



International Parkinson and Movement Disorder Society

Moving Along

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Highlights from the International Congress in Hong Kong

Present and Future of the MDS Education Roadmap

Remembering the Late Professor David Marsden



6th Asian and Oceanian Parkinson's Disease and Movement Disorders Congress

April 12-14, 2019 • Hangzhou



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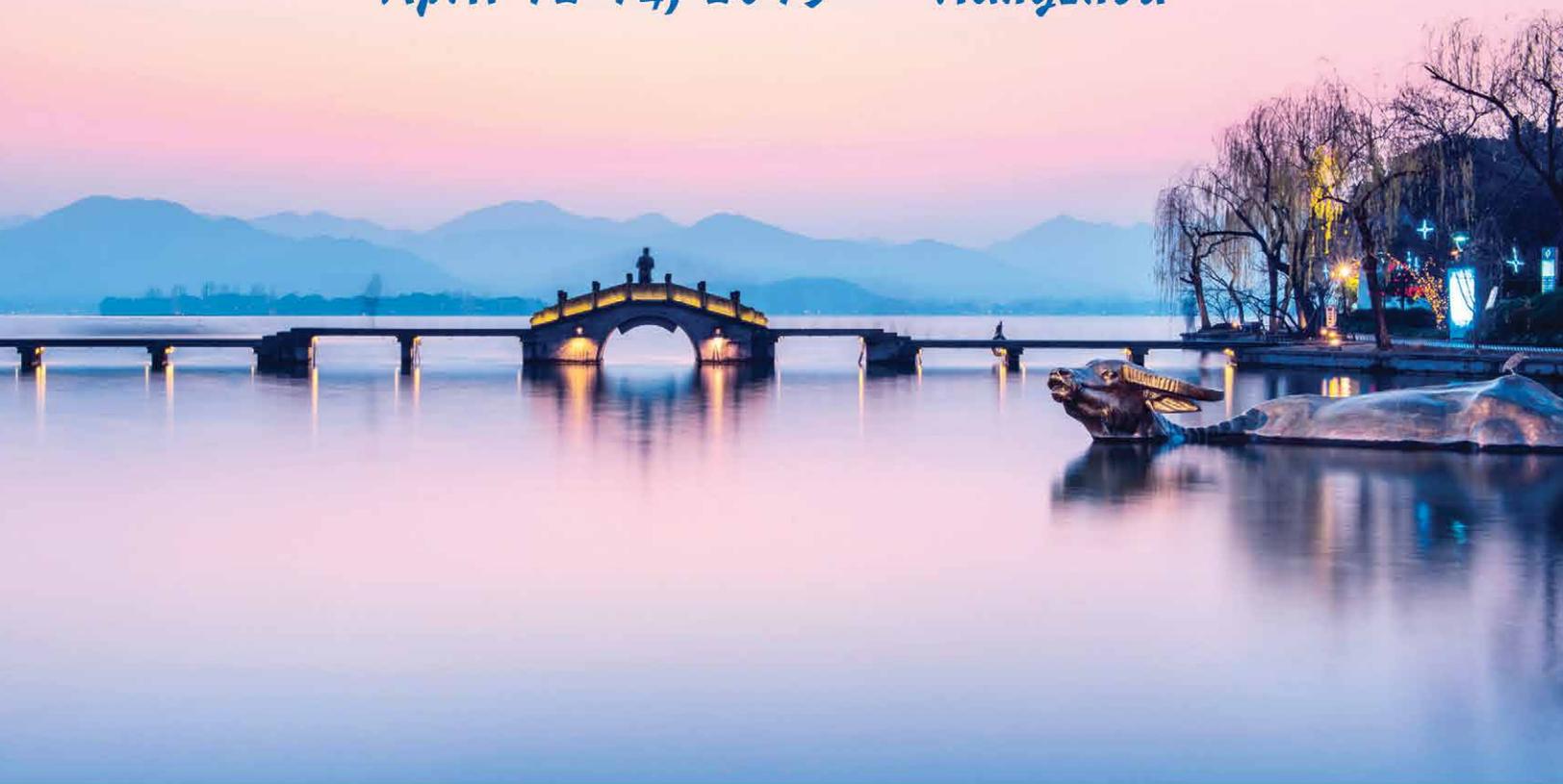
International Parkinson and Movement Disorder Society
555 East Wells Street, Suite 1100
Milwaukee, WI 53202-3823 USA



International Parkinson and
Movement Disorder Society
Asian & Oceanian Section

6th Asian and Oceanian Parkinson's Disease and Movement Disorders Congress

April 12-14, 2019 • Hangzhou



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International Parkinson and
Movement Disorder Society

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Moving Along

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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.

Address your communications to:

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Looking back on the latter half of 2018, this latest edition of *Moving Along* highlights the most recent MDS International Congress in Hong Kong, the 2nd PAS Congress in Miami, and the various regional education courses being held in cities throughout the world. The feature story was submitted by Santiago Perez-Lloret, Thiago Cardoso Vale, and Margherita Fabbri and provides an overview of the history and future plans for the very active MDS Young Members Group. Read more about the group's activities and how to get involved on page 6.

In this edition, you will also find information on how to navigate the new MDS Education Roadmap on the website, as well as a special contribution from Niall Quinn, highlighting the life and career of C. David Marsden, co-founder of The *Movement* Disorder Society, 20 years after his premature death.

MDS President, Christopher Goetz, as well as the Regional Section Chairs, BJ Jeon (MDS-AOS), Evžen Růžička (MDS-ES) and Henrique Ferraz (MDS-PAS), have all provided overviews of the recent activities and future plans for the Society and the respective sections.

This last issue of 2018 also marks the last issue for us as *Moving Along* Editors, after ten years and two consecutive terms. We have really enjoyed working together on this newsletter, and according to the generally positive feedback received from MDS members of varying countries, ages, and experience, we should be proud of our work. To this regard, we have to warmly thank Elizabeth Clausen, from the MDS staff, for her invaluable help all these years.

We would like to thank the current and past MDS Officers, International Executive Committee (IEC) and Regional Section leadership for their support and contributions throughout the years. And we welcome the incoming Editor, Antonio Strafella, from Toronto Western Hospital, who we know for his high professional and human qualities will be successful in transitioning the newsletter to the next phase. We wish him every success to bring the newsletter to a new level of accomplishment in 2019 and beyond.

We hope you enjoy this issue of *Moving Along* and thank you for reading every issue throughout these past ten years.

Warm regards,



Carlo Colosimo, MD
Moving Along Co-Editor, 2009-2018



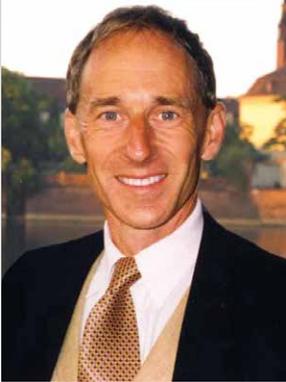
Mark Stacy, MD
Moving Along Co-Editor, 2009-2018



Carlo Colosimo, MD



Mark Stacy, MD



It is hard to believe we are now in the first quarter of 2019. The Society has had another busy year, from our many regional education courses and expanding our e-learning offerings, to further developing the Education Roadmap and increasing our membership around the globe. I would like to take a minute to highlight several accomplishments from this year and several events taking place in 2019.

This past June, the Society hosted the 2nd Pan American Parkinson's Disease and Movement Disorders Congress in Miami, Florida, USA. I would like to thank and congratulate the Pan American Scientific Program Committee for their hard work and for the success of this meeting. A full report on the 2018 PAS Congress is available on page 10.

Our International Congress of Parkinson's Disease and Movement Disorders was held in Hong Kong, October 5-9, 2018. The meeting was a great success, attended by 4,000 enthusiastic delegates who were excited to network and take part in an impressive Scientific Program. I would like to thank and congratulate the Congress Scientific Program Committee, Local Organizing Committee and International Congress Oversight Committee on a job well done. A full report on International Congress activities is available on page 12.

The Society is already in full swing working towards the next International Congress in Nice, France. Topic suggestions closed in September, and I would like to take this opportunity to thank our members who submitted their suggestions. The Congress Scientific Program Committee is in process of planning another great scientific program and I look forward to welcoming you to Nice, September 22-26, 2019.

Also this year is the 6th Asian and Oceanian Parkinson's Disease and Movement Disorders Congress (AOPMC) in Hangzhou, April 12-14, 2019. We welcome our colleagues from the Asian and Oceanian Section and from around the globe to join us at this exciting event.

Lastly, I encourage you to renew your membership if you have not already done so. The Society continues to be committed to the next generation of Movement Disorder specialists and will continue to offer free membership to students, residents and fellows.

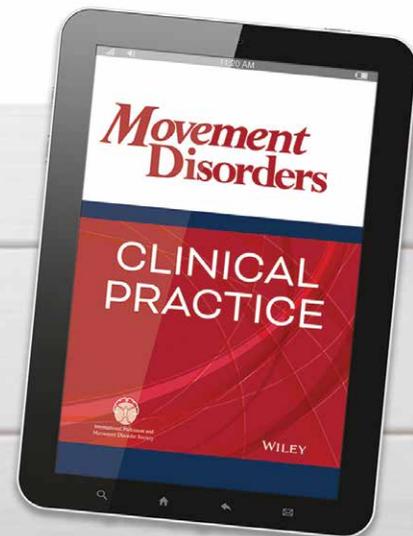
I look forward to working with all of you to ensure the continued success of our Society.

On behalf of all of the MDS Officers, I would like to congratulate and extend our gratitude to editors Carlo Colosimo and Mark Stacy for the past ten years of dedication and service to MDS and the readers of *Moving Along*. We also welcome the new sole editor, Antonio Strafella, who has accepted this esteemed position and will continue to guide the next generation of *Moving Along*.

Sincerely,

Christopher G. Goetz, MD
MDS President, 2017-2019

***Movement Disorders
Clinical Practice*** has been
accepted for indexation in
PubMed Central® (PMC)



www.movementdisorders.org/journals

The MDS Young Members Group: Now...and Then

— Santiago Perez Lloret, MD, PhD, Buenos Aires, Argentina; Past Chair, MDS Young Members Group (MDS-YMG)

— Thiago Cardoso Vale, MD, Juiz de fora, Brazil; Chair, MDS Young Members Group (MDS-YMG)

— Margherita Fabbri, MD, Lisbon, Portugal; Co-Chair, MDS Young Members Group (MDS-YMG)

Group Mission

The primary aim of the MDS Young Member Group (MDS-YMG) is to support and expand the network of outstanding professionals who have an interest in the field of Movement Disorders.

Group Activities

The first MDS-YMG meeting took place during the 2014 International Congress of Parkinson's Disease and Movement Disorders in Stockholm, Sweden. The group has come a long way since that time, and we would like to share some achievements and plans for the future of MDS.

One of the first accomplishments for the MDS-YMG was production of a Concept Paper in 2015. This required a lot of hard work, but we also had a lot of fun, offering opportunity for the MDS-YMG Chairs to team-up with highly trained neurologists, creating the first ever MDS-YMG Steering Committee.

The MDS-YMG Steering Committee, to date, includes: Miryam Carecchio, MD (Italy), Veronika Datieva, MD, PhD (Russia), Tomás de la Riestra, MD (Argentina), Sergio Rodriguez Quiroga, MD (Argentina), and Tiago Teodoro, MD (United Kingdom).

We would also like to recognize and give special thanks to Roberto Erro, MD (Italy) for his early contributions to the MDS-YMG prior to the official formation of the Steering Committee.

The MDS-YMG is now more than 3,000 members strong and growing by the minute.

Schools for Young Neurologists: MDS-YMG Findings

One of the first (and on-going) projects for the MDS-YMG, has been to conduct surveys on the MDS Schools for Young Neurologists.



MDS-YMG in Berlin, Germany (June 2016)

Results from the first survey showed a 43.5% response rate (with 283 of 650 participants completing the survey). Results have suggested that young clinicians report a significant impact on their careers after attending an MDS School for Young Neurologists, with most stating significant engagement in the field following completion of the course. The MDS-YMG presented these results as a Late-Breaking Abstract at the 2017 International Congress in Vancouver, BC, Canada.

Learn more about the paper under the "Resources for Young Members" tab on the MDS-YMG webpage: www.movementdisorders.org/young-members-group.

MDS-YMG: Bringing It All Together

As the MDS-YMG continues to grow, the Steering Committee has felt a need to put together a consolidated list of the group's activities as well as resources for young professionals interested in the field of Movement Disorders; and thus the webpage was designed.



MDS-YMG in Vancouver, BC, Canada (June 2017)

The MDS Young Members Group *CONTINUED ON PAGE 7*

The MDS Young Members Group CONTINUED FROM PAGE 6

As chairs of the MDS-YMG, we give special thanks to Margherita Fabbri, MD, for the curation of the page and for volunteering to be the MDS-YMG Webpage Editor. When visiting the MDS-YMG webpage, you will find a brief letter from Dr. Fabbri highlighting how other young members of MDS may get involved with our group.

The MDS-YMG understands that young generations are active on social media, and because of this, our group has also created an MDS-YMG Facebook group (which is now more than 680 members-strong).

MDS-YMG: Social Events and Networking

The MDS-YMG never misses an opportunity to get together, share learning opportunities, and have some fun while we are attending MDS courses and International and Regional Congresses.

Since 2016, the MDS-YMG has held several social events at the MDS International Congresses. These events represent great opportunities to meet exciting people and open one another's minds.

The MDS-YMG organized and submitted a proposal requesting a Skills Workshop titled "How to Become a Successful Movement Disorder Specialist"; MDS approved such and the presentation was then Chaired at the 2017 International Congress and given by Stanley Fahn, MD and Claudia Trenkwalder, MD.

The MDS-YMG hosted similar sessions at the 2018 PAS Congress in Miami, FL, USA and at the 2018 International Congress in Hong Kong. Charles Adler, MD, PhD and Brandon Barton, MD chaired the session in Miami, titled "How to Pursue a Career in Movement Disorders: Educational Opportunities in the Americas". Dr. Fahn returned to lead the discussion of "How to Become a Successful Movement Disorder Specialist" in Hong Kong, along with Shengdi Chen, MD, PhD, and Esther Cubo, MD, PhD.

MDS-YMG: E-Learning Modules

The MDS-YMG have been collaborating closely with the MDS Education Committee to create E-Learning modules. This initiative has been led by Tomas de la Riestra and Sergio Rodriguez Quiroga. Modules include:

- *Huntington's Disease: Genetics and Pathophysiology;*
- *Huntington's Disease: Cognitive/Behavioral Symptoms and Treatment;*
- *Drug-induced Movement Disorders: Acute dystonia and akathisia;*
- *Drug-induced Movement Disorders: Neuroleptic malignant syndrome;*
- *Drug-induced Movement Disorders: Tardive syndromes (including tardive tics); and*
- *Drug-induced Movement Disorders: Tremors, myoclonus, asterixis, chorea.*

" Our Society wants to keep growing and renewing; the MDS Young Members Group helps us do this by providing a great landing place for those new to the Society. "

— Ron Postuma, MD, MSc
Co-Chair, MDS Education Committee



MDS-YMG members with Stanley Fahn and Claudia Trenkwalder in Vancouver, BC, Canada (June 2017)

" Our young members are the future spirit of our Society – it is like in a family: we want to pass over our experience to the young generation, give them the best education we can provide, but finally just enjoy being with them! "

— Claudia Trenkwalder, MD
MDS President-Elect

To date, young members of MDS have authored such modules in collaboration with a mentor. The MDS-YMG is pleased to share that members of the group will have the opportunity in the near future to produce new modules, so be sure to keep an eye out for notices from the Society.

Learn more about the E-Learning modules at www.movementdisorders.org/e-learning.

The MDS-YMG knows the next few years will be very exciting ones for our group. We want to be the place where MDS young members have the opportunity to get involved with the Society and where you choose to go to network with colleagues.

We will continue to collaborate on E-Learning modules and soon will launch a program related to the MDS Virtual Professor Program. The MDS-YMG is also committed to accurately representing members from all over the world. We also believe that all major disciplines in the field should be equally represented, including basic science, allied health, and neurology. Therefore, no matter where you come from, whether you want to actively

The MDS Young Members Group CONTINUED ON PAGE 8

The MDS Young Members Group CONTINUED FROM PAGE 7

participate in MDS projects or just profit from education opportunities, this is your place to be, so please – do not hesitate to contact us.

How to Join the MDS-YMG

We welcome all MDS members under the age of 40 to become a part of our group. All you need to do is login to your MDS Members Only account, and then select “My Profile”. The Young Members Group option is located on the “Professional” tab under “Special Interest Groups”. Please sign up here to receive updates.

Questions?

If you have any questions or need assistance, please contact Drew Whalen at dwhalen@movementdisorders.org.

Visit the MDS-YMG webpage on the MDS website at:

www.movementdisorders.org/young-members-group

Find the MDS-YMG Facebook page at:

<https://www.facebook.com/groups/118963335392192/>

“ I am proud of the accomplishments by our Young Members Group and recognize their leadership role for the Society in the years to come. MDS Officers encourage active participation by this group and welcome ideas for new models of education, outreach, research, and programs that will ultimately impact our patients and their families. ”

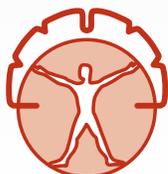
— Christopher Goetz, MD
President, International Parkinson and Movement Disorder Society (MDS)

Advance.
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International Parkinson and
 Movement Disorder Society



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Remembering the Late Professor David Marsden (1938–1998) – 20 Years Later

— Niall Quinn, MD, Emeritus Professor of Neurology, National Hospital for Neurology and Neurosurgery, Queen Square, London

David Marsden, FRS, DSc, MRCPsych, MB, BS, FRCP, who co-founded The *Movement Disorder Society* in 1985 and the *Movement Disorders Journal* in 1986, was born 80 years ago, and died 20 years ago, aged 60.

Some of Prof. Marsden's ex-fellows put together a Symposium to celebrate his life and work, endorsed by MDS, in the Athenaeum Club in London on November 19, 2018. The Symposium was attended by over 100 people, including his former wife, Jenny, and four of his daughters.

David spent his first 17 years as a Consultant at King's College Hospital and the Maudsley Hospital and Institute of Psychiatry south of the Thames, and his last 11 years at the National Hospital Queen Square and the UCL Institute of Neurology in Bloomsbury.

Over these years he trained and worked with numerous fellows from 17 countries, some of us for over 15 years. Ten of us delivered a program

covering David's scientific and clinical work, covering a range of topics: his achievements and honours, work on the neurophysiology of the basal ganglia and dystonia, the pharmacology and pathology of Parkinson's disease, on corticobasal syndrome, and finishing with some videos and denouement of previously mystery cases of his in which we now have genetic diagnoses.

Alongside the science we talked of our memories and appreciation of David, and his legacy which has been handed down across the world by his many ex-fellows. It was a joyous occasion marked by warmth, camaraderie, affection, and gratitude for the opportunity to have spent time with such a remarkable man.

Stanley Fahn sent a video message celebrating David, and the day ended with a reception and a gala dinner, with a group photo of the speakers* and other former fellows.



Faculty and fellows (left to right): Michael Sheehy, Angela Rothwell, Mark Hallett*, Tony Lang*, Alberto Albanese, Kailash Bhatia*, Marie-Helene Marion, John Rothwell*, Fabrizio Stocchi, Marjan Jahanshahi*, Alfredo Berardelli, Richard Brown, Niall Quinn*, Jose Obeso*, Angelico Carta, Brian Day*, Malcolm Steiger, Ray Chaudhuri, Tom Warner, Dirk Dressler

2nd Pan American Parkinson's Disease and Movement Disorders Congress

The 2nd Pan American Parkinson's Disease and Movement Disorders Congress was hosted in Miami, Florida, USA on June 22-24, 2018. With an attendance of 715 delegates traveling from 30 different countries, it was the perfect size for networking, collaborating and learning about the latest research in the field of Movement Disorders and how it relates to the Pan American Region.

Under the direction of Henrique Ferraz and Cynthia Comella, the PAS Congress Scientific Program Committee made every effort to ensure that the science for the Congress reflected the region, which produced the theme of the meeting, Movement Disorders Across the Americas: Translating Science to Clinical Practice.

The Society would like to recognize the PAS Congress Scientific Program Committee, who were instrumental in making the program a success: Henrique Ferraz, Marcelo Merello, Emilia Gatto, Jennifer Goldman, Mayela Rodriguez Violante, Jill Ostrem, David Standaert, Francisco Cardoso, William Fernandez, Okasana Suchowersky, Oscar Gershanik, and Christopher Goetz.

The Scientific Program incorporated Themed Plenary Sessions, Parallel Sessions, Skills Workshops, Poster Sessions, Guided Poster Tours and a Video Tournament. A world renowned group of faculty members was carefully selected.

Highlights included:

- 50 Travel Grants awarded by MDS
- 30 Fellowship Scholarships awarded by MDS
- 61 faculty members participated in the Scientific Sessions
- 265 abstracts accepted
- 7 Late-Breaking abstracts accepted
- 7 Plenary Sessions
- 8 Parallel Sessions
- 6 Skills Workshops
- 2 Video Sessions
- 4 Guided Poster Tours
- 14 companies and 5 non-profits exhibited

Under the direction of the Social Media Sub-Committee, the Social Media Ambassador Program also took place before and during the PAS Congress. The Secretariat contacted the MDS Young Members Group for volunteers who would attend the meeting and who hold strong skills in social media. The responsibilities of an ambassador included promoting the PAS Congress prior to the meeting, as well as helping generate interest and engagement onsite in Miami. There was a large amount of social media activity around the meeting's #PASCongress hashtag and MDS considers this Social Media Ambassador Program a great success.

The Society would like to thank the following doctors for their involvement as social media ambassadors: Catalina Cerquera-Cleves, Jason Crowell, Paulina Gonzalez-Latapi, Karlo J. Lizarraga, Diana Carolina Ibanez Martinez, Daniel Martinez-Ramirez, Claudia Carricarte Naranjo, Wellington Ramirez, Martin A. Tourreilles, and Mayela Rodriguez Violante.



Cynthia Comella presents Oscar Gershanik with the 2018 MDS-PAS Leadership Award.

On Friday night, delegates were formally greeted by MDS President Christopher Goetz, MDS-PAS Chair Henrique Ferraz, and by PAS CSPC Chair Cynthia Comella, at the Welcome Ceremony.

On Saturday night, delegates assembled to watch the Challenging Case MDS-PAS Rounds where Movement Disorder clinical experts, Orlando Barsottini, Anthony Lang, and Michael Okun, discussed cases on phenomenology, syndromic classification and differential diagnosis. The cases presented were selected from a large number of submissions by the host of the event, Alberto Espay.



Alberto Espay, Paula Christina de Azevedo, Camila Aquino, Karlo Lizarraga, Anthony Lang, Orlando Barsottini, Michael Okun, and Sagari Bette celebrate the Challenging Case MDS-PAS Rounds.

2nd Pan American Congress CONTINUED ON PAGE 11

2nd Pan American Congress CONTINUED FROM PAGE 10

The International Parkinson and Movement Disorder Society - Pan American Section extends its gratitude to faculty, supporters, exhibitors and delegates for traveling to Miami and helping make the 2nd Pan American Parkinson's Disease and Movement Disorders Congress a successful meeting.

Mark your calendars: the MDS-PAS is already planning for the 3rd Pan American Parkinson's Disease and Movement Disorders Congress in Miami, FL, USA, February 14-16, 2020. The 2020 theme is "Therapeutics of Movement Disorders in the Americas." Given the city's appeal, Miami is intended to be the host city for the PAS Congresses in the foreseeable future, and the meeting will occur on even years. Please visit the PAS Congress website at www.pascongress.org in the coming months for more information.



MDS President Christopher Goetz is pictured here with the attendees of the Young Delegates Reception.

3rd Pan American Parkinson's Disease and Movement Disorders Congress

**FEBRUARY 14-16, 2020
MIAMI, FLORIDA, USA**



2020 IMPORTANT DATES

March 1, 2019

Topic Suggestions Close

June 5, 2019

Abstract Submissions Open

August 1, 2019

Housing and Registration Open

September 14, 2019

Abstract Submissions Close

February 14-16, 2020

3rd Pan American Parkinson's
Disease and Movement Disorders
Congress

MDS International Congress in Hong Kong

The most recent International Congress of Parkinson's Disease and Movement Disorders was hosted in Hong Kong, October 5-9, 2018.

Hong Kong has a reputation of being a city of charm with a mix of tradition, cultural diversity and sophistication. It offers spectacular scenery and a skyline that has been regarded as the biggest visual impact of all world cities. The Hong Kong Convention and Exhibition Centre was an ideal venue for networking, collaboration and learning about the latest research in the field of Movement Disorders. Highlights from the 2018 International Congress include:

- 4,000 total people registered (including press and exhibitors)
- 86 countries represented
- 250 Travel Grant awards awarded
- 250 Travel Grant registrations awarded
- 100 Waived Dues Registration Waivers awarded
- 181 faculty members participated in the Scientific Sessions
- 1,818 abstracts accepted
- 23 Late-breaking abstracts accepted
- 18 MDS Study Group abstracts accepted
- 34 companies and 5 non-profit organizations exhibited
- 14 representatives from the press attended

Under the direction of Hyder Jinnah, the Congress Scientific Program Committee (CSPC) made every effort to ensure that the science for the 2018 International Congress was diverse and educational. The Scientific Program incorporated Therapeutic Plenary Sessions, Plenary and Parallel Sessions, Teaching Courses, Video Sessions, Skills Workshops, Controversies, Blue Ribbon Highlights, Poster Sessions and Guided Poster Tours. There were 11 sessions focused on the theme of "Technology in the Diagnosis, Monitoring, and Management of Movement Disorders" which gave participants an educational comprehensive overview on the subject.



Delegates view the posters and interact with poster presenters in the Poster Area.
Photo credit: Robert Levy Photography

Delegates were formally greeted in Hong Kong at the official Welcome Ceremony for the International Congress on the evening

of Friday, October 5. Vincent Mok, Chair of the Local Organizing Committee, gave a welcome address and introduced guest of honor, CHUI Tak-yi, Under Secretary for Food and Health Bureau, who also gave a welcome speech. Dr. Mok next introduced Ken Yung, President of the Hong Kong Movement Disorder Society, to formally greet delegates. MDS President Christopher Goetz gave his annual address and presented Society awards, and Cynthia Comella presented the LEAP graduating class. The ceremony ended with Dr. Mok inviting all guests out into foyer area for the reception and to enjoy the scientific harbor views at night.



Group photo of MDS President Christopher Goetz, Under Secretary for Food and Health Bureau, Chui Tak-yi, and council members of the Hong Kong Movement Disorder Society.

Photo credit: Robert Levy Photography

Dr. Goetz distributed the following awards at the Welcome Ceremony and at the Presidential Lectures:

President's Distinguished Service Award:

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

Yoshikuni Mizuno, Japan

Honorary Member Awards:

The Honorary Member Award recognizes individuals who have made extraordinary contributions to the field of Movement Disorders or otherwise to the International Parkinson and Movement Disorder Society (MDS).

Cynthia Comella, USA

Matthew Stern, USA

Stanley Fahn Lecture:

Marie Vidailhet, France

Dystonia or Dystonias: Hybrid Wonder and Mystery

International Congress CONTINUED ON PAGE 13

International Congress CONTINUED FROM PAGE 12

C. David Marsden Lecture:

Eng-King Tan, *Singapore*

3D Human Brain Organoids: Towards a Better Disease Model

Dr. Comella recognized the 2017 LEAP graduates:

MDS LEAP Program Class of 2017:

The MDS LEAP Program provides leadership training to support the growth, development and success of early career movement disorders specialists, while maximizing their contributions to the goals and objectives of MDS. Graduates of the program are recognized here.

MDS-AOS

Mona T. Obaid, *Saudi Arabia*

Hee Kyung Park, *South Korea*

Prashanth LK, *India*

Shinsuke Fujioka, *Japan*

MDS-ES

Maria Fiorella Contarino, *Netherlands*

Hana Brozova, *Czech Republic*

Roberto Erro, *Italy*

Álvaro Sánchez-Ferro, *Spain*

MDS-PAS

Carlos Juri, *Chile*

Sarah Pirio Richardson, *USA*

Thiago Cardoso Vale, *Brazil*

Aparna Wagle Shukla, *USA*

Following the Welcome Ceremony, delegates gathered in the Grand Hall Foyer for light appetizers and a traditional Chinese musical performance.



*Delegates enjoy a quartet of traditional Chinese music.
Photo credit: Robert Levy Photography*

On the evening of Monday, October 8, delegates gathered to watch unique Movement Disorders cases during the 11th Annual MDS Video

Challenge. The event began with a memorable review of last year's Canadian-themed video presentation from the Masters of Ceremony, Anthony Lang and Kapil Sethi. The entertaining introductory portion of the event is available on the MDS YouTube Channel.

The five cases that were presented to the Panel of Experts and the five short cases, Pearls of Wisdom cases and Honorable Mention cases that were shown from the Masters of Ceremony 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: Hugo Morales-Briceño: "GAB transaminase"); the Silver medal was awarded to Samsung Medical Centre, Sungkyunkwan University School of Medicine in South Korea (presented by: Jong Hyeon Aha: "anti-CRMP5 chorea"); and the Bronze medal was awarded to Pacific Parkinson Research Centre, University of British Columbia in Canada (presented by: Michele Maturazzo: "PSEN").



*MDS Video Challenge Masters of Ceremony, Expert Panel, and case presenters.
Photo credit: Robert Levy Photography*

The International Parkinson and 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 MDS Video Challenge.

The Society would also like to extend its gratitude to faculty, supporters, exhibitors and delegates for traveling to Hong Kong and for helping make the 2018 International Congress of Parkinson's Disease and Movement Disorders a tremendous success.

MDS is already planning for the 2019 International Congress in Nice, France, September 22-26, 2019. Please visit the website for details pertaining to all future International Congresses at www.mdscongress.org or contact the International Secretariat at congress@movementdisorders.org.



MDS Education ROADMAP



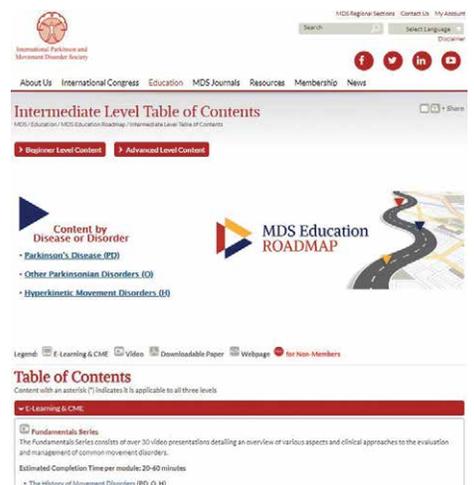
A Brief Tour of the MDS Education Roadmap

— Susan Fox, MRCP (UK), PhD, Toronto Western Hospital, Toronto, ON, Canada; MDS Website Co-Editor
 — Brandon Barton, MD, Rush University Medical Center, Chicago, IL, USA; MDS Website Co-Editor
 — Santiago Perez-Lloret, MD, PhD, University of Buenos Aires, Buenos Aires, Argentina; MDS Website Co-Editor

MDS is dedicated to improving the way visitors use the website when searching educational content. The new Education Roadmap is intended to help navigate the many available educational resources on the MDS website.

These resources include videos, *Movement Disorders* papers and articles, *Movement Disorders Clinical Practice* content, MDS rating scales, CME activities, webcasts, and much more.

The Roadmap assists people of all professional backgrounds in navigating the website, from those completely new to the field to members with extensive experience. Content can be navigated according to three levels of Movement Disorders experience; Beginner, Intermediate, and Advanced.



The number of users who took advantage of E-Learning opportunities in 2018:

- Journal CME: (496)
- Device Aided Medical Therapies: (592)
- Coffee Break CME: (1470)
- Fundamentals: (5362)
- Interactive: (1089)

To use the Roadmap, go to www.movementdisorders.org/roadmap. Then, click on the category that would best fit your needs. Let's say that you clicked on "E-Learning & CME". If you want an update on a given subject, you may, for example, select one item on the "Coffee Break CME" list. You are ready to go in less than five minutes.

The Education Roadmap has been a great success and fulfilled its original goals, conceptualized by MDS Past-President, Oscar Gershanik, during his presidential tenure. We

would like to thank users for their continuous support and invite you to check regularly for updates. In the near future, a "very beginner level" will be added to help those professionals who are in the first steps of a specialization in movement disorders. We will also focus on the needs of distinct groups of healthcare and research professionals, and we will create separate "tracks" for each one of them. Finally, we will continue to update the Education Roadmap with new materials and resources, and welcome your ideas and other feedback.

MDS-Asian and Oceanian Section Letter from the Chair

— Beomseok (BJ) Jeon, MD, PhD, Professor, Seoul National University Hospital, Seoul, South Korea; Chair, MDS-AOS



Dear Colleagues,

In alignment with the goals of the MDS-AOS Strategic Plan for 2018-2020, which are to increase MDS-AOS membership; increase diversity within MDS leadership, committees, and faculty; increase MDS-AOS visibility as a whole of MDS; strategic development of the Middle East through

the Middle East Task Force; and increase educational programs in the MDS-AOS, we are well underway. Here is an overview of the region's activities for the second half of 2018.

2019 AOPMC

The International Parkinson and Movement Disorder Society (MDS) and the MDS Asian and Oceanian Section (MDS-AOS) invite you to attend the 6th Asian and Oceanian Parkinson's Disease and Movement Disorders Congress (AOPMC), April 12-14, 2019 in Hangzhou. Registration and housing are now open. To learn more about the Congress, please visit www.aopmc.org.

2018 Regional Education Courses

The MDS-AOS hosted four regional courses in 2018. The Neuropathology and Neuroimaging in Movement Disorders course, which was held in Seoul, Korea, June 15-16, 2018 had 86 attendees from 14 countries and was met with great success.

The second course was the Osaka Basic Science Summer School, which took place in Osaka, Japan from August 3-4, 2018. This course had 63 students attend, also from 14 countries.

The Neuroimaging Course with 67 participants, took place in Hong Kong on October 4, 2018 before the MDS Congress. The last 2018 MDS-AOS course was the SYNERGIES course held in Seoul, South Korea on November 6-8, 2018 with 16 participants.

Planning is underway for the 2019 regional educational courses.

Outreach Courses

In 2018, the MDS-AOS held four Ambassador Programs in India (2), China, and Jordan; three DWEP courses in Bangladesh, China, and Philippines; one Visiting Professor Program in Nepal; and one Virtual Professor course in Iran.

Membership

The MDS-AOS currently has 2,472 members across 35 countries, representing 29% of MDS. 527 individuals became new members in 2018 and 79% of the current members are renewing members. With 49% of our members being under 40 years old, and 10% residing across the Middle East, we look forward to increasing membership and working with our members to deliver quality education and programming that meets their needs.

Visiting Trainee Grant Program

The 2019 MDS-AOS Visiting Trainee Grant application process is closed as of January 15, 2019. Thank you to everyone who submitted an application.

LEAP Class of 2018

The 2018 LEAP program received over 70 applications with the quality and caliber of the applicants at a very high level. After an extensive review by the LEAP Steering Committee the following individuals were selected as participants to the LEAP Class of 2018 from the MDS-AOS and met in-person during the MDS International Congress in Hong Kong in October:

- Zheyu Xu, Singapore
- Pattamon Panyakaew, Thailand
- Ming-Kai Pan, Taiwan
- Jinyoung Youn, South Korea

Applications for the LEAP Class of 2019 are closed as of December 31, 2018. Applicants will be evaluated by the committee and the final participants will be selected and notified in March 2019.

Thank you for your continued support and interest in the MDS-AOS program initiatives. I look forward to working together with all of you in 2019 to continue our efforts to further develop educational programs and increase membership in the MDS-AOS.

Best regards,

Beomseok (BJ) Jeon
Chair, MDS-AOS

Neuropathology and Neuroimaging of Movement Disorders – Seoul, South Korea, June 15–16, 2018

The Neuropathology and Neuroimaging of Movement Disorders was held in Seoul from June 15-16, 2018 at the Seoul National University Hospital. This was the first course held on neuropathology and neuroimaging for the MDS-AOS and was met with great success.

Organized by course director Han-Joon Kim, this course had 86 registrants, well over the 50 attendees previously projected, and 12 faculty. The registrants represented the following 14 countries: Australia, China, Hong Kong, India, Indonesia, Malaysia, Mongolia, Myanmar, Philippines, South Korea, Sri Lanka, Taiwan, Thailand, and Vietnam.

The course objectives ensured that by the end of the course, participants could:

- Discuss the neuropathologic findings in PD and atypical parkinsonism
- Discuss the role of neuroimaging in differential diagnosis of parkinsonism
- Understand the laboratory findings and clinical findings related to alpha-synuclein pathology

The aim of this course was to provide an educational overview of neuropathology and neuroimaging in movement disorders, especially Parkinson's disease and atypical parkinsonism, through didactic lectures and clinicopathologic case conference. The two-day course covered topics such as pathological findings in CNS and peripheral tissue in PD, alpha-synuclein pathologies in PD and related conditions including prodromal PD, alpha-synuclein propagation hypothesis, pathology of atypical parkinsonism, and the role of neuroimaging in the differential diagnosis of parkinsonism.

Upon conclusion of this course, participants indicated that they would improve and review patient diagnosis more carefully, but also clinical and pathological. As a result of attending the course, participants also felt that the course will help them in teaching internal medicine and neurology residents. The course presentations

widened their understanding of movement disorders, which in turn will help in the diagnosis and management of patients. It was a reminder to be more observant and mindful of patient's symptoms, even the more subtle ones. This will assist with diagnosis and treatment early on.

Thank you to the exceptional Course Director, Han-Joon Kim (Seoul), and faculty, Tae-Beom Ahn (Seoul), Glenda Halliday (Sydney), Eun-Joo Kim (Seoul), Jong-Min Kim (Seoul), Shigeo Murayama (Tokyo), Chul-Ho Sohn (Seoul), Jin Whan Cho (Seoul), Beomseok (BJ) Jeon (Seoul), Young-Eun Kim (Seoul), Jee-Young Lee (Seoul), Sung-Hye Park (Seoul).



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MDS-AOS Basic Science Summer School - Osaka, Japan, August 3-4, 2018

The MDS-AOS Basic Science Summer School in Osaka, Japan on August 3-4, 2018 had 65 participants from 14 different countries. This course sought to promote the next generation of scientists and young clinicians with interest in the latest advances of clinical and preclinical disciplines in Parkinson's disease and movement disorders; to create a common language and generate ideas that will allow development of translational research projects by the next generation researchers in Parkinson's disease and movement disorders. This course attracted young clinicians and scientists focusing on Parkinson's disease and movement disorders in the future.

The course consisted of morning expert lectures and afternoon group discussion sessions. Lectures included scientific topics on faculty research, clinical knowledge of Parkinson's disease and movement disorders, and discussion on how to make an oral presentation. Participants presented their individual research, and were given individual opportunities to interact with the faculty and their peers. All participants had the chance to interact with faculty and peers to discuss basic science and clinical practice of Parkinson's disease and movement disorders during cross talk sessions.

Thank you to the excellent course directors, Hideki Mochizuki (Japan), Shen Yang Lim (Malaysia), Carolyn Sue (Australia), and Osaka University Nakanoshima Center for preparing this exciting educational opportunity.



MDS European Section Letter from the Chair

— Evžen Růžička, MD, DSc, Professor of Neurology, Charles University, Prague, Czech Republic; Chair, MDS-ES



Dear Friends,

Let me begin by congratulating our entire Society on all the successes achieved in 2018.

In the last quarter of 2018, I was particularly proud of the European Section for the abundant attendance of our members at the MDS International Congress in Hong

Kong. All participants appreciated the Congress organizers for their perfect preparation, educational content, and all the opportunities for networking and social events during the congress. Hong Kong was a perfect venue for the Congress, and I only hope that Nice in 2019 will be similarly successful opportunity to become part of the global MDS community.

Let me continue with mentioning MDS-ES educational activities. In 2018, MDS-ES educated approximately 1,500 people at our regional and outreach education courses. The 11 regional education courses educated 586 people, and the four outreach programs educated over 900 participants.

For 2019, we are preparing 12 regional education courses, plus additional outreach education. We will continue to offer the Winter and Summer Schools for Young Neurologists, courses on Deep Brain Stimulation, and Schools for Allied Health colleagues in 2019. We also have some new education courses on Atypical Parkinsonian Syndromes, Prodromal Parkinson's Disease, and Neuroimaging and Neurophysiology of Movement Disorders. The Evidence Based Medicine (EBM) Committee is also presenting a course on applying EBM principles to clinical practice. Visit www.movementdisorders.org/education for a full list of upcoming MDS education.

Preparation is well underway for the years 2020-22. We recently concluded a call for our Winter and Summer Schools for Young Neurologists, and Allied Health Schools such as Physiotherapy, Nursing, and Speech/Swallowing. The selection process is ongoing

and in the coming months, the MDS-ES Education Committee will prepare the proposal, which will then go for approval to the MDS-ES Officers and the MDS-ES Executive Committee.

Regarding the common organization issues of the European Section, MDS dues renewal for 2019 is underway and that inspires a moment of reflection on MDS-ES membership. It should be noted that the number of MDS-ES members decreased in 2018 due to the reorganization of the African region. The African nations previously included in the MDS-ES (Algeria, Egypt, Libya, Morocco, Tunisia, and Seychelles) are transitioning to MDS-Africa and are included in the totals for Africa and not MDS-ES. As MDS continues the process of establishing a formal African Section with leaders in the region, our African colleagues can always be sure of our support and rejoice in their achievements. Still, MDS-ES represents a large number of individual countries (70). Even more than before, it is important that the number of members does not decrease unnecessarily as some of us postpone membership renewal. In addition, the number of young members recruited at our courses, such as young neurologists' schools is increasing. Nearly half of the MDS-European Section members are younger than 40, and many use no-fee membership options, whether Junior, Student, Associate, or Waived Dues. Let me ask all of you to stay with us in 2019.

I write this letter at the very end of 2018 and you will be reading it at the beginning of 2019. Let me therefore congratulate you for your interest in movement disorders and thank you for your active contribution to our achievements. Finally, let me thank the MDS-ES Officers, the MDS-ES Executive and Education Committees, and the MDS Secretariat for their constant endeavor, and let me wish all of you all the best in 2019.

Yours,

Evžen Růžička, MD, DSc
Chair, MDS-ES

7th MDS-ES Winter School for Young Neurologists - Bordeaux, France, February 2-4, 2018

The 7th MDS-ES Winter School for Young Neurologists was held February 2-4, 2018 in Bordeaux, France. This school was attended by 47 participants from 26 different countries within the European Section and Africa.

The course was directed by Wassilios Meissner and held at the University Hospital Bordeaux, Institute of Neurodegenerative Disorders University Bordeaux.

The course objectives ensured that by the end of the course, participants could 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, design, review and modify a patient treatment plan, and present a movement disorders case history.

This three-day course provided a thorough overview of diagnosis and treatment of movement disorders with specific lecture and discussion sessions on parkinsonism, hyperkinetic movement disorders and complex issues in movement disorders. Participants also had two afternoons of clinical examination rounds to participate in clinical examinations of patients with movement disorders in a small group with a dedicated faculty mentor.

Upon conclusion of this course participants indicated that they would provide closer attention to motor signs during the clinical examinations, provide additional attention to patients in clinical setting, and to expand their differential diagnosis

The major strength of this activity as identified by the course participants was consistent with most of the Schools for Young Neurologists. The learners appreciated the hands on demonstrations involved with the clinical examination of patients with movement disorders, small group interaction with faculty and the video examples throughout the lectures and the video dinner.

Thank you to the exceptional course faculty: Angelo Antonini (Padua, Italy), Kailash Bhatia (London, United Kingdom), Joaquim Ferreira (Torres Vedras, Portugal), Cyril Goizet (Bordeaux, France), Dominique Guehl (Bordeaux, France), Tove Henriksen (Copenhagen, Denmark), Elena Moro (Grenoble, France), Maria Rodriguez-Oroz (San Sebastian, Spain), Evžen Růžička (Prague, Czech Republic), Pille Taba (Tartu, Estonia), François Tison (Bordeaux, France), Marie Vidailhet (Paris, France), and course director, Wassilios Meissner (Bordeaux, France).



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Chorea and Related Disorders – Nobel Tower, Poznan, Poland, May 25–26, 2018

Thanks to the partnership of the European Huntington's Disease Network (EHDN), Chorea and Related Disorders became the first MDS education course to be held in Poland taking place at the Nobel Tower in picturesque Poznan, Poland. As chorea is a symptom of various movement disorders and caused by a wide range of etiologies, this course focused on the challenge of diagnosing chorea. The current results and experiences were reviewed from the basic science and clinical point of view involving the most relevant clinical aspects of Huntington's disease and other disorders associated with chorea.

This course brought together 43 participants from 14 countries and 15 faculty members to focus on the possible medication therapy for Huntington's disease and Parkinson's disease-related dyskinesia and discussed the neurosurgical procedures with emphasis on deep brain stimulation. Participants and faculty were encouraged to engage in open discussion, not only following each lecture but outside the classroom at the networking dinner. Over the two day course, emerging treatments for Huntington's disease and other causes of chorea were discussed alongside video case presentations to further involve faculty and participants in interactive discussions on the phenomenology and differential diagnostic approaches

to challenging chorea cases. Course participants received Polish Continuing Medical Education (CME) through the Department of Hygiene of the Chair of the Social Medicine of the Poznan University Medical Sciences.

Overall the participant feedback was positive with many finding the breadth of knowledge expressed by faculty in relation to movement disorder topics to be the highlight of this activity. Participants also appreciated the time management involved with the course which allowed ample time for engaging question and answer sessions following each presentation.

Thank you to the outstanding course directors, Jean-Marc Burgunder (Switzerland), Matej Skorvanek (Slovakia) and Daniel Zielonka (Poland); and the exceptional international faculty: Adrian Danek (Germany), David Craufurd (United Kingdom), Petr Dusek (Czech Republic), Tove Henriksen (Copenhagen); G. Bernhard Landwehrmeyer (Germany); Jan Lewerenz (Germany); Michal Mielcarek (United Kingdom); Pille Taba (Estonia); Algirdas Utkus (Lithuania); and Jan Vesper (Germany); and the esteemed local faculty from Poland, Jolanta Florczak-Wyspiańska, Joanna Siuda and Grzegorz Witkowski.

11th MDS-ES Summer School for Young Neurologists – Copenhagen, Denmark, June 6–8, 2018

The 11th MDS-European Section Summer School for Young Neurologists held in Copenhagen, Denmark was an opportunity for young neurologists who are interested in specializing in Movement Disorders to receive in-depth instruction from internationally recognized Movement Disorder experts. Students attended large lectures, participated in panel discussions, had the opportunity to examine patients with movement disorders, and engaged in a differential diagnosis with the course faculty. Students presented their own case-study videos to small groups for discussion and critique, and were involved in group presentations and case discussions. Topics focused on parkinsonism, hyperkinetic disorders and complex issues in movement disorders. This course was intended for young neurologists within five years of their completion of general neurological training who are interested in specializing in movement disorders and young neurologists who are already enrolled in Movement Disorder training.

Upon conclusion of this course, participants indicated that they would change the way they approached diagnosing patients with movement disorders. They communicated that their enhanced diagnostic ability will be applied to non-motor scales in PD patients. Lastly, they indicated that they will now more carefully assess tremor. Overall, the course provided them with a much better neurological examination and new approach to functional disorders.

A major strength of this activity was that it presented a deeper understanding of movement disorders and especially the uncommon movement disorders. The learners appreciated the clinical rounds with patients which provided them additional practice to be self-confident and professional with evaluations of patient complaints and symptoms. The young neurologists also enjoyed the opportunity to network with the faculty during the dinner.

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Thank you to Tove Henriksen for her work as course director, and to the exceptional international faculty, K. Ray Chaudhuri (United Kingdom); Mark Edwards (United Kingdom); Joaquim Ferreira (Portugal), Marina de Koning-Tijssen (Netherlands), Werner Poewe

(Austria); Pille Taba (Estonia); Marie Vidailhet (France); and the esteemed local Copenhagen faculty, Susana Aznar, Heidi Biernat, Anne-Mette Hejl, Lena Hjermind, Annemette Løkkegaard, Skirmante Mardosiene, and Hartwig Roman Siebner.

MDS-ES Infusion Therapies for Advanced Parkinson's Disease: Team Management – Tallin, Estonia, June 28–29, 2018

The MDS-ES Infusion Therapies for Parkinson's Disease: Team Management course held June 28-29, 2018 was prepared to bridge the knowledge gap on theoretical and practical aspects of continuing dopaminergic therapies from the physician and nursing perspectives. This two day course focused on both apomorphine injections and infusion, and intrajejunal levodopa infusion took place at the Meriton Hotel in historic Tallinn, Estonia. Located a short walk from Tallinn's old town, this Infusion Therapies course included lectures on management of motor complications in advanced Parkinson's disease; indications and contraindications for infusion therapies, patient selection, adverse events and complications. Splitting participants in two groups for dual lectures and breakouts, this course allowed for specialized training for nurses and physicians on day one. On day two these dual interactive workshops became mixed with physicians and nurses together and focused on practical management of pumps, dosing details, and live patient demonstrations. By dividing the course into these breakout groups it allowed participants to discuss the use of infusion therapies from a nursing and physician perspective.

Overall the participants felt that the speakers were very knowledgeable and engaging on the topics presented allowing for more understanding of these therapies from a nursing and physician perspective. Participants especially endorsed the use of patient rounds which provided them with a greater comprehension of the effects of infusion therapies on patients and best practices for interaction. Many participants also intend to promote pump therapy as an alternative therapeutic to current practice in their country

Thank you to the excellent course directors, Pille Taba (Estonia), Toomas Toomsoo (Estonia) and Angelo Antonini (Italy) for preparing this exciting educational opportunity. Additional appreciation is expressed for the esteemed international faculty, K. Ray Chaudhuri and Miriam Parry (United Kingdom); Tove Henriksen (Denmark); Regina Katzenschlager (Austria). Per Odin (Sweden), plus the outstanding faculty from Estonia: Külli Davel, Ülle Krikmann, and Thomas Zimmerer.

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2nd Speech and Swallowing in Parkinson's Disease School - Queen Square, London, United Kingdom, July 6-7, 2018

The 2nd MDS-ES Speech and Swallowing in Parkinson's Disease School was prepared to provide an opportunity for speech therapists and other health professionals to stay informed on the clinical aspects of Parkinsonism, as well as to provide the most recent knowledge about clinical management of dysarthria in Parkinson's disease. During the school, esteemed course faculty provided recommendations while educating students, clinicians and researchers in order to improve their understanding of speech impairment in PD as a multidimensional, multidisciplinary and multiparametric symptom.

The school took place over two days at the Queen Square Lecture Theater with lectures given by faculty from around the world. Day one's morning lecture topics covered atypical parkinsonism and the variability of speech symptoms, followed by a lecture on communication changes through the disease process from the patient's perspective and lectures on how to study these changes and dissect speech impairment. The afternoon provided an opportunity for small group speech assessment and treatment workshops. The end of the day covered the pharmacological and surgical treatments for PD and their effects on speech.

Lectures continued on the final day of the course with content on the neurophysiology of swallowing in PD, assessing swallowing function in PD, treating swallowing discords in PD, and saliva production and management options. In the afternoon, participants experienced a video fluoroscopy workshop and a virtual expiratory muscle strength training workshop. The remaining lectures discussed the various technologies used for enhancing the clinical practice. To wrap up the final day, a novel topic was presented upon regarding the non-motor symptoms in speech and swallowing rehabilitation.

Overall, the participants and faculty were exceptionally pleased with the course. Many expressed interest in attending another Speech School in the future. The next Speech and Swallowing in Parkinson's Disease School will take place July 26-27, 2019 in Prague, Czech Republic.

Thank you to Elina Tripoliti and Patricia Limousin for service as course directors. Thank you to the esteemed international faculty, Dimitrios Fotiadis (Greece), Cynthia Fox (USA), Hanneke Kalf (Netherlands), Serge Pinto (France), Lorraine Ramig (USA), Jan Ruzs (Czech Republic), Christine Sapienza (USA) and Erika Schalling (Sweden). Thank you as well to the excellent local United Kingdom faculty, Guy Carpenter, Matthew Eagles, Thomas Foltynie, Tim Grover, Sue McGowan, and Huw Morris.

MDS-ES 2nd Summer School on Neuromodulation for Movement Disorders - Würzburg, Germany, September 6-8, 2018

The MDS-ES 2nd Summer School on Neuromodulation for Movement Disorders was held in Würzburg, Germany from September 6-8, 2018, and attended by 34 participants from 18 countries.

The course was co-directed by Jens Volkmann and Elena Moro and took place at Burkhardshaus in the center of Würzburg.

The course objectives ensured that by the end of the course, participants would be able to: provide an overview of surgery for movement disorders patients, including mechanisms of action, basics in surgical techniques and intraoperative microrecording; understand the criteria and the available tools for selection for DBS surgery in movement disorders patients; discuss the different outcomes of DBS in movement disorders patients; be familiar with the bases of DBS programming in the different movement disorders; and understand how to manage the most common side effects of

DBS and medication in the short- and long-term follow-up using a multidisciplinary approach.

Participants were able to receive an overview on all aspects of neuromodulation from surgery for Parkinson's disease, dystonia, tremor, and children with movement disorders to troubleshooting, patient selection, and long term care application. The interactive afternoon sessions gave students the unique opportunity to participate in small group imaging workshops on topics from stereotactic targeting, postoperative verification of lead location, volume of tissue activation models, connectome analysis, and functional imaging studies. Hands-on education areas included patient examinations where students could evaluate and review DBS settings in live patients; opportunity for device familiarization during the device workshops, and opportunity for video case presentation and discussion.

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MDS-ES Section *CONTINUED FROM PAGE 22*

The course evaluation feedback revealed that the summer school was very well organized and that the topics covered all important aspects of DBS and were presented by high quality speakers. Additionally, students enjoyed the interactive afternoon workshops – including the simulation, and the case study component which allowed for discussion amongst their international colleagues.

Thank you to the outstanding course faculty who delivered exceptional presentations and created interactive workshops with dynamic conversations: Laura Cif (France); Ines Debove (Switzerland), Andreas Horn (Germany), Ioannis Isaisa (Germany), Andrea Kühn (Germany); Cordula Matthies (Germany); Martin Reich (Germany); Inger Marie Skogseid (Norway); Frank Steigerwald (Germany); Lars Timmermann (Germany); Francesc Valldeoriola (Spain); and Chi Wang Ip (Germany). We would also like to provide additional appreciation for the Course Directors: Jens Volkmann (Germany) and Elena Moro (France).



MDS-ES Basic Neuroscience of Movement Disorders - Stockholm, Sweden; September 14-15, 2018

The overall aim of the MDS-ES Basic Neuroscience of Movement Disorders course was to teach young research-oriented neurologists and neuroscientists about fundamental mechanisms underlying movement disorders. The course participants learned about clinical and genetic characteristics, preclinical models and pathophysiological foundations of movement disorders and their therapies. A key goal was to update clinical neurologists and neuroscientists on the forefront and the latest developments of research of movement disorders. The course engaged young neurologists and neuroscientists into research on Movement Disorders and promoted translational research involving multidisciplinary approaches.

The course took place over two days at the Nobel Forum on the Karolinska Institutet, Solna Campus in Stockholm, Sweden and consisted of lectures given by faculty from around the world. Day one's morning lecture topics covered clinical aspects, genetics, and molecular mechanisms of Parkinson's disease, followed by a lecture on alpha-synuclein aggregation and propagation. The afternoon provided lectures on basal ganglia circuitry and plasticity, imaging, and pharmacological therapies and drug development in Parkinson's disease. Additional lectures were given on neurosurgical approaches and restorative therapies in Parkinson's disease. At the conclusion of day one, the faculty participated in a panel discussion on basic science questions on pathophysiology and how it translates to the human situation.



Photo taken outside the Nobel Forum prior to the course dinner.

A cocktail reception with exhibitors was hosted in the Atrium of the Nobel Forum after lectures concluded on day one. Participants and faculty had the opportunity to network with one another before walking to the course dinner at the restaurant Svarta Räfven.

Lectures continued on the final day of the course with content on the genetic aspects of dystonia and ataxias, the molecular basis of Huntington's disease, and gene therapies for movement disorders. To wrap up the final day, the faculty participated in a second panel discussion on basic science questions on how to advance translation in dystonia, Huntington's disease and ataxias.

The participants and faculty were exceptionally pleased with the organization and content of the program. Many expressed interest in attending another MDS course on basic science in the future.

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Thank you to Course Director, Per Svenningsson for his outstanding organization of this program, and to the exceptional course faculty, Per Almqvist (Stockholm, Sweden), Erwan Bezar (Bordeaux, France), Anders Björklund (Lund, Sweden), Vincenzo Bonifati (Rotterdam, Netherlands), Angela Cenci Nilsson (Lund, Sweden), Jean-Christophe Corvol (Paris, France), Martin Paucar (Stockholm, Sweden), Edvard

Smith (Stockholm, Sweden), Maria Grazia Spillantini (Cambridge, United Kingdom), Andrea Varrone (Stockholm, Sweden) and Georgia Xiromerisiou (Larissa, Greece). We would also like to thank the local session chairs, Anders Johansson, Jose Laffita, and Karin Wirdefeldt for their service.

MDS-ES Physiotherapy Summer School – Torres Vedras, Portugal, September 14–16, 2018

The 2018 Physiotherapy Summer School was a three-day course aimed at qualified physiotherapists who specialize in treating patients with Parkinson's disease or atypical Parkinsonism. Hailing from 19 countries, the 30 participants trained at the Campus Neurológico Sénior (CNS) which overlooks the scenic village of Torres Vedras, Portugal. At the course, the participants focused on improving their evaluation, clinical reasoning, and treatment skills in order to optimize the delivery of exercise programs for patients with Parkinson's disease and related disorders. Introducing the physiotherapists to the clinician and research aspects of PD, then going beyond the lectures. This highly interactive course broke participants into small groups for rounds of direct patient interaction and for case study discussions from participants own practices. To foster further networking and collaboration between participants and faculty, all attended a breathtaking networking dinner at the oceanfront Noah restaurant in Santa Cruz. Rounding out their educational experience, the Summer School utilized CNS's unique facility to showcase real therapy examples. At CNS's gym they participated in demonstrations on how boxing can be utilized to engage PD patients, and in the pool were introduced to a variety of water exercises aimed at those with movement disorders.

The participants felt that the speakers were very knowledgeable and engaging on the topics presented allowing for more understanding of the scientific background of movement disorders from different perspectives (physiotherapists, nursing, neurologists, and speech therapists). Additionally, most chose the practical workshops with patients and the physiotherapists as the highlight of the course with most finding aspects of those demonstrations could be applied to their own practices. Pointing out that they would use the new physiotherapeutic techniques learned at the practical workshops in their own practices. In particular several of the participants wished to introduce boxing into their therapy routine, as a way to further engage patients.

Thank you to the excellent course director, Joaquim Ferreira (Portugal) and to CNS for preparing this exciting educational opportunity. Additional appreciation is expressed for the esteemed international faculty, Giuseppe Frazzitta and Margherita Fonsato (Italy); Carolien Strouwen (Belgium); Georg Ebersbach (Germany), Ota Gál (Czech Republic), Maarten Nijkrake and Marlies van Nimwegen (Netherlands) plus the outstanding faculty from Portugal: Miguel Coelho, Daniela Guerreiro, Verónica Caniça, Rita Cardoso, Pedro Nunes, Raquel Nunes, Francisco Queimado, and Alexandra Saúde.



MDS–Pan American Section Letter from the Chair

— Henrique B. Ferraz, MD, Professor of Neurology at the Federal University of São Paulo, São Paulo, Brazil; MDS-PAS Chair



Dear Colleagues,

I cannot believe that we have concluded the last of the 2018 educational activities. The regional courses held so far have been successful in educating over 1,400 professionals in topics that are in line with our strategically goals. Our outreach programs hosted by MDS members, in

underserved countries, have also been a great avenue in educating even more professionals in our region. We are already planning the 2019 educational offerings. Thank you to everyone for their contribution to our regional and outreach courses.

Visiting Trainee Grant

We are pleased to announce that Daniel Vargas of the National Institute of Medical Science and Nutrition Salvador Zubiran, Mexico City, Mexico has been awarded a one year Clinical Visiting Trainee Grant to the University of Miami/Miller School of Medicine, Miami, FL, USA under the guidance of Dr. Corneliu Luca, MD, PhD. We wish Dr. Vargas the best during his training and look forward to hearing about his experience.

New Regional Committee Role

The MDS-PAS Executive Committee has approved the proposal of the MDS-PAS Chairs to appoint an MDS-PAS Education Committee Co-Chair position. Over the past four years the number of courses in the Pan American region has increased by 55% and the MDS-PAS Education Committee has taken on more projects, in relation to the MDS-PAS strategic plan and continues working ongoing projects. The Co-Chair for the MDS-PAS Education Committee will share responsibilities with the MDS-PAS Education Committee Chair and assure continuity and smooth term transition. The term of Co-Chair will align with the current committee term of two years, to end

at the MDS International Congress. The appointment to MDS-PAS Education Committee Chair will be based on performance as Co-Chair, with the potential for a two year term as Chair. Term as Chair may be renewable for an additional two years.

We are pleased to announce that Dr. Tiago Mestre from Ottawa, ON, Canada was selected and accepted the role of co-chair. Dr. Mestre is currently a member of the MDS-PAS Education Committee. Congratulations to Dr. Mestre!

3rd PAS Congress

We are pleased to announce that the 3rd PAS Congress will be held in Miami, FL, USA on February 14-16, 2020. As not to conflict with the AOPMC, MDS International Congresses and other major meetings, the PAS Congress will be held every even year, therefore the 4th PAS Congress will be held in 2022. The location of future PAS Congresses will be in discussion. We hope that you can join us in Miami in 2020.

2019 Elections

We are preparing for the 2019 elections. The MDS-PAS Nominating Committee will prepare a slate of nominees for the follow positions: Chair-Elect; Secretary-Elect; Treasurer-Elect; Five members for the MDS-Pan American Section Executive Committee.

In May 2019, the slate of nominees will be shared with MDS-PAS membership and final voting will be held at the MDS Congress in Nice, France; September 22, 2019, during the Regional Assembly. We hope to see you in Nice.

Our Society and Regional success is due to the dedication and commitment of our wonderful members, and for that we thank you.

Sincerely,

Henrique B. Ferraz, MD
Chair, MDS-PAS

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Allied Team Training for Parkinson's™ (ATTP) – Vancouver, BC, Canada; April 4–6, 2018

The Allied Team Training for Parkinson's (ATTP™) was held in Vancouver, BC, Canada on April 4-6, 2018. Attendees included 98 active participants from Canada and the United States. All had the same vision: to learn about the management of medications, the care challenges in Parkinson's disease, the state-of-the-art care that can make a difference between satisfaction and despair for patients and their caregivers and the staff providing the care.

This course was developed in collaboration with the International Parkinson and Movement Disorder Society Pan American Section (MDS-PAS), and the Parkinson's Foundation. The course was held to increase knowledge of Parkinson's disease and build capacity for comprehensive inter-professional care in the treatment of PD.

The three-day course was taught by an interdisciplinary faculty of Parkinson's Foundation and MDS-PAS senior movement disorder specialists.

The participants were educated through large group lectures, discipline specific breakout sessions, interactive team building exercises and also had the opportunity to hear from patients living with early, mid and advance stage Parkinson's disease. The live patient consultations, with a doctor, along with the perspective of a Physical Therapist, Occupational Therapist and Social Worker, provided a platform for attendees to listen and learn what can occur during an actual consultation, in a team approach. Some of the patients brought their caregiver and the stories and experiences shared by both were invaluable.

Parkinson Canada graciously sponsored a social dinner that included patients, caregivers, attendees and course faculty sharing a special night together. There was an art exhibit, "Hope on Display 2018: Creativity and Parkinson's", that presented poems, paintings and photographs, provided by some patients and their caregivers. The exhibit was very moving and showed a part of those living and/or caring for a person living with Parkinson's disease in a different light, a creative light.

We are pleased with the success of this course and thank all involved in making this a memorable event.

Thank you to the course co- directors, Ruth Hagestuen, RN, MA, Parkinson's Foundation, Irene Litvan, MD, FAAN, FANA, University of California San Diego and Elaine Book, MSW, RSW, Pacific Parkinson's Research Center, University of British Columbia, for their dedication and many months of work to bring this course to fruition.

Thank you to the course faculty for their enthusiasm and commitment to continuing education in Parkinson's disease:

- Silke Appel-Cresswell, MD, Pacific Parkinson's Research Centre, PF Center of Excellence
- Gila Bronner, MPH, MSW, CST, Director, Sex Therapy Service, Sheba Medical Center, Israel
- Julie Carter, RN, MS, ANP, Oregon Health and Science University
- Heather Cianci, PT, MS, GCS, Pennsylvania Hospital
- Darla Freeman, MA, CCC-SLP, Florida ENT & Allergy
- Jennifer G. Goldman, MD, MS, Rush University Medical Center
- Denise Kornegay, MSW, Medical College of Georgia at Augusta University
- Lucie LaChance, RN, BSc, MSc, The Montréal Neurological Institute and Hospital
- Jon Stoessl, CM, MD, FRCPC, Pacific Parkinson's Research Centre – UBC
- Julia Wood, MOT, OTR/L, Pennsylvania Hospital

Participant Feedback

At the conclusion of the course, participants were asked what they would change about their professional or clinical practice and how their patients will benefit as a result of their participation in this activity. A few responses:

"Apply the specific examples provided in the breakout sessions and taking into consideration the caregiver impact of the disease."

"As a team, we have more resources to move forward in progressing the interdisciplinary model/approach."

"Be in better contact with Drs. Neurologists, PT, OT, SLP and advocating for Caregivers."

"Reinforcement of the allied health professional's referrals for our newly diagnosed. Trying to increase education services delivered to our PD population, especially those that are living in rural areas."

Acknowledgments

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While our generous sponsors make our educational offering possible, their support did not influence content, perspective or panelist selection.

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9th MDS-PAS School for Young Neurologists – Ann Arbor, MI, USA; May 10–12, 2018

The 9th Pan American School for Young Neurologists was held at the University of Michigan in Ann Arbor, MI, USA. The course was attended by a range of students at various stages in their careers, comprising of mostly movement disorders fellows, neurology residents, as well as a nurse practitioner and a neuropathology resident. The School for Young Neurologists spanned three days and comprised of lectures, patient examination rounds and question and answer sessions.

The first day of the course was dedicated to lectures on Parkinsonian disorders which included an overview of phenomenology and Parkinson's disease, followed by lectures on the management of symptoms, surgical and non-motor symptom management. The afternoon consisted of three small group patient examination rounds. The small-sized groups provided all participants with the opportunity to deliver the examinations first hand. Participant evaluations cited that this was a major strength of the course.

Lectures continued on the second day of the course with content on miscellaneous movement disorders. Lecture topics included essential tremor, Huntington's disease and other chorea, dystonia, ataxia, Tourette syndrome, restless legs syndrome, and myoclonus. The afternoon was again spent with another three patients of varying movement disorders. The day ended with a Video Dinner with cases presented by two faculty members. These cases triggered much discussion among participants and faculty.



On the last day of the course, one final lecture was given which provided participants with an abundance of resources available to them through MDS and various other avenues. The course concluded with participants having the opportunity to present a case of an interesting movement disorders patient with a known diagnosis. After all presentations were given, participants and faculty voted on the best presentation. The top presentation was awarded with a complimentary registration to the 2019 MDS International Congress in Hong Kong.

Overall, the participants and faculty were exceptionally pleased with the course.

Come Join Us

IMPORTANT DATES

July 18, 2019:
Early Registration Deadline

August 22, 2019:
Final Pre-Registration Deadline



International Parkinson and
Movement Disorder Society

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