



Lou Ruvo Center for Brain Health

Multi-system Manifestations of Progressive Brain Diseases

Continuing Education Conference

Saturday, June 12, 2021



Virtual Live Conference

<http://gcmd.co/progressivebraindisease>

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Program Description

Most progressive brain diseases – including Parkinson’s disease, Alzheimer’s disease, multiple sclerosis, amyotrophic lateral sclerosis, and Huntington’s disease – occur as a result of neurodegenerative processes. The progressive degeneration and/or death of neuronal and glia cells cause a number of symptoms years before a clinical diagnosis, many of which can help recognize prodromal states. Symptoms originating from various organ systems are not usually recognized as cardinal for the definition and/or diagnosis of these diseases. While these often highly disabling, multi-system manifestations of neurodegenerative diseases are commonly neglected, their appropriate treatment can markedly improve patients’ quality of life. This conference will focus on the disabilities caused by motor, autonomic, enteric, and neuropsychiatric decline as a result of neurodegenerative diseases.

Target Audience

This activity is intended for neurologists, primary care physicians, psychiatrists, psychologists, physician assistants, nurse practitioners, nurses, physical and occupational therapists and other allied health professionals who care for patients with neurological disorders.

Objectives

Upon completion of this program, the participant will be able to:

1. Evaluate and manage neuropsychiatric disability in neurodegenerative disorders.
2. Identify and treat disorders of the autonomic and enteric nervous system in neurodegenerative disorders.
3. Identify and manage motor symptoms in neurodegenerative disorders.
4. Recognize the impact of multidisciplinary care in neurodegenerative disorders.

Disclaimer

The information in this educational activity is provided for general medical education purposes only and is not meant to substitute for the independent medical judgement of a physician relative to diagnostic and treatment options of a specific patient’s medical condition. The viewpoints expressed in this CME activity are those of the authors/faculty. They do not represent an endorsement by the Cleveland Clinic Foundation. In no event will the Cleveland Clinic Foundation be liable for any decision made or action taken in reliance upon the information provided through this CME activity.

Multi-system Manifestations of Progressive Brain Diseases Conference Agenda

Q & A is included in each speaker's allotted time.

All start times are in the Pacific Time zone

7:45 AM	Opening Remarks - What is different about this activity?	Zoltan Mari, MD
8:00 AM	Introductory Remarks	Zoltan Mari, MD
8:05 AM	Introduction to Alzheimer's disease and other degenerative dementias	Aaron Ritter, MD
8:22 AM	Introduction to multiple sclerosis and other neuroimmunological disorders	Le Hua, MD
8:39 AM	Introduction to Parkinson's disease and other movement disorders	Odinachi Oguh, MD
9:10 AM	BREAK EXHIBITS! 15 MINUTES	
9:25 AM	Visual, auditory, and somatosensory impairment in neurodegenerative disorders	Le Hua, MD
9:55 AM	Cardiovascular, urinary and other autonomic manifestations of neurodegenerative disorders	Kelly Papesch, DNP
10:22 AM	The role of OT, PT and SLP in neurodegenerative disorders	Shaina Meyer, OTR/L
10:52 AM	BREAK EXHIBITS! 15 MINUTES	
11:07 AM	Gastrointestinal symptoms and nutritional considerations in neurodegenerative disorders	Odinachi Oguh, MD
11:42 AM	Pain management in neurodegenerative disorders	Eric Farbman, MD
12:03 PM	Sleep disorders in neurodegenerative disorders	Lucille Carriere, PhD
12:30 PM	BREAK EXHIBITS! 30 MINUTES	
1:00 PM	Psychosis in neurodegenerative disorders	Dylan Wint, MD
1:35 PM	Anxiety and depression in neurodegenerative disorders	Aaron Ritter, MD
2:05 PM	Mild cognitive impairment and dementia in neurodegenerative disorders	Marwan Sabbagh, MD, FAAN
2:40 PM	Spasticity, rigidity, and other motor symptoms in neurodegenerative disorders	Zoltan Mari, MD
3:10 PM	POST-TEST EVALUATIONS ADJOURN	

Multi-system Manifestations of Progressive Brain Diseases

Cleveland Clinic Lou Ruvo Center for Brain Health Faculty

Course Director

Zoltan Mari, MD

Neurology and Neurophysiology
Director, Parkinson's Disease and Movement Disorders Program
Ruvo Family Chair and Director

Co-Director

Dylan Wint, MD

Neurology and Psychiatry
Director, Cleveland Clinic Lou Ruvo Center for Brain Health
Las Vegas Legacy Neuroscience Education Endowed Chair

Faculty

Lucille Carriere, PhD

Clinical Psychology and Health Psychology
Angie Ruvo Endowed Caregiver Chair

Le Hua, MD

Neurology and Neuroimmunology
Director, Mellen Program for Multiple Sclerosis
Eric and Sheila Samson Chair for Multiple Sclerosis Research

Shaina Meyer, OTR/L

Occupational Therapy
Manager, Rehabilitation Services

Odinachi Oguh, MD

Associate Staff
Neurology and Movement Disorders

Kelly Papesh, DNP

Nurse Practitioner
Manager, Advanced Practice Providers

Aaron Ritter, MD

Associate Staff
Neuropsychiatry and Behavioral Neurology

Marwan Sabbagh, MD, FAAN

Neurology and Geriatric Neurology
Director of Translational Research
Camille and Larry Ruvo Endowed Chair for Brain Health

Guest Faculty

Eric Farbman, MD

Neurology and Movement Disorders
Roseman Medical Group, Roseman University of Health Sciences

Planning Committee

LeeAnn Mandarino, MA

Conference Organizer
Manager, Education in Neurodegeneration
Manager, Professional Education Programs

The Cleveland Clinic Center for Continuing Education | Faculty Disclosure

In accordance with the Standards for Commercial Support issued by the Accreditation Council for Continuing Medical Education (ACCME), The Cleveland Clinic Foundation Center for Continuing Education requires resolution of all faculty conflicts of interest to ensure CME activities are free of commercial bias.

The following faculty have indicated that they may have a relationship, which in the context of their presentation(s), could be perceived as a potential conflict of interest:

Le Hua, MD	Biogen Idec	Consulting Research / Independent Contractor
	Bristol-Myers Squibb Co.	Consulting Research / Independent Contractor Membership on advisory committee or review panels Teaching and Speaking
	EMD Serono, Inc.	Consulting Research / Independent Contractor Membership on advisory committee or review panels
	Genentech	Consulting Research / Independent Contractor
	Genzyme/Sanofi	Consulting Research / Independent Contractor Teaching and Speaking
	Novartis Pharmaceuticals	Consulting Research / Independent Contractor Membership on advisory committee or review panels
Zoltan Kalman Mari, MD	Acadia	Consulting
	Biogen Idec	Consulting Membership on advisory committee or review panels
	D&D PharmaTech	Ownership interest (stock, stock options)
	GB Sciences	Consulting
	Global Alzheimer Platform (GAP) Foundation	Research / Independent Contractor
	Global Kinetics Corporation	Consulting
	Sensory Cloud, Inc.	Consulting
	nQ Medical	Board Membership Ownership interest (stock, stock options)
Marwan Sabbagh, MD	Biogen Idec	Consulting
	Brain Health Inc	Ownership interest (stock, stock options)
	Harper Collins	Intellectual property rights (Royalties or patent sales)
	Optimal Cognitive Health Company	Ownership interest (stock, stock options)
	Versanum Inc.	Ownership interest (stock, stock options)
	uMethod Health	Ownership interest (stock, stock options)
	vTv therapeutics	Consulting
Dylan Wint, MD	Acadia	Consulting
	Biogen Inc.	Teaching and Speaking
Odinachi Oguh, MD	Sunovion	Teaching and Speaking

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The following faculty have indicated they have no relationship which, in the context of their presentation(s), could be perceived as a potential conflict of interest:

Lucy Carriere, PhD

Eric S Farbman MD

LeeAnn Mandarino, MA

Shaina Meyer, OT

Kelly Papesh, DPT

Aaron Ritter, MD

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AbbVie Inc.
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EXHIBITORS

- **Acadia**
- **Acorda**
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- **Boston Scientific**
- **Kyowa Kirin**
- **Sunovion**
- **Supernus Pharmaceuticals, Inc.**
- **UCB**

Non-Profit Guests

- **Alzheimer's Association**
- **Association for Frontotemporal Degeneration**
- **Cleveland Clinic Lou Ruvo Center for Brain Health**
 - **Dementia Society of America**
 - **National MS Society**
 - **Parkinson's Foundation**

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Accreditation Statement

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this Internet Live activity for a maximum of 6.25 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association Council for Category 2 credit.

This course has been approved by the State of Nevada Physical Therapy Examiners Board for 6 hours of continuing education.

HOW TO OBTAIN AMA PRA CATEGORY 1 CREDITS[™] OR CERTIFICATE OF PARTICIPATION:

****Physicians, Nurse Practitioners, Physician Assistants, and Psychologists - The ability to claim CME credit will be available on Wednesday, June 16, 2021.***

1. Go to www.ccfcmec.org/cmelogin to begin the activity evaluation and print your certificate. You have 30 days following the activity to claim credit.
2. New Users: By attending this activity, an account has been created for you. Please follow these steps:
 - Click on 'Reset Password.'
 - Enter email address used for registration.
 - Click on 'Request Password Reset.'
 - You will receive an email to reset your password.

Existing Users:

- Enter email address used for registration.
 - Enter password.
3. Select, [Click here to Complete Evaluation](#) and complete all questions.
 4. Select the number of credits you are claiming by either using
(a) the drop-down OR
(b) checking the box marked 'maximum available.'
 5. Click 'Save and View Certificate.'
 6. Your official certificate will be displayed. Please print and keep with your permanent files. You may also access your account at any time to view and/or print CME certificates and transcripts.

** If you need assistance, contact the CME office at 216.444.9990 or myCME@ccf.org.

Physical/Occupational Therapists: Evaluation and Credit Certificates

To obtain credits for this conference, you must: Email CCCMEVegas@ccf.org with your name and contact information *Certificates will be emailed to you.*



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