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track. This opportunity will be partially supported by St. David's Hospital North Austin Medical Center. Call will be shared with several other neurologists covering the hospital, approximately 1 in 8.

Interested individuals should send or e-mail personal statements and CVs to [rizer@yahoo.com](mailto:rizer@yahoo.com), Rob Izor, MD, Director of NSC. [www.neurologysolutions.com](http://www.neurologysolutions.com)

**Movement Disorder Neurologist needed in Dallas, Texas**

Texas Health Presbyterian Hospital Dallas is seeking a full time board certified or board eligible movement disorder neurologist to join an established neurology practice in an office based practice with opportunities for hospital participation. The position is oriented toward patient care but clinical research including DBS surgery, clinical trials, and collaboration with academic institutions and universities is encouraged. The hospital has an active Deep Brain Stimulation clinical program, The Human Performance Research Laboratory, and a Movement Disorder Educational and Resource center. Completion of a movement disorder fellowship or significant clinical experience in movement disorders is required.

For more information, please contact:

Norma Ondarza  
 Texas Health Resources  
 Office: 800-945-0430  
 Fax: 817-250-7942  
 Email: [NormaOndarza@TexasHealth.org](mailto:NormaOndarza@TexasHealth.org)  
 Web: [www.TexasHealth.org](http://www.TexasHealth.org)

**General Neurologist/Movement Disorders Neurologist in Southwest Michigan**

Bronson Neurological Services has an outstanding clinical opportunity in southwest Michigan for an energetic General Neurologist or Neurologist with interest/experience in Movement Disorders or Dementia to lead their Neurodegenerative Program. Individual must be BE/BC and be willing to serve a multi-disciplinary patient population including regional clinics in Southwest Michigan. Full-time, hospital employed position with competitive compensation and comprehensive benefits. Bronson Methodist Hospital, a tertiary referral center serving all of southwest Michigan and northern Indiana, maintains a dedicated Neurovascular Unit for focused care, is a Certified Primary Stroke Center by the Joint Commission and is a Level 1 Trauma Center. For more information about Bronson Methodist Hospital visit [www.bronsonhealth.com](http://www.bronsonhealth.com). Kalamazoo, located between Detroit and Chicago, offers diverse cultural opportunities, economic diversification and very affordable real estate. Public, private and parochial schools are recognized for their academic excellence. For more information about Kalamazoo visit [www.kalamazoomi.com](http://www.kalamazoomi.com).

**University of Colorado School of Medicine – Department of Neurology**

The Department of Neurology at the University of Colorado Denver School of Medicine (UCDSOM) is recruiting clinician-educators and clinician-scientists with expertise in movement disorders. Collaborations and joint appointments available in

corresponding academic basic science departments. Responsibilities include directing clinical and research programs, as well as training fellows and residents. Applicants must submit CV and cover letter to the JobsatCU website: [www.jobsatcu.com](http://www.jobsatcu.com) Review of applications is continuous and positions will remain open until filled.

UCDSOM is an equal opportunity/affirmative action employer.

**University of Colorado School of Medicine – Department of Neurology**

The University of Colorado Denver is pleased to offer a one year fellowship in Movement Disorders beginning July 2010. Our program offers fellows training in clinical movement disorders, deep brain stimulation surgery and botulinum toxin injections. Fellows will also have the opportunity to take part in clinical research, including clinical research trials. Fellows interested in research may have the opportunity to extend their fellowship to two-years. Interested candidates should contact Dr. Benzi Kluger by email at [benzi.kluger@ucdenver.edu](mailto:benzi.kluger@ucdenver.edu).

**Movement Disorder Neurologist Los Angeles Neurosurgical Institute**

The Los Angeles Neurosurgical Institute and its Movement Disorder Program is seeking a Board Certified Neurologist with subspecialty training in Movement Disorder. The clinical position involves pre- and post-operative management of surgical patients, clinical trials and potential affiliation with academic institutions. Please send curriculum vitae and references to:

Michel F. Levesque, MD, FACS, FRCS(C)  
 8670 Wilshire Blvd.  
 Los Angeles, CA, 90211  
 Phone: 310-659-6633  
 Fax: 310-659-6631  
 Email: [levesque@lansi.org](mailto:levesque@lansi.org)

**Movement Disorder Staff Position**

The Neuroscience Institute at Henry Ford Medical Center is seeking a full time BC/BE neurologist who has completed fellowship training in Movement Disorders. The position is intended for a highly motivated clinician/scientist with expertise in DBS, including screening, intraoperative electrophysiology and postoperative programming. The position involves participation in a busy clinical practice with excellent experience in clinical trials and collaborative research, based at the new Henry Ford West Bloomfield Hospital. The position offers competitive salary and benefits. Applicants should send a CV, personal statement and 3 letters of recommendation to:

Peter A. Lewitt, MD  
 Jason M. Schwalb, MD  
 Henry Ford West Bloomfield Hospital  
 6777 West Maple Road  
 West Bloomfield, MI 48322  
[palewitt@ameritech.net](mailto:palewitt@ameritech.net)  
[jschwal1@hfhs.org](mailto:jschwal1@hfhs.org)

\* Meetings Sponsored, Supported and/or Endorsed by MDS

**October 8-11, 2009**

*The Third World Congress on Controversies in Neurology (CONy)*. Prague, Czech Republic. Contact: Comtec Med – Medical Congresses, P.O. Box 68, Tel Aviv, 61000 Israel; TEL: +972-3-5666166; Fax: +972-3-566177; E-mail: [cony@comtecmed.com](mailto:cony@comtecmed.com); Web site: [www.comtecmed.com/cony](http://www.comtecmed.com/cony)

**October 11, 2009**

*23<sup>rd</sup> Annual Symposium on Etiology, Pathogenesis, and Treatment of PD and Other Movement Disorders*. Marriott Waterfront Hotel (Affiliate of ANA Annual Meeting). Contact: Roseanna Battista, Parkinson Study Group (PSG), 1351 Mt. Hope Avenue, Rochester, NY 14620, USA; TEL: +1 585-275-1642; FAX: +1 585-273-1074; E-mail: [Roseanna.battista@ctcc.rochester.edu](mailto:Roseanna.battista@ctcc.rochester.edu); Web site: [www.parkinson-study-group.org](http://www.parkinson-study-group.org)

**October 22, 2009**

*The CurePSP+ (The Society for Progressive Supranuclear Palsy) Annual Scientific Symposium*. Chicago, IL, USA. Contact: Ms. Adrienne Bantum; E-mail: [bantum@psp.org](mailto:bantum@psp.org); Web site: [www.psp.org](http://www.psp.org)

**October 31, 2009**

*Edward I. Rudman Parkinson's Disease and Caregiver Symposium: Nonmotor Aspects of Parkinson's Disease*. Boston, MA, USA. Contact: Catherine Breckenridge; Tel: +1 414-276-2145; Fax: +1 414-276-3349; E-mail: [kbreckenridge@movementdisorders.org](mailto:kbreckenridge@movementdisorders.org); Web site: [www.movementdisorders.org/education/edward-rudman](http://www.movementdisorders.org/education/edward-rudman)

**October 24-30, 2009**

*19<sup>th</sup> World Congress of Neurology, WCN 2009*. Bangkok, Thailand. Contact: Congress Secretariat; E-mail: [wcn2009@congrex.com](mailto:wcn2009@congrex.com); Web site: [www.wcn2009bangkok.com](http://www.wcn2009bangkok.com)

**November 6-8, 2009**

*AAN Fall Conference*. Planet Hollywood Resort and Casino, Las Vegas, Nevada, USA. Contact: Lynn Ellen Smith, American Academy of Neurology, 1080 Montreal Avenue, Saint Paul, MN 55116, USA; TEL: +1-651-965-1940; FAX: +1-651-695-2756; E-mail: [lsmith@aan.com](mailto:lsmith@aan.com); Web site: [www.aan.com/fall](http://www.aan.com/fall)

**November 19-22, 2009**

*6<sup>th</sup> International Congress on Vascular Dementia*. Barcelona, Spain. Contact: KENES International, 1-3 rue de Chantepoulet, P.O. Box 1726, CH-1211 Geneva 1, Switzerland; TEL: +41-22-908-0488; FAX: +41-22-732-2850; E-mail: [vascular@kenes.com](mailto:vascular@kenes.com); Web site: [www.kenes.com/vascular](http://www.kenes.com/vascular)

**\*November 20, 2009**

*Dopamine Transporter Imaging in Neurological Practice*. Charles University, 1<sup>st</sup> Faculty of Medicine, Kateřinská 30, CZ-12000, Prague, Czech Republic Contact: Catherine Breckenridge, Tel: +1 414.276.2145; Fax: +1 414.276.3349; E-mail [cbreckenridge@movementdisorders.org](mailto:cbreckenridge@movementdisorders.org); Web site: <http://www.movementdisorders.org/education/dti/prague/>.

**December 13-16, 2009**

*XVIII WFN World Congress on Parkinson's Disease and Related Disorders*. Miami Beach, FL, USA. Contact: KENES International, 1-3, Rue de Chantepoulet PO Box 1726, CH-1211 Geneva 1 Switzerland; Tel : +41 22 908 0488; Fax : +41 22 732 2850, E-mail: [parkinson@kenes.com](mailto:parkinson@kenes.com)

**2010****February 5-7, 2010**

*Knowledge Gaps in Parkinson's Disease and Other Movement Disorders*. Taormina, Sicily, Italy. Tel: +39 09 034 5281; Fax: +39 09 047044; E-mail: [gaps.in.mds@gmail.com](mailto:gaps.in.mds@gmail.com); Web site: [www.gapsinmds.com](http://www.gapsinmds.com)

**February 26-28, 2010**

*The 3<sup>rd</sup> International Congress on Gait and Mental Function*. Shoreham Hotel, Washington, D.C., USA. Contact: Kenes International, 17 Rue du Cendrier, P.O. Box 1726, CH-1211 Geneva 1, Switzerland; TEL: +41-22-908-0488; FAX: +41-22-732-2850; E-mail: [gait@kenes.com](mailto:gait@kenes.com); Web site: <http://www.kenes.com/gait/>

**March 4-6, 2010**

*3<sup>rd</sup> International Conference on Hypertension, Lipids, Diabetes & Stroke Prevention*. Maritim Hotel, Berlin, Germany. Contact: KENES International, 1-3, Rue de Chantepoulet PO Box 1726, CH-1211 Geneva 1 Switzerland; Tel : +41 22 908 0488; Fax : +41 22 906 9140, E-mail: [ebaron@kenes.com](mailto:ebaron@kenes.com); Web site: <http://www.kenes.com/strokeprevention>

**March 9-11, 2010**

*3<sup>rd</sup> Ataxia Investigators Meeting*. Regency O'Hare Hotel, Chicago, IL, USA. Contact: National Ataxia Foundation, 2600 Fernbrook Lane No, Suite 119, Minneapolis, MN 55447, USA; TEL: +1-763-553-0020; FAX: +1-763-553-0167; E-mail: [susan@ataxia.org](mailto:susan@ataxia.org); Web site: [www.ataxia.org](http://www.ataxia.org)

**March 12-14, 2010**

*3<sup>rd</sup> Annual Membership Meeting*. Regency O'Hare Hotel, Chicago, IL, USA. Contact: National Ataxia Foundation, 2600 Fernbrook Lane No, Suite 119, Minneapolis, MN 55447, USA; TEL: +1-763-553-0020; FAX: +1-763-553-0167; E-mail: [naf@ataxia.org](mailto:naf@ataxia.org); Web site: [www.ataxia.org](http://www.ataxia.org)

**May 6-8, 2010**

*1<sup>st</sup> International Congress on Treatment of Dystonia*. Hannover, Germany. Contact: Interplan AG, Office Hamburg, Eppendorfer Weg 204, 20251 Hamburg, Germany; TEL: +49 (0) 40 32509230; FAX: +49 (0) 40 32509244; E-mail: [dystonia2010@interplan.de](mailto:dystonia2010@interplan.de); Web page: [www.treatment-of-dystonia.org](http://www.treatment-of-dystonia.org)

**\*June 13-17, 2010**

*14<sup>th</sup> International Congress of Parkinson's Disease and Movement Disorders*. Buenos Aires, Argentina. Offered by The Movement Disorder Society. Contact: The Movement Disorder Society, 555 E. Wells Street, Suite 1100, Milwaukee, WI 53202 USA; TEL: +1 414-276-2145; FAX: +1 414-276-3349; E-mail: [congress@movementdisorders.org](mailto:congress@movementdisorders.org); Web site: [www.movementdisorders.org](http://www.movementdisorders.org)

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The *Movement Disorder Society*

14<sup>TH</sup> International Congress of Parkinson's Disease AND Movement Disorders

# Save the Date



**October 5, 2009**

Abstract Submission Opens

**December 1, 2009**

Registration Opens

**January 2010**

Preliminary Program Available



**January 8, 2010**

Abstract Submission Deadline

**April 5, 2010**

Early Registration Deadline



**May 3, 2010**

Final Registration Deadline



**Buenos  
Aires**

ARGENTINA June 13-17

**2010**