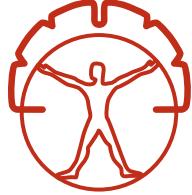


Guided Poster Tour Abstract Listing



International Parkinson and
Movement Disorder Society

MDS *Virtual* *Congress* 2020

SEPTEMBER 12–SEPTEMBER 16

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MDS Virtual Congress 2020 Guided Poster Tour Listing

GPT 1: Atypical parkinsonism, MSA, PSP, CBD

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Laryngeal movement disorders as a potential clinical biomarker in multiple system atrophy: Results from the LaPD study

F. Gandor, A. Vogel, I. Claus, S. Ahring, D. Gruber, H.J. Heinze, R. Dziewas, G. Ebersbach, T. Warnecke (Movement Disorders Hospital)

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Towards a scoring system to distinguish early parkinsonian variant of multiple system atrophy from Parkinson's disease

P. Millar Vernetta, J.A. Palma, L. Norcliffe-Kaufmann, M. Pérez, A. Fanciulli, F. Krismer, W. Singer, P. Low, M.T. Pellecchia, H.J. Kim, C. Shibao, A. Peltier, I. Biaggioni, M.J. Martí, C. Terroba-Chambi, M. Merello, D. Goldstein, R. Freeman, C. Gibbons, S. Vernino, G. Wenning, H. Kaufmann (NYU School of Medicine)

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Clinical profile and cerebral metabolic characteristic of cognitive impairments in multiple system atrophy

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L.Y. Zhang, B. Cao, Q.Q. Wei, R.W. Ou, H.F. Shang (West China Hospital, Sichuan University)

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Cognitive Differences Between Men and Women with Progressive Supranuclear Palsy

E. Bayram, J. Jankovic, S. Reich, C. Marras, Y. Bordelon, D. Shprecher, R. Dubinsky, I. Litvan (University of California San Diego)

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The severity and distribution of tau pathology distinguish corticobasal degeneration and progressive supranuclear palsy

S. Koga, N. Ghayal, S. Roemer, D. Dickson (Mayo Clinic)

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Can we stage tau pathology in PSP?

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Chromogranin B in cerebrospinal fluid as a novel biomarker for Progressive supranuclear palsy

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Allogeneic bone marrow-derived mesenchymal stem cells safety and tolerability in idiopathic Parkinson's disease

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R. Dobkin, S. Mann, K. Rodriguez, L. St. Hill, R. Miller, A. King, M. Gara, A. Interian (Rutgers-Robert Wood Johnson Medical School)

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J. Parmera, A. Coutinho, A. Neto, C. Ono, M. Aranha, C. Buchpiguel, R. Nitrini, E. Barbosa, S. Brucki (University of São Paulo School of Medicine)

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Blood alpha-synuclein profile and lysosomal alterations distinguish GBA1-related Parkinson's disease from sporadic Parkinson's disease

M.A. Avenali, S.C. Cerri, G.O. Ongari, C.P. Pacchetti, C.T. Tassorelli, EM.V. Valente, F.B. Blandini (Department of Brain and Behavioural Sciences, University of Pavia; Neurorehabilitation Unit, IRCCS Mondino Foundation)

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The First-Ever CNV Analysis in Latin American Parkinson's Disease Patients

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The ROPAD (Rostock International Parkinson's Disease Study) study: Towards defining the genetic epidemiology of the disease

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Multiplex biomarker discovery for diagnostic and progression markers for Parkinson's disease with the proximity extension assay technology on inflammation-related analytes

M. Bartl, M. Dakna, S. Schade, B. Otte, C. Trenkwalder, B. Mollenhauer (University Medical Centre Goettingen)

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K. Jewett, R. Thomas, C. Phan, G. Milstein, S. Yu, L. Pallanck, M. Davis (University of Washington)

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Auxilin knockout mice: a model for Parkinsonism with dopamine dysregulation and synucleinopathy

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Intrastriatal injection of alpha-synuclein preformed fibrils results in cognitive dysfunction and L-DOPA reversible sensorimotor impairments in rats

S. Fleming, J. Patterson, L. Yan, C. Kemp, K. Miller, A. Stoll, M. Duffy, D. Herman, J. Lipton, K. Luk, J. Goudreau, C. Sortwell (Northeast Ohio Medical University)

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T. Koeglsperger, Y. Tan, C. Sgobio, T. Arzberger, F. Machleid, Q. Tang, E. Findeiss, J. Tost, T. Chakroun, P. Gao, M. Höllerhage, K. Bötzl, J. Herms, G. Höglinder (German Center for Neurodegenerative Diseases (DZNE))

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E. Kozina, M. Byrne, L. Oakley, R. Smeyne (Jefferson Hospital for Neuroscience, Thomas Jefferson University)

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D. Narendra, Y. Liu, X. Huang, D. Nguyen, M. Shammas, B. Wu, E. Dombi, D. Springer, J. Poulton, S. Sekine (National Institute of Neurologic Disorders and Stroke)

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C.E.J. Doppler, E. Farrher, C. Régio Brambilla, C.P. Filss, J. Lindemeyer, A. Gogishvili, B. Neumaier, M.T. Barbe, I. Neuner, C. Lerche, N.J. Shah, K.J. Langen, G.R. Fink, M. Sommerauer (Research Centre Jülich)

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Noradrenergic terminal and locus coeruleus cell loss may be uncoupled in Parkinson's disease - a PET and MRI multi-modal imaging study

M. Kinnerup, C. Doppler, E. Farrher, T. Fedorova, J. Schaldemose, K. Knudsen, R. Isamail, A. Hansen, K. Stær, G. Fink, J. Shah, D. Brooks, A. Nahimi, P. Borghammer, M. Sommerauer (Aarhus University Hospital)

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Graph theory analysis of dopamine D2 receptor network in Parkinson's disease patients

A. Mihaescu, J. Kim, S. Cho, M. Diez-Cirarda, M. Valli, Y. Koshimori, A. Strafella (Centre for Addiction and Mental Health)

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M. Morrison, A. Lee, S. Wang, A. Martin, I. Bledsoe, J. Ostrem, P. Larson, P. Starr, D. Wang (University of California San Francisco)

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Parkinson's Disease Exhibits Longitudinal Increases in beta-Amyloid in the Striatum and Cingulate Gyrus

J. O'Donnell, Y. Zhou, M. Campbell, B. Maiti, J. Perlmutter (Washington University School of Medicine)

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Passive monitored daily motor behavior significantly relates to quality of life in early Parkinson's disease

A. Thomann, K. Taylor, F. Lipsmeier, E. Volkova-Volkmar, R. Postuma, W.Y. Cheng, B. van Lier, D. Trundell, W. Zago, A. Boulay, G. Pagano, C. Gossens, M. Lindemann (Roche Pharma Research and Early Development, pRED Informatics, Pharmaceutical Sciences, Clinical Pharmacology, and Neuroscience, and Rare Diseases Discovery and Translational Area, Roche Innovation Center Basel, F. Hoffmann-La Roche Ltd.)

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What Matters Most to Individuals with Parkinson's Disease: Results from Qualitative Interviews

A. Arky, C. Zizzi, E.R. Dorsey, C. Heatwole (*University of Rochester*)

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Determinants of quality of life in a large, online cohort of patients with Parkinson's disease

M. Bock, E. Brown, C. Tanner (*University of California, San Francisco*)

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Patients' perspectives on shared decision-making in Parkinson's disease

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Quantifying the incremental burden of advancing Parkinson's disease in patients meeting the "5-2-1" Criteria: Results from an international dataset from G7 countries

I. Malaty, M. Skorvanek, A. Alabaidi, K. Onuk, L. Bergmann, S. Femia, M. Lee, E. Jones, J. Pike, P. Martinez-Martin (*University of Florida*)

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Concerns in patients with Parkinson's disease in China: A content analysis of data from social listening

Y. Qian, X. Yang, S. Xu, X. He, Y. Zhang, C. Mo, Q. Xiao (*Ruijin Hospital, Shanghai Jiao Tong University School of Medicine*)

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Health care provision and health related quality of life in late stage Parkinson's disease

K. Rosqvist, P. Odin, A. Schrag (*Lund University*)

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Loneliness/Social Isolation as a Risk Factor for Worsened Parkinson Disease Severity

I. Subramanian, L. Mischley, J. Farahnik (*UCLA*)

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The Care Partner Perspective: Most Challenging Parkinson's Symptoms

A. Wallis, D. Perret (*Parkinson's Foundation*)

Guided Poster Tour 12: Surgical Therapy

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Efficacy of unilateral thalamotomy by MRgFUS in essential tremor and Parkinson's disease in a large cohort of patients

M.C. Rodríguez Oroz, O. Parras, A. Gorospe, I. Aviles, P. Manrique, L. Gonzalez, J. Guridi (*Clinica Universidad de Navarra*)

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Directional versus Omnidirectional Deep Brain Stimulation: Results of a Multicenter Prospective Blinded Crossover Study

A. Schnitzler, P. Mir, M.A. Brodsky, L. Verhagen, S. Groppa, R. Alvarez, A. Evans, M. Blazquez, S. Nagel, W. Libionka, J. Pilitsis, M. Pötter-Nerger, W. Tse, L. Almeida, N. Tomycz, J. Jimenez-Shahed, F. Carrillo, C.J. Hartmann, S.J. Groiss, F. Defresne, E. Karst, B. Cheoran, J. Vesper (*Heinrich Heine University of Düsseldorf*)

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Cortical network fingerprint and prediction of deep brain stimulation-induced speech impairment in essential tremor

J.N. Petry-Schmelzer, H. Jergas, T. Thies, J. Steffen, P. Reker, H. Dafsari, D. Mücke, G. Fink, V. Visser-Vandewalle, T. Dembek, M. Barbe (University of Cologne, Faculty of Medicine and University Hospital Cologne)

1342

When and how to stop subthalamic deep brain stimulation in late-stage Parkinson's disease

M. Fabbri, M. Zibetti, m. Rizzone, G. Giannini, L. Borellini, A. Stefani, F. Bove, A. Bruno, G. Calandra-buonaura, N. Modugno, C. Piano, A. Peppe, G. Ardolino, A. Romagnolo, C. Artusi, P. Berchialla, E. Montanaro, P. Cortelli, L. Romito, R. Eleopra, B. Minafra, C. Pacchetti, L. Lopiano

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Modulation of Basal Ganglia and Internal Capsule Fiber Tracts During Deep Brain Stimulation for Tourette Syndrome

K. Johnson, T. Foltynie, M. Hariz, L. Zrinzo, E. Joyce, Z. Kefalopoulou, P. Limousin, H. Akram, D. Servello, A. Bona, M. Porta, J.-G. Zhang, F.-G. Meng, Z. Ling, X. Xu, X. Yu, A. Leentjens, A. Smeets, L. Ackermans, L. Almeida, A. Gunduz, W. Hu, K. Foote, M. Okun, C. Butson (University of Utah)

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Quantitative study of the effect of thalamotomy by MRgFUS in the different types and locations of tremor in the contralateral upper limb

P. Manrique-de-Lara, J.A. Martin, I. Aviles, A. Gorospe, J. Guridi, L. Gonzalez, M. Alegre, G. Besne, M.C. Rodriguez-Oroz (CUN)

Guided Poster Tour 13: Technology

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Measurement of speech as a biomarker of neurodegenerative disease using acoustic profiles and machine learning

B. Schultz, Z. Joukhader, U. Nattala, G. Noffs, J. Chan, S. Rojas-Azaocar, H. Reece, M. Magee, M. Delatycki, L. Corben, A. Walt, A. Vogel (University of Melbourne)

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Remote monitoring of physical activity and falls in patients with Huntington's disease using wearable sensors

J. Adams, R. Dorsey, E. Waddell, M. Coffey, C. Tarolli, R. Schneider, M. Zahiri, A. Varizi, H. Nguyen (University of Rochester)

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Automatic classification of abnormal movement in Huntington's disease using wearable sensors and machine learning

S. Aradi, R. Pierson, B. Scheid, S. Baldassano, B. Litt, P. Gonzalez-Alegre (University of South Florida)

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Connecting digital mobility outcomes with clinical assessments in disorders such as Parkinson's disease: the Mobilise-D study

W. Maetzler, A. Yarnall, I. Neatrour, A. Nieuwboer, B. Caulfield, A. Mirelman, C. Schlenstedt, C. Hansen, H. Gaßner, M. Jackson, F. Kluge, D. Berg, J. Hausdorff, J. Klucken, L. Granovsky, K. Emmert, R. Roubenoff, C. Becker, L. Rochester (Kiel University and University Hospital Schleswig-Holstein, Campus Kiel)

Guided Poster Tour 14: Late-Breaking Abstracts

LBA 1

Simvastatin as a neuroprotective treatment for Parkinson's disease (PD STAT): results of a double-blind, randomised, placebo-controlled futility study

C. Carroll, K. Stevens, B. Jones, S. Campbell, A. Jeffery, R. Chapman, M. Webber, A. Foggo, J. Zajieck, A. Whone, S. Creanor (Plymouth, Devon, United Kingdom)

LBA 2

First experience of the levodopa-entacapone-carbidopa intestinal gel in clinical practice

D. Nyholm, M. Öthman (Uppsala, Sweden)

LBA 3

THN 102, an association of modafinil and low dose flecainide, in the treatment of excessive daytime sleepiness associated with Parkinson's Disease: a double-blind, placebo controlled study

J.C. Corvol, F. Klostermann, N. Kovacs, W. Ondo, R. Pahwa, W. Rein, M. Valis, A. Videncovic, O. Rascol (Paris, France)

LBA 4

UCB0599 transition to the clinic: An orally available brain-penetrant inhibitor of α -synuclein (ASYN) misfolding in Phase 1 development for Parkinson's disease (PD)

J.W. Smit, R.P. Maguire, A. Avbersek, M. Bani, D. Dastros-Pitei, M. Germani, M. Key-Prato, M. Lalla, F.X. Mathy, J. Mercier, A. Schmidt, J. Streffer, J. Genius (Braine-l'Alleud, Brabant Wallon, Belgium)

LBA 5

An Open-label Phase 2a Study to Evaluate the Tolerability and Safety of Perampanel in Cervical Dystonia (SAFE-PER-CD)

S.H. Fox, M. Swan, H. Fernandez, H. Jinnah, K. Kompoliti, C. Comella (Ontario, Canada)

LBA 6

Long term safety and immunogenicity of the alpha synuclein active immunotherapeutic PD01A in patients with Parkinson's disease: a Phase I study series

D.D. Volc, W. Poewe, P. Lührs, N. Majbour, O. El-Agnaf, R. Medori, G. Staffler (Vienna, Austria)

LBA 7

Safety, Tolerability and Target Engagement Demonstrated in Phase 1 Study of LRRK2 Inhibitor DNL151 in Healthy Volunteers

D.D. Jennings, J.V.D. Wetering de Rooij, M.F.J.M. Vissers, J.A.A.C. Heuberger, G.J. Groeneveld, R. Maucia, A. Kay, M. Borin, B. Wong, S. Huntwork-Rodriguez, C. Ho, M. Troyer (South San Francisco, CA, USA)

Guided Poster Tour 15: Late Breaking Abstracts

LBA 8

Analytical validity and operational tolerance of a new algorithm in healthy individuals to calculate gait and balance feature scores from an iPhone application

R.R. Ellis, P. Kelly, C. Huang (New York, NY, USA)

LBA 9**Cardiovascular biomarkers with Parkinson's Disease clusters and prognosis: the Oxford Discovery Cohort**

K. H.N. Chiu, S. Evetts, B. Yiu, M. Lawton, C. Lo, Y. Ben-Shlomo, A. Morovat, M.T. Hu (Hong Kong, Hong Kong)

LBA 10**Breaking Barriers for Inclusivity in Parkinson's Disease Research**

D. Arya, S. Tabish, T. Parekh, J. Jackson, M. Grassia-Chisholm, T. Khan (Weston, FL, USA)

LBA 11**Rapid implementation of a physical activity coaching program via telehealth for people with Parkinson's disease: Recruitment & Feasibility**

L. Quinn, C. E. Macpherson, K. Long, M. King, H. Shah (New York City, NY, USA)

LBA 12**Probabilistic Versus Deterministic Tractography-Based Ventral Intermediate Nucleus Targeting in Patients with Essential Tremor**

J. Muller, M. Alizadeh, C. Matias, C. Wu (Philadelphia, PA, USA)

LBA 14**Clinical spectrum of movement disorders at a tertiary care teaching institute in North India**

C.S. Rawat, S. Pandey (Gipmer, New Delhi, India)

LBA 15**Clinical conditions "suggestive of progressive supranuclear palsy"**

G. Respondek, M.J. Grimm, M. Stamelou, T. Arzberger, L. Ferguson, E. Gelpi, A. Giese, M. Grossman, D.J. Irvine, A. Pantelyat, A. Rajput, S. Roeber, J.C. van Swieten, C. Troakes, W.G. Meissner, C. Nilsson, I. Piot, Y. Compta, J.B. Rowe, G.U. Höglunger (Hannover, Germany)

LBA16**MDS Peer Reviewing Education and Mentoring Program: Early Implementation and Strategies.**

D. Garbin Di Luca1, A. Kirby, C. Goetz (USA)

Guided Poster Tour 16: COVID-19 and Movement Disorders**COVID-19 and Movement Disorders Abstract 1****Perceived stress and Parkinson's motor symptoms during COVID-19 lockdown in New Zealand**

R. Blakemore, M. Pascoe, L. Livingston, B. Young, B. Elias, M. Goulden, S. Grenfell, D. Myall, T. Pitcher, J. Dalrymple-Alford, C. Le Heron, T. Anderson, M. MacAskill (Dunedin, New Zealand)

COVID-19 and Movement Disorders Abstract 2**Neurological manifestations of COVID-19 in Parkinson's disease**

S. Ray, P. Agarwal, A. Madan, D. Burdick, B. Tyson (Kirkland, WA, USA)

COVID-19 and Movement Disorders Abstract 3**Effect of Circumstances Related to COVID-19 on Nonmotor Symptoms of Parkinson's Disease**

M. Feldman, E. Padron, J. Margolesky (Miami, FL, USA)

COVID-19 and Movement Disorders Abstract 4

Withdrawn

COVID-19 and Movement Disorders Abstract 5

Parkinson's disease remote patient monitoring during the COVID-19 lockdown

F. Motolese, A. Magliozzi, F. Puttini, M. Rossi, K. Karlinski, A. Stark-Inbar, Z. Yekutieli, V. Di Lazzaro, M. Marano (Rome, Italy)

COVID-19 and Movement Disorders Abstract 6

Impact of social distancing during COVID-19 pandemic on quality of life in Brazilian people with Parkinson's disease

F.A. Barbieri, T. Penedo, F.B. Santinelli, E. Costa, A.P.B. Silveira, M.H. Kuroda, I. Salomão, T. Cesário, J. Pilon, L. Simieli (Bauru, São Paulo, Brazil)

COVID-19 and Movement Disorders Abstract 7

Rapid Implementation of Telemedicine During the COVID-19 Pandemic: The Emory Experience

C. Esper, L. Scorr, S. Papazian, D. Bartholomew, G. Esper, S. Factor (Atlanta, Georgia, USA)

COVID-19 and Movement Disorders Abstract 8

There's no place like home? Consequences of the COVID-19 lockdown on health and well-being of patients with Parkinson disease and post-stroke

G. Yogev-Seligmann, M. Kafri (Haifa, Israel)

COVID-19 and Movement Disorders Abstract 9

Managing Patients With Neurogenic Orthostatic Hypotension During the COVID-19 Pandemic

P. Khemani, M. Olson, G. Moguel-Cobos (Seattle, WA)