

2016 CMSC Annual Meeting
Celebrating 30 Years of MS Care
June 1-4, 2016
Gaylord National Resort and Convention Center, National Harbor, Maryland
(draft as of 3/21/2016)

Wednesday, June 1, 2016						
Time	Topic/Title		Track	Type of Credit	# of Credits	Chairperson/Speakers
8:30 am – 10:00 am	CMSC Committee and Project Meetings				None	
8:30 am – 10:00 am	➤ Advocacy Committee				None	
8:30 am – 10:00 am	➤ Continuing Professional Education Committee				None	
8:30 am – 10:00 am	➤ International Organization of MS Rehabilitation Therapists (IOMSRT)				None	
8:30 am – 10:00 am	➤ MS Mental Health Professionals (MS/MHP)				None	
8:30 am – 10:00 am	➤ Research Committee				None	
10:00 am – 11:30 am	<p style="color: green;">Independently Supported Symposium (#1)</p> <p>A 3 Dimensional View of A Personalized Approach to Multiple Sclerosis: Effective Current and Emerging Therapy</p> <p>This activity is supported by educational grants from Biogen, Genentech, and Teva Pharmaceuticals.</p>					
	➤ Introduction					
	➤ Progression of Disease					
	➤ MS Treatment Options					
	➤ Reliable and Valid Measure of Patients' Experience					
	➤ Conclusion/Clinical Pearls/Practical Tips					
	➤ Questions & Answers					
11:30 am – 1:00 pm	Opening Ceremony and Luncheon					
12:15 pm – 1:00 pm	John F. Kurtzke Memorial Lecture: Do Relapses Really Matter		DX	CME, CNE	.75	Fred D. Lublin, MD, FAAN, FANA
1:15 pm – 2:45 pm	CLINICAL COURSES					
1:15 pm – 2:45 pm	1	Diagnosing and Misdiagnosing MS: An Ongoing Challenge	DX	CME, CNE, AOTA	1.5	B. Mark Keegan, MD Andrew J. Solomon, MD
1:15 pm – 2:45 pm	2	Challenges for the Advanced Practice Clinician: Part 1	SK	CME, CNE	1.5	Bryan Walker, MHS, PA-C Stephanie Agrella, RN, MSN, APRN, ANP-BC, MSCN
1:15 pm – 2:45 pm	3	2016 Update: MRI Recommendations and Clinical Guidelines in	DX	CME,	1.5	Anthony Trabousee, MD, FRCPC

		MS		CNE		David Li, MD Co-Chairs
1:15 pm – 2:00 pm		➤ Diagnosing MS				Anthony Traboulsee, MD, FRCPC David Li, MD
2:00 pm – 2:45 pm		➤ Monitoring MS				Anthony Traboulsee, MD, FRCPC David Li, MD
1:15 pm – 2:45 pm	4	How to Perform the EDSS: Part 1	DX, SK	CME, CNE	1.5	Stephen S. Kamin, MD
1:15 pm – 2:45 pm	5	Clinical Neuroanatomy of the Brain and Spinal Cord: Part 1	SC	CME, CNE	1.5	Aliza Ben-Zacharia, DrNP, ANP-BC, MSCN Stephen Krieger, MD
1:15 pm – 2:45 pm	6	Basic Immunology for the Non-Immunologist: Part 1	SC	CME, CNE, CPE	1.5	Kathleen Costello, MS, ANP-BC, MSCN Scott D. Newsome, DO Co-Chairs
1:15 pm – 2:00 pm		➤ The Normal Immune Response				Kathleen Costello, MS, ANP-BC, MSCN
2:00 pm – 2:45 pm		➤ The Immunopathology of MS and Therapeutic Implications				Scott Newsome, DO
1:15 pm – 2:45 pm	7	Evaluating MS Specialist Nursing	RN	CNE	1.5	Amy Bowen, RN, MA, Chair
1:15 pm – 1:50 pm		➤ Generating Evidence in MS Services-Findings from the UK Program Evaluating MS Specialist Nursing				Amy Bowen, RN, MA
1:50 pm – 2:15 pm		➤ Feel the Fear and Do It Anyway-Embedding Service Evaluation into Everyday Practice				Karen Vernon
2:15 pm – 2:40 pm		➤ Demonstrating the Complexity of Specialist Neurological Practice-Development of the SNIAT Audit Tool				Michelle Davies, BSc (Hons) MCSP
2:40 pm – 2:45 pm		➤ Q & A				Panel
2:45 pm – 3:00 pm	Break					
3:00 pm – 4:30 pm	CLINICAL COURSES					
3:00 pm – 4:30 pm	8	Diagnosing and Misdiagnosing MS: An Ongoing Challenge (repeat of Course 1)	DX	CME, CNE, AOTA	1.5	B. Mark Keegan, MD Andrew J. Solomon, MD
3:00 pm – 4:30 pm	9	Challenges for the Advanced Practice Clinician: Part 2	SK	CME, CNE	1.5	Bryan Walker, MHS, PA-C Stephanie Agrella, RN, MSN, APRN, ANP-BC, MSCN
3:00 pm – 4:30 pm	10	2016 Update: MRI Recommendations and Clinical Guidelines in MS (repeat of Course 3)	DX	CME, CNE	1.5	Anthony Traboulsee, MD, FRCPC David Li, MD Co-Chairs
3:00 pm – 3:45 pm		➤ Diagnosing MS				Anthony Traboulsee, MD, FRCPC David Li, MD

3:45 pm – 4:30 pm		➤ Monitoring MS				Anthony Traboulee, MD, FRCPC David Li, MD
3:00 pm – 4:30 pm	11	How to Perform the EDSS: Part 2	DX, SK	CME, CNE	1.5	Stephen S. Kamin, MD
3:00 pm – 4:30 pm	12	Clinical Neuroanatomy of the Brain and Spinal Cord: Part 2	SC	CME, CNE	1.5	Aliza Ben-Zacharia, DrNP, ANP-BC, MSCN Stephen Krieger, MD
3:00 pm – 4:30 pm	13	Advanced Immunology for the Non-Immunologist: Mechanisms of Neural Repair	SC	CME, CNE	1.5	Kathleen Costello, MS, ANP-BC, MSCN Scott D. Newsome, DO Co-Chairs
3:00 pm – 3:45 pm		➤ Endogenous Neural Repair Mechanisms in MS				Peter Calabresi, MD
3:45 pm – 4:30 pm		➤ Exogenous Neural Repair Mechanisms in MS				Michael Racke, MD
3:00 pm – 4:30 pm	14	Best Practices in Infusion Care	SK, RN	CNE, CPE	1.5	Lori Mayer, DNP, MSN, RN, MSCN, Chair
3:00 pm – 3:20		➤ Share Practical Applications and Framework for Infusion Therapy within Virtual Infusion Setting				Lori Mayer, DNP, MSN, RN, MSCN, Chair, Shirley O’Leary, MS, APRN-C, MSCN
3:20 pm – 3:35 pm		➤ Gain a Broad Understanding of Patient Selection for Infusion Therapy				Lori Mayer, DNP, MSN, RN, MSCN, Chair, Shirley O’Leary, MS, APRN-C, MSCN
3:35 pm – 3:55 pm		➤ Education of Patients in Risks and Benefits of Infusion Therapy, as well as MOA				Lori Mayer, DNP, MSN, RN, MSCN, Chair, Shirley O’Leary, MS, APRN-C, MSCN
3:55 pm – 4:15 pm		➤ Define, Recognize and Manage Infusion Related Reactions				Lori Mayer, DNP, MSN, RN, MSCN, Chair, Shirley O’Leary, MS, APRN-C, MSCN
4:15 pm – 4:30 pm		➤ Discussion				Lori Mayer, DNP, MSN, RN, MSCN, Chair, Shirley O’Leary, MS, APRN-C, MSCN
4:45 pm – 6:15 pm		<p>Independently Supported Symposium (#2)</p> <p>In Search of the Guiding Light: Re-visiting the Use of Oral and High-Efficacy Therapies in a Modern Era of MS Treatment</p> <p>This continuing medical education activity is provided by Vindico Medical Education.</p> <p>This activity is supported by an educational grant from Sanofi-Genzyme.</p>				
4:15 pm – 4:45 pm		➤ Registration and Refreshments				

4:45 pm – 4:55 pm	➤ Introduction and Pretest				Patricia K. Coyle, MD, FAAN
4:55 pm – 5:10 pm	➤ Are Oral MS Therapies Now Tried and True? Examining the Data Since Approval				Patricia K. Coyle, MD, FAAN
5:10 pm – 5:25 pm	➤ Case Choice: Treatment Selection – Oral vs. Injectables				Kottil W. Rammohan, MD
5:25 pm – 5:45 pm	➤ High Efficacy Therapies: Determining the Place and Time				Edward J. Fox, MD, PhD, FAAN
5:45 pm – 6:00 pm	➤ Case Choice: Treating High-risk Initial Therapy vs. Breakthrough Disease				Bruce A. Cohen, MD
6:00 pm – 6:05 pm	➤ Posttest				
6:05 pm – 6:15 pm	➤ Question and Answer				
4:30 pm – 8:00 pm	Exhibit Hall Open				
6:15 pm – 8:00 pm	Opening Reception in Exhibit Hall				
INFORMATIONAL AND NETWORKING DINNERS					
8:00 pm – 9:30 pm	➤ Meet the Professor: Towards Personalized Medicine in Multiple Sclerosis	SC	CME, CNE	1.0	Suhayl Dhib-Jalbut, MD
8:00 pm – 9:30 pm	➤ International Organization of MS Nurses (IOMSN)			None	
8:00 pm – 9:30 pm	➤ International Organization of MS Rehabilitation Therapists (IOMSRT)			None	
8:00 pm – 9:30 pm	➤ MS Mental Health Professionals (MS/MHP)			None	
8:00 pm – 9:30 pm	➤ MS Coalition			None	
9:30 pm	VA MS Centers of Excellence East and West (MSCOE) and VA Special Interest Group (VA SIG) Reception			None	

Thursday, June 2, 2016

Time	Topic/Title	Track	Type of Credit	# of Credits	Chairperson/Speakers
7:00 am – 8:00 am	<p>Independently Supported Breakfast Symposium (#3) Patient-Centric Methods for Overcoming Barriers and Achieving Improved Patient Outcomes in African Americans and Hispanics with MS</p> <p>This activity is jointly provided by Mount Sinai Health System Hospitals: Mount Sinai Beth Israel and Scientiae, LLC.</p> <p>This activity is supported by an educational grant from Biogen.</p>				
7:00 am – 7:10 am	➤ Introduction and Overview				Aaron Miller, MD, FAAN, FANA, Moderator
7:10 am – 7:25 am	➤ Culturally Competent Interactions Enhancing Self-Care of MS: A Practical, Case-Based Demonstration of “Teach Back” and Other Techniques				Mary D. Hughes, MD
7:25 am – 8:00 am	➤ Interactive Panel: Practical Considerations in Managing MS in African American and Hispanic Populations: An Interactive, Case-Based, Panel Discussion				Aaron Miller, MD, FAAN, FANA, Moderator Mary Hughes, MD Lilyana Amezcua, MD Jennifer M. Smrtka, MSN, ARNP-BC, MSCN
	➤ Closing Remarks				Aaron Miller, MD, FAAN, FANA
7:00 am – 9:00 am	Exhibit Hall Open				
7:00 am – 9:00 am	Breakfast in Exhibit Hall				
8:00 am – 8:45 am	Presidential Lecture: Genetic Variations Relating to Glutamate Concentration in the Brain	SC	CME, CNE	.75	Daniel Pelletier, MD
9:00 am – 12:00 pm	Fundamentals of MS Care: Part 1	SC, CC	CME, CNE, NASW, CPE, AOTA, APA	2.50	Constance B. Easterling, RN, MSN, ARNP, MSCN, Chair
9:00 am – 9:05 am	➤ Welcome and Overview of Program				Constance B. Easterling, RN, MSN, ARNP, MSCN
9:05 am – 9:45 am	➤ History of Multiple Sclerosis				Thomas J. Murray, MD, FRCP®, MACP
9:45 am – 10:30 am	➤ Nature of MS: Epidemiology, Immunology, Pathophysiology, Characteristics and Natural History				John R. Rinker, II, MD

10:30 am – 10:45 am	➤ Break				
10:45 am – 11:30 am	➤ Primary Progressive MS: Diagnosis, Clinical Course and Long-term Management				Patricia K. Coyle, MD
11:30 am – 12:15pm	➤ MRI in Differential Diagnosis				Jill Conway, MD
9:00 am – 12:00 pm	Current Topics and Trends in MS Rehabilitation: Part 1	RH	CME, AOTA, NASW	2.50	Patricia Bobryk, MHS, PT, MSCS, ATP, Chair
9:00 am – 10:15 am	➤ Therapeutic Outcomes and Intervention Strategies				Matt Sutliff, PT, MSCS Francois Bethoux, MD Christine Smith, OTR/L, MSCS Randy Karim, PT, DPT, NCS, CBIS
10:15 am – 10:45 am	➤ Break				
10:45 am – 12:00 pm	➤ Therapeutic Outcomes and Intervention Strategies (cont'd)				
9:00 am – 12:00 pm	Core Concepts for the MS Nursing Clinician	RN	CNE	2.50	Colleen Harris, MN, NP, MSCN
9:00 am – 9:30 am	➤ Introduction				Colleen Harris, MN, NP, MSCN
9:30 am – 10:00 am	➤ Complex Case #1				Mehgan Kinnetz, APN
10:00 am – 10:30 am	➤ Complex Case #2				Peggy Cook, RN, BSN
10:30 am – 10:45 am	➤ Break				
10:45 am – 11:15 am	➤ Complex Case #3				Marie Moore, MSN, FNP, MSCN
11:15 am – 12:00 pm	➤ Q & A				Panel
SYMPOSIA					
9:00 am – 12:00 pm	1 Brain Plasticity Using FMRI	SC	CME, CNE	2.50	Daniel Pelletier, MD, Chair
9:00 am – 12:00 pm	2 Mechanism of the Blood Brain Barrier Function in Health and Disease	SC	CME, CNE	2.50	Ari Waisman, PhD, Chair
9:00 am – 9:10 am	➤ Introduction				Ari Waisman, PhD
9:10 am – 9:45 am	➤ Cytokine Regulation of BBB Function				Ari Waisman, PhD
9:45 am – 10:20 am	➤ Mechanisms of BBB Disruption in MS				Alexandre Prat
10:20 am – 10:50 am	➤ Break				
10:50 am – 11:25 am	➤ BBB Damage Beyond Tight Junctional Changes				Ingo Bechmann
11:25 am – 12:00 pm	➤ The BBB in Health and Disease				Richard Daneman
9:00 am – 12:00 pm	3 Issues that Complicate MS Treatment	CG	CME, CNE, NASW, APA, CPE, APA, AOTA	2.50	Frederick W. Foley, PhD Corey C. Ford, MD, PhD Co-Chairs

9:00 am – 9:35 am		➤ Case 1: Medical				Corey C. Ford, MD, PhD
9:35 am – 10:15am		➤ Case 2: Psychosocial				Frederick W. Foley, PhD
10:15 am – 10:45 am		➤ Break				
10:45 am – 11:20 am		➤ Case 3: Nursing				Lynn McEwan, MScN, NP, MSCN, CNNC
11:20 am – 11:55 am		➤ Case 4: Rehabilitation				J. Tamar Kalina, MS, OTR/L, CCRC, MSCS
11:55 am – 12:00 pm		➤ Q&A				
9:00 am – 12:00 pm	4	Expanding the MS Toolkit: Integrating Lifestyle Factors and Unconventional Medicine into MS Clinical Care	CC	CME, CNE, NASW, CPE	2.50	Allen C. Bowling, MD, PhD, Chair
9:00 am – 9:35 am		➤ Marijuana Update, Diets and Dietary Supplements, Alcohol Use				Allen C. Bowling, MD, PhD
9:35 am – 10:15 am		➤ Tobacco Smoking and MS-Clinically Important but Under-Addressed?				Cris Constantinescu, MD, PhD
10:15 am – 10:45 am		➤ Break				
10:45 am – 11:20 am		➤ Vitamin D-Research Update and Implications for Clinical Practice				Ellen Mowry, MD, PhD
11:20 am – 12:00pm		➤ You Are What You Eat-The Role of the Gut Microbiome in CNS Disease				Lloyd Kasper, MD
10:00 am – 2:00 pm	Exhibit Hall Open					
12:00 pm – 2:00 pm	Luncheon in Exhibit Hall					
12:30 pm – 2:00 pm	Roundtables					
12:30 pm – 2:00 pm		➤ International Journal of MS Care Roundtable				Francois Bethoux, MD
12:30 pm – 2:00 pm		➤ Physician Roundtable				
12:30 pm – 2:00 pm		➤ Nursing Roundtable				
12:30 pm – 2:00 pm		➤ Rehabilitation Roundtable				
12:30 pm – 2:00 pm		➤ Mental Health Roundtable				
12:30 pm – 2:00 pm		➤ Pharmacist Roundtable				
12:30 pm – 2:00 pm		➤ NARCOMS Roundtable				
12:30 pm – 2:00 pm		➤ VA Roundtable				
12:30 pm – 2:00 pm		➤ NARCRMS Roundtable				
2:00 pm – 4:45 pm		Fundamentals of MS Care: Part 2	SC, CC, CG	CME, CNE, NASW,	2.50	Constance B. Easterling, RN, MSN, ARNP, MSCN, Chair

			CPE, AOTA, APA		
2:00 pm – 2:45 pm	➤ Relapsing Remitting MS: Current Disease Modifying Therapies, Considerations in Choosing Treatment and Acute Relapse Management				Mitzi J. Williams, MD
2:45 pm – 3:25 pm	➤ Neuromyelitis Optica: Diagnosis and Treatment				Maureen Mealy, RN, BSN, MSCN, CNRN
3:25 pm – 3:40 pm	➤ Break				
3:40 pm – 4:20 pm	➤ Principles of Basic Research and Initiating a Research Trial				Beverly Layton, RN, BSN, CCM, MSCN
4:20 pm – 5:00 pm	➤ The Role of the MS Nurse in Fostering Adherence				Jennifer Smrtka, RN, MSN, ARNP-C, MSCN
2:00 pm – 4:45 pm	Current Topics and Trends in MS Rehabilitation: Part 2	RH	CME, NASW, AOTA, APA	2.50	Patricia Bobryk, MHS, PT, MSCS, ATP, Chair
2:00 pm – 3:15 pm	➤ Cognition				Adam Kaplin, MD, PhD Kristen Rahn, PhD
3:15 pm – 3:30 pm	➤ Break				
3:30 pm – 4:45 pm	➤ Sedentary Behavior in MS				Rob Motl, PhD
SYMPOSIA					
2:00 pm – 4:45 pm	5 Importance of Lipids and their Involvement in MS	SC	CME, CNE, CPE	2.50	John Nieland, MD, Chair
2:00 pm – 2:45 pm	➤ The Importance of Lipids in the Brain, the Immune System and the Metabolism				John Nieland, MD, Chair
2:45 pm – 3:30 pm	➤ The Fats of Life: The Role of Lipid Metabolism in the Etiology and Pathogenesis of MS				Angelique Corthals, PhD
3:30 pm – 3:45 pm	➤ Break				
3:45 pm – 4:15 pm	➤ Blocking the Lipid Metabolism as a New Treatment Strategy for Multiple Sclerosis				Anne Mørkholt
4:15 pm – 4:45 pm	➤ Assessing the Role of Citrullination and Lipid Interaction with Myelin Basic Protein in Multiple Sclerosis Etiology				Kenneth Kastaniegaard
2:00 pm – 4:45 pm	6 Challenges in Managing MS Comprehensively	CC	CME, CNE, NASW, AOTA, APA	2.50	Edward J. Fox, MD, PhD, Chair

2:00 pm – 2:15 pm		➤ Introduction				Edward J. Fox, MD, PhD
2:15 pm – 2:45 pm		➤ Challenges in Sustaining Wellness in MS				Lori Mayer, DNP, MSN, RN, MSCN
2:45 pm – 3:15 pm		➤ Challenges in Establishing Goals in Physical Therapy				Tina Warring, MPT
3:15 pm – 3:30 pm		➤ Break				
3:30 pm – 4:00 pm		➤ Challenges in Patient Care in MS				Stephanie Agrella, RN, MSN, APRN, ANP-BC, MSCN
4:00 pm – 4:30 pm		➤ Challenges in Establishing a MS Comprehensive Center				Edward J. Fox, MD, PhD
4:30 pm – 4:45 pm		➤ Discussion				Panel
2:00 pm – 4:45 pm	7	Gaining Perspectives on Advanced MS: Improving Outcomes and End of Life Care	CG, CC	CME, CNE, NASW, APA	2.50	Rosalind Kalb, PhD, Chair
2:00 pm – 2:05 pm		➤ Introduction				Rosalind Kalb, PhD
2:05 pm – 2:40 pm		➤ Co-Morbidities and Mortality in MS: The Broader Perspective				Ruth Ann Marrie, MD, PhD
2:40 pm – 3:10 pm		➤ Perspectives on Goals of Care in Advanced MS				Rachel Stacom, MS, ANP-BC, MSCN
3:10 pm – 3:25pm		➤ Break				
3:25 pm – 4:00 pm		➤ Perspectives of People with MS and Their Family Members on the Need for Nursing Home Care				Marcia Finlayson, PhD
4:00 pm – 4:45 pm		➤ Meeting the Challenges of Caring for People with Advanced MS – A Shared Conversation				Rosalind Kalb, PhD and Panel
2:00 pm – 4:45 pm	8	New Insights on the Impact of Comorbidities in Multiple Sclerosis (VA MSCOE)	DX, CC	CME, CNE	2.50	Jodie K. Haselkorn, MD, MPH Mitchell Wallin, MD, MPH Co-Chairs
2:00 pm – 2:05 pm		➤ Introduction				Jodie K. Haselkorn, MD, MPH
2:05 pm – 2:45 pm		➤ Comorbidity in Multiple Sclerosis: Overview and Management				Mitchell Wallin, MD, MPH
2:45 pm – 3:25 pm		➤ Measuring Comorbidity at the Population Level: Mental Health Co-morbidity and MS				William Joel Culpepper, PhD
3:25 pm – 3:40 pm		➤ Break				
3:40 pm – 4:20 pm		➤ Vascular Comorbidities in MS – Impact and Optimal Patient Management: New Directions				Vijayshree Yadav, MD
4:20 pm – 4:30 pm		➤ Understanding Comorbidity using a Case-based Approach				Jodie K. Haselkorn, MD, MPH
4:30 pm – 4:45 pm		➤ Q & A				Panel
2:00 pm – 4:45 pm	9	Cell-based Therapies for MS	SC	CME, CNE, CPE	2.5	Michael Racke, MD, Chair
2:00 pm – 2:30 pm		➤ HALT MS 5 Year Data				Richard Nash, MD

2:30 pm – 3:00 pm	➤ European MS Transplant Experience				Riccardo Saccardi
3:00 pm – 3:30 pm	➤ Basic Science on TCR Repertoire after Transplant				Paolo Muraro
3:30 pm – 3:45 pm	➤ Break				
3:45 pm – 4:15 pm	➤ Mesenchymal Stem Cells				Mark Freedman, MD
4:15 pm – 4:45 pm	➤ OPC Transplant Study for MS				Andrew Goodman, MD
4:00 pm – 8:30 pm	Exhibit Hall Open				
5:00 pm – 6:30 pm	Independently Supported Symposium (#4) Do You Need a NEDA? Considerations for Long-term Care in MS This activity is supported by an unrestricted educational grant from EMD Serono.				
5:00 pm – 5:05 pm	➤ Program Introduction				Clyde Markowitz, MD
5:05 pm – 5:25 pm	➤ Prognostic Factors in MS: Recognition and Clinical Considerations				Heidi Crayton, MD
5:25 pm – 5:45 pm	➤ Considerations of MRI: Evaluating MS Disease Activity and Potential Escalation of Therapy				Darin Okuda, MD
5:45 pm – 6:15 pm	➤ No Evidence of Disease Activity: Is it Relevant or Even Achievable in Managing MS Patients				Clyde Markowitz, MD
6:15 pm – 6:30 pm	➤ Program Conclusions and Q&A				Panel
5:00 pm – 6:30 pm	VA MSCoE and VA SIG Business Meeting				
6:15 pm – 8:15 pm	Dinner in Exhibit Hall				
6:15 pm – 8:15 pm	POSTER SESSION (author must stand by poster from 6:45-8:15)			None	
8:30 pm	Clay Walker Concert				

Friday, June 3, 2016

Time	Topic/Title	Track	Type of Credit	# of Credits	Chairperson/Speakers
7:00 am – 8:00 am	<p>Independently Supported Breakfast Symposium (#5) Patient Engagement and DMD Selection throughout the Course of MS</p> <p>This activity is supported by educational grants from Biogen and Novartis.</p>				
7:00 am – 9:00 am	Breakfast				
8:00 am – 8:45 am	<p>John Whitaker Memorial Lecture: Milestones in MS – Mostly Missed When They Happened</p>	SC	CME, CNE, CPE, APA, AOTA	.75	Jerry S. Wolinsky, MD
9:00 am – 12:00 pm	Whitaker Track	SC	CME, CNE, AOTA, APA	2.50	Michael K. Racke, MD, Chair
9:00 am – 9:20 am	➤ Robotic Rehabilitation Improves Sensorimotor Functions in Lower Limb Impairments of Individuals with Multiple Sclerosis				Yunju Lee, PhD
9:20 am – 9:40 am	➤ Modified EDSS for Use in Multiple Sclerosis Clinical Practice				Laura Baldassari, MD, MHS
9:40 am – 10:00 am	➤ Systematically-Developed Pilot Randomized Controlled Trial of Exercise and Cognition in Persons with Multiple Sclerosis				Brian Sandroff, PhD
10:00 am – 10:20 am	➤ Impacts of Dalfampridine on Interhemispheric Relationships in MS				Ioan Belovarski, BS
10:20 am – 10:40 am	➤ Break				
10:40 am – 11:00 am	➤ Impact of Sleep Quality on Cognitive and Physical Function in Individuals with Multiple Sclerosis				Catherine Siengsukon, PT, PhD
11:00 am – 11:20 am	➤ The Impact of Exercise on Sleep Quality in Individuals with Multiple Sclerosis				Catherine Siengsukon, PT, PhD
11:20 am – 11:40 am	➤ An Atlas of Phenotype to Genotype Relationships of Patient-Derived Neurons and Oligodendrocytes: Implications for White Matter Disorders				Jaime Imitola, MD
11:40 am – 12:00 pm	➤ Closing Remarks				Michael Racke, MD
9:00 am – 12:00 pm	Fundamentals of MS Care: Part 3	CC, SX, CG	CME, CNE, NASW, CPE,	2.50	Constance B. Easterling, RN, MSN, ARNP, MSCN, Chair

			AOTA, APA			
9:00 am – 9:05 am	➤ Welcome and Overview of Program				Constance B. Easterling, RN, MSN, ARNP, MSCN	
9:05 am – 9:50 am	➤ Managing Symptoms of Elimination and Sexual Dysfunction				Marie Namey, RN, MS, MSCN	
9:50 am – 10:30 am	➤ Movement and Gait Disorders				Lacey Bromley, PT, DPT, MSCS	
10:30 am – 10:40 am	➤ Break					
10:40 am – 11:20 am	➤ Managing Pain and Sensory Symptoms				Marie Moore, MSN, ARNP, MSCN	
11:20 am – 12:00 pm	➤ Invisible Symptoms: Fatigue and Cognitive Dysfunction				Patricia Pagnotta, MSN, ARNP, MSCN	
9:00 am – 12:00 pm	Current Topics and Trends in MS Rehabilitation: Part 3	RH	CME, NASW, AOTA	2.50	Patricia Bobryk, MHS, PT, MSCS, ATP, Chair	
9:00 am – 10:15 am	➤ Highlights from International Balance and Gait Symposium				Kathleen M. Zackowski, PhD, OTR Michelle Cameron, MD, PT Gail Widener, PT, PhD	
10:15 am – 10:45 am	➤ Break					
10:45 am – 12:00 pm	➤ Communication and Speech Production: Identifying Intervention Strategies				Lori Kostich, MS, CCC-SLP, MSCS	
SYMPOSIA						
9:00 am – 12:00 pm	10	No Evident Disease Activity (NEDA) and Brain Health in Multiple Sclerosis	SC, DX	CME, CNE, APA, AOTA, CPE	2.50	Gavin Giovannoni, MBBCh, PhD, Chair
9:00 am – 9:45 am		➤ What is Brain Health?				Gavin Giovannoni, MBBCh, PhD
9:45 am – 10:30 am		➤ Use of MRI as a Monitoring Tool				Sven Schippling credentials
10:30 am – 10:45 am		➤ Break				
10:45 am – 11:30 am		➤ Use of Body Fluid Biomarkers as a Monitoring Tool				Sharmilee Gnanapavan credentials
11:30 am – 12:00 pm		➤ The MS Brain Health Policy Document and Initiative: Time Matters				Gavin Giovannoni, MBBCh, PhD
9:00 am – 12:00 pm	11	Managing Mood Changes and Suicide Risk in MS: Using the Science to Inform Diagnosis and Treatment	CG	CME, CNE, NASW, APA	2.50	Rosalind Kalb, PhD, Chair
9:00 am – 9:05 am		➤ Introduction				Rosalind Kalb, PhD
9:05 am – 9:40 am		➤ What Do We Know & What Do We Still Need to Learn				Anthony Feinstein, MD, PhD
9:40 am – 10:15 am		➤ Early and Ongoing Screening to Reduce the Impact of				Peter Arnett, PhD

		Mood Changes				
10:15 am- 10:45 am		➤ Break				
10:45 am – 11:20 am		➤ Strategies to Treat Mood Changes: Making Our Treatment Options Count				Dawn Ehde, PhD
11:20 am-11:55 am		➤ Suicide: Acknowledging the Problem and Reducing the Risk				Christine Moutier, MD
11:55 am – 12:00 pm		➤ Key Take-Aways				Rosaline Kalb, PhD
9:00 am – 12:00 pm	12	Ethical Issues in MS	CC	CME, CNE, NASW, APA, CPE, AOTA	2.50	Amy Perrin Ross, APN, MSN, CNRN, MSCN, Chair
9:00 am – 12:00 pm	13	Running Effective Clinical Trials	RS, CC	CME, CNE, CPE	2.50	Andrew Goodman, MD Cynthia Irish, RN, CCRC, MSCN Co-Chairs
9:00 am-9:35 am		➤ Introduction				Andrew Goodman, MD
9:30 am – 10:15 am		➤ Outcome Measures				Megan Hyland, MD
10:15 am – 10:45 am		➤ Break				
10:45 am – 11:15 am		➤ Training Needed to Succeed in Research				Tirisham Gyang, MD
11:15 am – 11:45 am		➤ Research Coordination: The Main Cog in the Wheel				Cynthia Irish, RN, MSCN, CCRC
10:00 am – 3:00 pm	Exhibit Hall Open					
12:00 pm – 2:00 pm	Luncheon in Exhibit Hall					
1:00 pm – 2:00 pm	Opportunities for Collaborative Research				None	
2:00 pm – 4:00 pm	14	Shared Voices & Experiences: Intercultural Comprehensive MS Care	CC	CME, CNE, NASW, CPE, AOTA, APA	2.0	Flavia Nelson, MD
2:00 pm – 2:10 pm		➤ Welcome Remarks				Flavia Nelson, MD, Chair
2:10 pm – 2:30 pm		➤ MS in the Latin American Patient				Flavia Nelson, MD
2:30 pm – 3:00 pm		➤ MS Care in the Middle East: The Influence of Culture, Religion and Conflict				Salim Chahin, MD
3:00 pm – 3:15 pm		➤ Break				
3:15 pm – 3:45 pm		➤ MS in the African American/African Patient				Annette Okai, MD
3:45 pm – 4:00 pm		➤ Q & A				Flavia Nelson, MD, Salim Chahin, MD, Annette Okai, MD
2:00 pm – 5:00 pm	Fundamentals of MS Care: Part 4		CC, SX	CME, CNE,	2.75	Constance B. Easterling, RN, MSN, ARNP, MSCN, Chair

				NASW, CPE, AOTA, APA		
2:00 pm – 2:40 pm	➤	Managing Sleep Disorders				David Brandes, MS, MD, FAAN, MSCS
2:40 pm – 3:20 pm	➤	Evaluation and Treatment of Mood Disorders in MS				Anthony Feinstein, MD, PhD
3:20 pm – 3:30 pm	➤	Break				
3:30 pm – 4:15 pm	➤	Managing Symptoms Affecting Activities of Daily Living				Tracy Carrasco, OT, MSCS
4:15 pm -5:00 pm	➤	Integrating Health Maintenance and Wellness Concepts				Mary Kay Fink, MSN, ARNP, MSCN
2:00 pm – 5:00 pm	15	Research Symposium: How T Cells and B Cells Work Together	SC, RS	CME, CNE	2.75	Anne Cross, MD Francisco J. Quintana, PhD Co-Chairs
2:00 pm – 2:05 pm		➤ Introduction				Francisco J. Quintana, PhD
2:05 pm – 2:45 pm		➤ Regulatory and Effector T Cells in MS				Thomas Korn, MD
2:45 pm – 3:25 pm		➤ T Cell Mediated Mechanisms of Disease Pathogenesis in MS				Burkhard Becher, PhD
3:25 pm – 3:40 pm		➤ Break				
3:40 pm – 4:20 pm		➤ Environmental Regulation of the Immune Response in MS				Francisco J. Quintana, PhD
4:20 pm – 5:00 pm		➤ Recruitment of Immune Cells to the CNS				Jonathan Kipnis
2:00 pm – 4:00 pm	PLATFORM PRESENTATIONS					
	➤	Psychosocial: Cognition, Depression	CG	CME, CNE, NASW, APA	2.0	
	➤	Disease Management, Imaging and Therapeutics	DX	CME, CNE, CPE	2.0	
	➤	Rehabilitation Interventions	RH	CME, NASW, AOTA	2.0	
	➤	Comprehensive Care in MS and Symptom Management	CC, SX	CME, CNE, NASW, APA, CPE, AOTA	2.0	
4:00 pm – 4:15 pm	Break					

WORKSHOPS						
4:15 pm – 5:45 pm	1	Metabolism in MS and Related Conditions	DX, SC	CME, CNE	1.5	John Nieland, MD
4:15 pm – 4:45 pm		➤ Metabolism, AQPs and CPT1 in CNS Diseases				Søren Nielsen
4:45 pm – 5:15 pm		➤ Mitochondrial Dysfunction in MS and Related CNS Diseases				David Sheikh-Hamad
5:15 pm – 5:45 pm		➤ Microbiomics in MS and Related Conditions				Ilana Katz Sand, MD
4:15 pm – 5:45 pm	2	Neuropsychologists and Neurologists: Working Together in the Management of Neuropsychological Issues in MS (VA MSCOE)	CC	CME, CNE, NASW, APA	1.5	Terry Lee-Wilk, PhD, Chair Moiria Dux, PhD Michelle Cameron, MD, PT Christopher T. Bever, Jr., MD, MBA
4:15 pm – 5:45 pm	3	NARCRMS Update			0	Kottil Rammohan, MD
4:15 pm – 5:45 pm	4	Proposing and Presenting Research and Best Practice Evaluation, an Interactive Workshop	RS, SK	CNE	1.5	Marijean Buhse, PhD, NP-C, MSCN, Chair
4:15 pm – 4:40 pm		➤ Evidence Based Practice from an MS Nursing Perspective				Lori Mayer, DNP, MSN, RN, MSCN
4:40 pm – 5:05 pm		➤ Proposing and Writing for Presentation				Marijean Buhse, PhD, NP-C, MSCN
5:05 pm – 5:30 pm		➤ Presenting Research Findings				Janet Morrison, RN, MSN, MSCN
5:30 pm – 5:45 pm		➤ Q & A				Panel
4:15 pm – 5:45 pm	5	Men with MS, A Multidisciplinary Approach	CG, CC	CME, CNE, NASW, APA, AOTA, CPE		Riley Bove, MD Anthony Feinstein, MD, PhD Co-Chairs
4:15 pm – 4:55 pm		➤ Epidemiology and Mental Health				Riley Bove, MD Anthony Feinstein, MD, PhD
4:55 pm – 5:15 pm		➤ Sexual Health				Frederick W. Foley, PhD
5:15 pm – 5:35 pm		➤ Multi-dimensional Health				Rosalind Kalb, PhD
5:35 pm – 5:45 pm		➤ Q & A				Panel
4:15 pm – 5:45 pm	6	The Complexity of Effectively Managing Elimination Dysfunction Across the MS Spectrum	SX	CME, CNE, CPE	1.5	Marie Namey, APRN, MSCN, Chair
4:15 pm – 4:20 pm		➤ Introduction				Marie Namey, APRN, MSCN
4:20 pm – 5:05 pm		➤ Current Concepts and Future Trends in Managing Bladder Dysfunction in MS				Philip Aliotta, MD
5:05 pm – 5:45 pm		➤ Current Concepts and Future Trends in Managing Bowel Dysfunction in MS				Marie Namey, APRN, MSCN
4:15 pm – 5:45 pm	7	Twenty Years of NARCOMS Research: MS Outcomes, Disparities	RS	CME,	1.5	Stacey S. Cofield, PhD

		and the Patient Perspective		CNE, APA, CPE		
4:15 pm – 4:25 pm		➤ Introduction				Stacey S. Cofield, PhD
4:25 pm – 4:45 pm		➤ Understanding MS Outcomes: Relapse and Disability				Robert Fox, MD
4:45 pm – 5:05 pm		➤ Social Determinants of MS Outcomes				Ruth Ann Marrie, MD, PhD, FRCPC
5:05 pm – 5:25 pm		➤ Participant Perspectives on Treatment and Care				Amber R. Salter, PhD
5:25 pm – 5:45 pm		➤ Conclusion				Stacey S. Cofield, PhD
4:15 pm – 5:45 pm	8	Pediatric Multiple Sclerosis	DX	CME, CNE, AOTA, CPE, APA, NASW	1.5	Brenda Banwell, MD, Chair
4:15 pm – 4:20 pm		➤ Introduction				Brenda Banwell, MD
4:20 pm – 4:45 pm		➤ Diagnosis and Management of MS in Children				Brenda Banwell, MD Elizabeth Kunzelman, RN
4:45 pm – 5:10 pm		➤ Exercise and Pediatric MS				Ann Yeh, MD
5:10 pm – 5:35 pm		➤ Transverse Myelitis and Flaccid Paralysis-Re-learning Old Lessons				Terri Schreiner, MD
5:35 pm – 5:45 pm		➤ Q & A				Panel
6:00 pm – 7:30 pm		Independently Supported Symposium (#6) Risk/Benefit Analysis and Therapy Selection in the Age of Expanding DMD Choices in MS This activity is supported by educational grants from Biogen and Teva Pharmaceuticals.				
7:30 pm – 8:15 pm		CMSC Business Meeting, Awards and Dinner			None	
8:30 pm – 9:30 pm		Independently Supported Symposium (#7) Yoga Moves MS: Awakening, Inspiring, and Empowering Lives This activity is supported by the International Organization of Multiple Sclerosis Nurses (IOMSN)				Megan Weigel, DNP, ARNP-c, MSCN Mindy Eisenberg, MHSA
8:30 pm – 9:30 pm		Independently Supported Symposium (#8)				

Saturday, June 4, 2016

Time	Topic/Title	Track	Type of Credit	# of Credits	Chairperson/Speakers
7:00 am – 8:00 am	Independently Supported Breakfast Symposium (#9)				
7:00 am – 9:00 am	Breakfast				
8:00 am – 8:45 am	Donald Paty Memorial Lecture: Multiple Sclerosis: Can the Damage be Undone?	SC	CME, CNE, AOTA, CPE, APA, NASW	.75	Jack Antel, MD
9:00 am – 12:00 pm	Current Topics and Trends in MS Rehabilitation: Part 4	RH	CME, NASW, AOTA	2.75	Patricia Bobryk, MHS, PT, MSCS, ATP, Chair
9:00 am – 10:30 am	➤ Pain and Quality of Life: From Pathology to Interventions				Kathleen M. Zackowski, PhD, OTR Nora Fritz, PhD, PT, DPT, NCS
10:30 am – 10:45 am	➤ Break				
10:45 am – 12:00 pm	➤ Rehab Care: An International Perspective				Christine Smith, OTR/L, MSCS Erin Giroux, BScOT(c), MSCS Pam Bostock
SYMPOSIA					
9:00 am – 12:00 pm	16 Research Symposium: How T Cells and B Cells Work Together (continuation from Friday)	SC, RS	CME, CNE	2.75	Anne Cross, MD Francisco J. Quintana, PhD Co-Chairs
9:00 am – 9:05 am	➤ Introduction				Anne Cross, MD
9:05 am – 9:45 am	➤ B cell Elimination in MS, Predictors of Good Response and Changes in CSF				Anne Cross, MD
9:45 am – 10:25 am	➤ B Cell Repertoire in MS				Kevin C. O'Connor, PhD
10:25 am – 10:40 am	➤ Break				
10:40 am – 11:20 am	➤ Regulatory B Cells in MS				Nancy Monson, PhD
11:20 am- 12:00 pm	➤ Current and Future Therapies Targeting T Cells and B Cells in MS				Amit Bar-Or, MD, FRCP(C)
9:00 am – 12:00 pm	17 Progressive MS: What We Now Know	SC, DX	CME, CNE, AOTA, CPE, APA, NASW	2.75	Alan J. Thompson, MD, FRCP, Chair

9:00 am – 9:20 am		➤ Introduction: Update on PMSA-Driving the Research Agenda				Alan J. Thompson, MD, FRCP
9:20 am – 10:10 am		➤ Mechanisms of Tissue Injury in Progressive MS				Don Mahad, MD PhD FRCP(UK)
10:10 am – 10:25 am		➤ Break				
10:25 am – 11:10 am		➤ How Can We Test Treatments for Progressive MS?				Robert Fox, MD
11:10 am – 12:00 pm		➤ Physical and Behavioural Rehabilitation in Progressive MS				Anthony Feinstein, MD, PhD
9:00 am – 12:00 pm	18	Advances in Screening, Assessment, and Treatment of Cognitive Dysfunction in MS	CG	CME, CNE, NASW, APA	2.75	Frederick W. Foley, PhD, Chair
9:00 am – 9:45 am		➤ Screening				Frederick W. Foley, PhD, Chair
9:45 am – 10:30 am		➤ Assessment				Ralph Benedict, PhD
10:30 am – 10:45 am		➤ Break				
10:45 am – 11:30 am		➤ Treatment				Nancy Chiaravalloti, MD, PhD
11:30 am – 12:00 pm		➤ Q & A				Panel
9:00 am – 12:00 pm	19	Rare Neuroimmunologic Events	SC, DX	CME, CNE, CPE	2.75	Benjamin M. Greenberg, MD, MHS, CRND, FAAN, Chair
9:00 am – 9:15 am		➤ Introduction				Benjamin M. Greenberg, MD, MHS, CRND, FAAN
9:15 am – 10:00 am		➤ Transverse Myelitis				Carlos A. Pardo, MD
10:00 am – 10:45 am		➤ Neuromyelitis Optica				Michael Levy, MD
10:45 am – 11:00 am		➤ Break				
11:00 am – 11:45 am		➤ NMDA Encephalitis				Benjamin M. Greenberg, MD, MHS, CRND, FAAN
11:45 am – 12:00 pm		➤ Q & A				Panel
9:00 am – 12:00 pm	20	Viruses in MS: PML and Beyond (VA MSCOE)	SC, DX	CME, CNE	2.75	Dennis Bourdette, MD Walter Royal, III, MD Co-Chairs
9:00 am – 9:05 am		➤ Welcome and Introduction				Dennis Bourdette, MD
9:05 am – 9:50 am		➤ Viruses as Triggers for MS Disease Activity				Walter Royal, III, MD
9:50 am – 10:35 am		➤ Update on the Role of Viral Infections in the Pathogenesis of MS				Micheline McCarthy, MD, PhD
10:35 am – 10:50 am		➤ Break				
10:50 am – 11:35 am		➤ PML Risk Factors and Mitigation Strategies in Patients with MS				Olaf Stüve, MD, PhD
11:35 am – 12:00 pm		➤ Case Based Panel Discussion				Panel
12:00 pm		Adjourn				

Tracks:

- Basic Science (SC)
- Comprehensive Care (CC)
- Disease Management (DX)
- Nursing (RN)
- Psychosocial: Cognition, Depression (CG)
- Rehabilitation (RH)
- Research (RS)
- Skills Development (SK)
- Symptom Management (SX)

Credit Types:

- AMA PRA Category 1 (CME)
- Nurse (CNE)
- Social Work (NASW)
- Pharmacist (ACPE)
- Psychologist (APA)
- Occupational Therapist (AOTA)

*All sessions are eligible for Letter of Completion/Certificate of Participation

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