

2017 Annual Meeting of the CMSC
May 24-27
Ernest N. Morial Convention Center, New Orleans, Louisiana
(as of 4/12/17)

Wednesday, May 24, 2017					
Time	Topic/Title	Track	Type of Credit	# of Credits	Chairperson/Speakers
	CMSC COMMITTEE AND PROJECT MEETINGS				
8:30 am – 10:00 am	➤ Advocacy				Marie Namey, RN, MSN, MSCN David Jones, MD
8:30 am – 10:00 am	➤ Continuing Professional Education Committee				Corey C. Ford, MD, PhD Colleen Harris, MN, NP, MSCN
8:30 am – 10:00 am	➤ Research Committee				Stephen S. Kamin, MD Peter Riskind, MD, PhD
10:00 am – 11:30 am	Independently Supported Symposium (#1) Personalizing the Management of Multiple Sclerosis: A 3 Dimensional View of Current and Emerging Therapies This activity is provided by Med Learning Group. This activity is co-provided by Ultimate Medical Academy/CCM. Supported by educational grants from AbbVie, Biogen, Genentech, Novartis Pharmaceuticals, and Teva Pharmaceuticals.				Faculty: Bruce Cohen, MD Patricia Coyle, MD
	➤ Welcome and Introduction				
	➤ Diagnosis of MS				
	➤ Treatment of MS				
	➤ Patient Burden; Quality of Life; Adherence				
	➤ Case Study				
	➤ Conclusions				
	➤ Questions/Answers				
11:30 am – 1:00 pm	Opening Ceremony and Luncheon				
12:15 pm – 1:00 pm	John F. Kurtzke Memorial Lecture: MS Comprehensive Care: A Team Sport	CC	CME, CNE, CPE,	.75	Aaron Boster, MD

			APA, AOTA, NASW		
	CLINICAL COURSES				
1:15 pm – 2:45 pm	1	MJ for MS?—An MS Health Professional’s Guide to Cannabis-Part 1	CC	CME, CNE, CPE, NASW, APA	1.5 Allen Bowling, MD, PhD
1:15 pm – 2:45 pm		➤ Introduction: History, Botany, Pharmacology			Allen Bowling, MD, PhD
1:15 pm – 2:45 pm	2	Review of Pharmacology Concepts Part 1: The Evolution of Disease Modifying Therapies	DX	CME, CNE, CPE	1.5 Kathy Tortorice, PharmD, BCPS, Chair Jacquelyn Bainbridge, PharmD, MSCS Felecia Hart, PharmD, MSCS Ellen Whipple, PharmD
1:15 pm – 2:45 pm	3	Models of Rehab Care	RH	AOTA	1.5 Susan Bennett, PT, DPT, EdD, NCS, MSCS
1:15 pm – 2:45 pm	4	Behavioral Medicine: Lifeline for MS	CG	CME, CNE, CPE, APA, NASW	1.5 Amy Sullivan, PsyD
1:15 pm – 1:45 pm		➤ Introduction and Defining the Patient Experience			Amy Sullivan, PsyD
1:45 pm – 2:15 pm		➤ The Role of the Psychiatrist in an Integrated MS Care Team			Morgan Faeder, MD, PhD
2:15 pm – 2:45 pm		➤ Successful Implementation of Behavioral Medicine into Every Day Practice; Screening, Assessing and Implementation			Claire Hara-Cleaver, CNP
1:15 pm – 2:45 pm	5	The Foundation of MS Nursing: Building your Practice: Part I	RN	CNE	1.5 Beverly Layton, RN, CCRC, MSCN Bonnie Blain, RN, MSCN
1:15 pm – 2:00 pm		➤ Setting Up Your Practice and Building Care Teams			Beverly Layton, RN, CCRC, MSCN
2:00 pm – 2:45 pm		➤ Education and How to Structure an Education Session			Sharon Peters, RN, BN, MSCN
1:15 pm – 2:45 pm	6	CMSC MRI Guidelines: A 2017 Update	DX	CME, CNE	1.5 Anthony Traboulsee, MD David K.B. Li, MD

	1:15 pm – 1:40 pm		➤ MRI Protocol				David K.B. Li, MD
	1:40 pm – 2:05 pm		➤ Gadolinium Accumulation in the Body				Kenneth Maravilla, MD
	2:05 pm – 2:30 pm		➤ Clinical Guidelines				Anthony Traboulsee, MD
	2:30 pm – 2:45 pm		➤ Q & A				Panel
	1:15 pm – 2:45 pm	7	How to Perform the EDSS: Part 1	DX, SK	CME, CNE	1.5	Stephen S. Kamin, MD
	1:15 pm – 2:45 pm	8	Basic Immunology for the Non-Immunologist	SC	CME, CNE, CPE, APA	1.5	Scott D. Newsome, DO
	1:15 pm – 1:45 pm		➤ How Does the Immune System Protect Us?				Kathleen Costello, MS, ANP-BC, MSCN
	1:45 pm – 2:15 pm		➤ What Causes CNS Inflammation in MS?				Scott D. Newsome, DO
	2:15 pm – 2:35 pm		➤ How Do the Current DMT's Affect the Altered Immune Response in MS?				Panel
	2:35 pm – 2:45 pm		➤ Q & A				Panel
	2:45 pm – 3:00 pm	Break					
		CLINICAL COURSES					
	3:00 pm – 4:30 pm	9	MJ for MS?—An MS Health Professional's Guide to Cannabis-Part 2	SC	CME, CNE, CPE, NASW	1.5	Allen Bowling, MD, PhD
	3:00 pm – 3:35 pm		➤ Addiction, Psychosis, Efficacy for Psychiatric Conditions				Mohini Ranganathan, MD
	3:35 pm – 4:10 pm		➤ Cognition and Functional Brain Changes in MS				Anthony Feinstein, MD, PhD
	4:10 pm – 4:30 pm		➤ Panel Discussion				Panel
	3:00 pm – 4:30 pm	10	Review of Pharmacology Concepts Part 2: Beyond Disease Modifying Therapies: Pharmacotherapy of Symptom Control in Multiple Sclerosis	SX	CME, CNE, CPE	1.5	Kathy Tortorice, PharmD, BCPS, Chair Ellen Whipple, PharmD Jacquelyn Bainbridge, PharmD, MSCS
	3:00 pm – 4:30 pm	11	Translating the Latest Motor Learning Evidence into Practice	RH	AOTA	1.5	Randy Karim PT, DPT, NCS, CBIS
	3:00 pm – 4:30 pm	12	There's an App for That: Novel Ways to Manage Symptoms of MS	CG	CME, CNE,	1.5	Amy Sullivan, PsyD, Chair

				APA, NASW		
3:00 pm – 3:20 pm		➤ Introduction: Theoretical Basis of Using Mobile Applications to Promote Health				Amy Sullivan, PsyD
3:20 pm – 3:40 pm		➤ Mobile Applications in the Promotion of Physical Health				Matthew Plow, PhD
3:40 pm – 4:00 pm		➤ Smartphone Shrink: Apps to Facilitate Management of Mental Health Symptoms in MS Patients				Michelle Drerup, PsyD
4:00 pm – 4:30 pm		➤ Ask the Panelists				Panel
3:00 pm – 4:30 pm	13	The Foundation of MS Nursing: Building your Practice: Part 2	RN	CNE	1.5	Beverly Layton, RN, CCRC, MSCN Bonnie Blain, RN, MSCN
3:00 pm – 3:45 pm		➤ Managing Difficult Conversations in MS				Bonnie Blain, RN, MSCN
3:45 pm – 4:30 pm		➤ Professional Growth/Sustaining Ourselves				Brenda Brelje, RN, MSCN
3:00 pm – 4:30 pm	14	CMSC MRI Guidelines: A 2017 Update (Repeat of Course 6)	DX	CME, CNE	1.5	Anthony Traboulsee, MD David K.B. Li, MD
3:00 pm – 3:25 pm		➤ MRI Protocol				David K.B. Li, MD
3:25 pm – 3:50 pm		➤ Gadolinium Accumulation in the Body				Kenneth Maravilla, MD
3:50 pm – 4:15 pm		➤ Clinical Guidelines				Anthony Traboulsee, MD
4:15 pm – 4:30 pm		➤ Q & A				Panel
3:00 pm – 4:30 pm	15	How to Perform the EDSS: Part 2	DX, SK	CME, CNE	1.5	Stephen S. Kamin, MD
3:00 pm – 4:30 pm	16	Advanced Immunology for the Non-Immunologist	SC	CME, CNE, CPE	1.5	Scott D. Newsome, DO, MSCS, Chair
3:00 pm -3:40 pm		➤ What Environmental Exposures and Lifestyle Choices Have the Greatest Impact on MS?				Kathryn Fitzgerald
3:40 pm – 4:20 pm		➤ How Does Exercise Influence the Immune System in MS?				Robert Motl, PhD
4:20 pm – 4:30 pm		➤ Q & A				Panel
4:45 pm – 6:15 pm	Independently Supported Symposium (#2)					Panel Chair and Presenter: Edward J. Fox, MD, PhD Co-Presenters: Stephen Krieger, MD, FAAN
		Guiding Patients Through the Risks and Benefits of Disease-Modifying Therapy: Patient Stories of Shared Decision-Making Throughout the Course of Multiple Sclerosis				

		This CME/CE/CPE activity is jointly provided by Medical Learning Institute, Inc. and PVI, PeerView Institute for Medical Education.			Lori Mayer, DNP, MSN, RN, MSCN
		This activity is supported by an educational grant from Sanofi Genzyme.			
	4:15 pm – 4:45 pm	Registration and Refreshments			
	4:45 pm – 5:00 pm	Welcome, Introduction, and Polling			Edward J. Fox, MD, PhD
	5:00 pm – 5:20 pm	Engaging Patients in Care at Disease Onset: Shared Decision-Making Science and Stories #1 <i>Science Behind the Story</i> PeerView Talks: <i>Story Behind the Science</i>			Edward J. Fox, MD, PhD
	5:20 pm – 5:40 pm	Maintaining a Therapeutic Alliance in Highly Active/Worsening MS: Shared Decision-Making Science and Stories #2 <i>Science Behind the Story</i> PeerView Talks: <i>Story Behind the Science</i>			Stephen Krieger, MD, FAAN
	5:40 pm – 6:00 pm	Managing Expectations and Allaying Fears About Potential Adverse Effects and Safety Monitoring: Shared Decision-Making Science and Stories #3 <i>Science Behind the Story</i> PeerView Talks: <i>Story Behind the Science</i>			Lori Mayer, DNP, MSN, RN, MSCN
	6:00 pm – 6:15 pm	Q&A and Concluding Remarks			Panel
	4:30 pm – 8:00 pm	Exhibit Hall Open			
	6:15 pm – 8:00 pm	Opening Reception in Exhibit Hall			
	6:30 pm – 7:30 pm	Product Theater			
	INFORMATIONAL AND NETWORKING DINNERS				
	8:00 pm – 9:30 pm	➤ Meet the Professor: What is New in MS Treatment: The Benefits in Everyday Clinical Practice	DX	CME, CNE, NASW	1.0 Giancarlo Comi, MD
	8:00 pm – 9:30 pm	➤ International Organization of MS Nurses (IOMSN)			None Megan Weigel, DPN, ARNP-C, MSCN, President June Halper, MSN, APN-C, FAAN, MSCN, Executive Director
	8:00 pm – 9:30 pm	➤ International Organization of MS Rehabilitation Therapists (IOMSRT)			None Patricia Bobryk, MHS, PT, MSCS, ATP, Co-Chair Susan E. Bennett, PT, DPT, EdD, NCS, MSCS, Co-Chair Peter Wade, MD, Guest Speaker

8:00 pm – 9:30 pm	➤ MS Mental Health Professionals (MS/MHP)			None	Jeffrey Wilken, PhD, Chair Frederick W. Foley, PhD, MSCS, Co-Chair
8:00 pm – 9:30 pm	➤ MS Coalition			None	Lisa Taylor Skutnik PT, MA, MA, President
8:00 pm – 10:00 pm	➤ MS Professionals in Training (MSPiT)			None	Randall T. Schapiro, MD Patricia Kennedy, RN, CNP, MSCN Brian Hutchinson, PT, MSCS
9:30 pm	VA MS Centers of Excellence East and West (MSCOE) and VA Special Interest Group (VA SIG) Reception				

Thursday, May 25, 2017					
Time	Topic/Title	Track	Type of Credit	# of Credits	Chairperson/Speakers
7:00 am – 8:00 am	<p>Independently Supported Breakfast Symposium (#3)</p> <p>Evaluating Sphingosine 1-Phosphate Receptor Modulators for Relapsing-Remitting Multiple Sclerosis: Higher Goals, Novel Drugs</p> <p>This CME activity is provided by Haymarket Medical Education.</p> <p>Supported by an educational grant from Cellegene Corporation.</p>				
6:30 am – 7:00 am	➤ Registration and Breakfast				
7:00 am – 7:20 am	➤ Relapsing-Remitting MS: Where We Stand Today				Stephen Krieger, MD, FAAN
7:20 am – 7:40 am	➤ Promise—and Potential Implications—of S1P Receptor Modulators				Timothy L. Vollmer, MD, FAAN
7:40 am – 7:50 am	➤ We Are in This Together: Shared Decision-Making in RRMS				Stephen Krieger, MD, FAAN
7:50 am – 8:00 am	➤ Key Takeaways, Closing Remarks, Post-test, Audience Q&A				
7:00 am – 9:00 am	Breakfast				
8:00 am – 8:45 am	Presidential Lecture: New McDonald Criteria	DX	CME, CNE, CPE	.75	Jeffrey Cohen, MD
9:00 am – 12:00 pm	Fundamentals of MS Care: Part 1: A Case-based Approach to Disease Management 2017	CC, DX	CME, CNE, CPE, NASW, AOTA	2.75	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, Chair
9:05 am – 9:45 am	➤ History of Multiple Sclerosis				Thomas J. Murray, MD, FRCP(C), 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 – 11:25 am	➤ Primary Progressive MS: Diagnosis, Clinical Course, and Long-term Management				Patricia K. Coyle, MD
	11:25 am – 12:05 pm	➤ RRMS: Current Treatment Options, Considerations in Choosing Treatment, Acute Relapse Management				Benjamin Thrower, MD
	9:00 am – 12:00 pm	Current Topics and Trends in MS Rehabilitation: Part 1	RH	CME, AOTA, NASW	2.75	Patricia Bobryk, MHS, PT, MSCS, ATP, Chair
	9:00 am – 10:30 am	➤ Comprehensive Overview of Rehab Outcome Measures Part 1				Lacey Bromley, PT, DPT, NCS, MSCS Mary Jo Rajek OT/L, MSCS Kate Czuba CCC-SLP/L, MSCS
	10:30 am – 10:45 am	➤ Break				
	10:45 am – 12:00 pm	➤ Comprehensive Overview of Rehab Outcome Measures Part 2				Lacey Bromley, PT, DPT, NCS, MSCS Mary Jo Rajek OT/L, MSCS Kate Czuba CCC-SLP/L, MSCS
	9:00 am – 12:00 pm	Core Concepts for the MS Nurse: International Case Based Perspectives	RN	CNE	2.50	Colleen Harris, MN, NP, MSCN, Chair
	9:00 am – 9:05 am	➤ Introduction				Colleen Harris, MN, NP, MSCN
	9:05 am – 9:40 am	➤ Are patients Truly Informed about Clinical Trial Participation?				Therese Burke, RN, CNC, MSCN
	9:40 am – 10:15 am	➤ Treatment Initiation in the Newly Diagnosed Patient				Del Thomas, RN, MSCN Karen Vernon, RN, MSCN
	10:15 am – 10:45 am	➤ Break				
	10:45 am – 11:20 am	➤ When Mental Health Issues Interfere with Disease Management				Colleen Harris, MN, NP, MSCN
	11:20 am – 11:55 am	➤ Informing our Patients About the Risks and Benefits of Therapy Escalation				Patricia Pagnotta, ARNP, MSN, CNRN, MSCN
	11:55 am- 12:00 pm	➤ Closing Comments				Colleen Harris, MN, NP, MSCN
		SYMPOSIA				
	9:00 am – 12:00 pm	1 CNS Repair and Ways to Measure It	SC	CME, CNE, CPE	2.50	Anne H. Cross, MD, Chair
	9:00 am – 9:05 am	➤ Introduction				Anne H. Cross, MD

9:05 am – 9:40 am		➤ Mechanisms of Repair and Delayed Disability Worsening in MS Provide Different Therapeutic Targets				Gavin Giovannoni, MBBCh, PhD, FCP, FRCP, FRCPath
		➤ Do Remyelination Therapies Promote Axonal Survival and Neuronal Function after Inflammatory Demyelination?				Jonah R. Chan, MD, PhD
		➤ Break				
		➤ From Biotin-responsive Basal Ganglia Disease to Progressive MS: The Story of a Serendipitous Discovery				Robert Naismith, MD
		➤ Imaging Measures of CNS Repair				Anne H. Cross, MD
		➤ Q & A				Panel
9:00 am – 12:00 pm	2	Unique Wellness Approaches to Progressive MS	SC	CME, CNE, CPE, APA, AOTA, NASW	2.50	Brian Hutchinson, PT, MSCS, Chair
9:00 am – 9:05 am		➤ Introduction to Wellness Programs for People Living with Progressive MS				Brian Hutchinson, PT, MSCS
		➤ “Building” a Virtual Wellness Model for Progressive MS: Identifying Resources in your Community				Deborah Miller, PhD, MSAA, LISW
		➤ Keeping Progressive MS Patients Engaged in the Community				James Bowen, MD
		➤ Break				
		➤ Multiple Sclerosis at Home Access (MAHA): Bringing Care into the Community				Kathleen Healey, PhD, APRN
		➤ A Community-Based Wellness Model: The MS Achievement Center in Sacramento				Brian Hutchinson, PT, MSCS
		➤ Wrap Up/Conclusions				Brian Hutchinson, PT, MSCS
9:00 am – 12:00 pm	3	Debates over Controversies in MS <i>This session was developed with support from the VA MS Centers of Excellence</i>	DX	CME, CNE	2.50	Dennis Bourdette, MD, Moderator Panel: Olaf Stuve, MD, PhD Walter Royal III, MD Benjamin Segal, MD

	9:00 am – 9:40 am	➤ Progress in Treating Progressive MS				Dennis Bourdette, MD
	9:40 am – 10:15 am	➤ Rituximab Can be Used to Treat PPMS instead of Ocrelizumab				Panel
	10:15 am – 10:45 am	➤ Break				
	10:45 am – 11:20 am	➤ Anti-CD20 Monoclonal Antibody Therapy Should be Used to Treat SPMS				Panel
	11:20 am – 12:00 pm	➤ DMTs Should be Stopped in Patients with "Inactive" MS after the Age of 60				Panel
	9:00 am – 12:00 pm	4 Cognition in MS: Update on Assessment, Neuropathology and Rehabilitation	CG	CME, CNE, APA, AOTA, NASW	2.50	John DeLuca, PhD, Chair
	9:00 am – 9:05 am	➤ Introduction				John DeLuca, PhD
	9:05 am – 9:20 am	➤ Assessment of Cognitive Impairment in MS				Ralph Benedict, PhD, ABPP-CN, FAPA
	9:20 am – 10:00 am	➤ Structural MRI and Cognition in MS: Past, Present and Future				Ralph Benedict, PhD, ABPP-CN, FAPA
	10:00 am – 10:40 am	➤ Functional MRI and Cognition in MS				Helen Genova, PhD
	10:40 am – 11:10 am	➤ Break				
	11:10 am – 11:50 am	➤ Cognitive Rehabilitation in MS				John DeLuca, PhD
	11:50 am – 12:00 pm	➤ Q & A				Panel
	10:00 am - 11:45 am	NARCOMS Executive Committee Meeting				
	10:00 am – 2:00 pm	Exhibit Hall Open				
	12:00 pm – 2:00 pm	Luncheon in Exhibit Hall				
		ROUNDTABLES				
	12:30 pm – 2:00 pm	➤ Mental Health Roundtable				
	12:30 pm – 2:00 pm	➤ NARCOMS Roundtable				
	12:30 pm – 2:00 pm	➤ NARCRMS Roundtable				
	12:30 pm – 2:00 pm	➤ Nurse Roundtable				
	12:30 pm – 2:00 pm	➤ Pharmacist Roundtable				
	12:30 pm – 2:00 pm	➤ Physician Roundtable				
	12:30 pm – 2:00 pm	➤ Rehabilitation Roundtable				
	12:30 pm – 2:00 pm	➤ VA Roundtable				
	12:30 pm – 2:00 pm	➤ Research Roundtable				

12:30 pm – 2:00 pm		➤ Journal Roundtable					
2:00 pm – 4:45 pm		Fundamentals of MS Care: Part 2: A Case-based Approach to Disease Management 2017		DX, CG, CC	CME, CNE, CPE, APA, NASW, AOTA	2.50	Constance B. Easterling, RN, MSN, ARNP, MSCN, Chair
	2:00 pm – 2:45 pm	➤ Current Recommendations and Guidelines in The Use of MRI in MS					Derrick Robertson, MD
	2:45 pm – 3:25 pm	➤ Psychological Impact of MS					Anthony Feinstein, MD, PhD
	3:25 pm – 3:35 pm	➤ Break					
	3:35 pm – 4:10 pm	➤ Neuromyelitis Optica: Diagnosis and Treatment					Maureen Mealy, RN, BSN, MSCN, CNRN
	4:10 pm – 4:45 pm	➤ Women’s Issues in MS					Jennifer Smrtka, RN, MSN, ARNP-C, MSCN
2:00 pm – 4:45 pm		Current Topics and Trends in MS Rehabilitation: Part 2		RH	CME, APA, AOTA, NASW	2.50	Patricia Bobryk, MHS, PT, MSCS, ATP, Chair
	2:00 pm – 3:30 pm	➤ The Role of the SLP in a Comprehensive Care Setting: Much More than “Speech”					Lori Ann Kostich, MS, CCC-SLP, MSCS
	3:30 pm – 3:45 pm	➤ Break					
	3:45 pm – 4:45 pm	➤ Habitual Retraining					Gabe Byars, OTR/L
SYMPOSIA							
2:00 pm – 4:45 pm		5	T Cells / B Cells – Part 1	SC, RS	CME, CNE, CPE	2.50	Francisco J. Quintana, PhD, Chair
	2:00 pm – 2:50pm		➤ The Role of Inflammation in the Shaping of Local Effector and Regulatory T cell Responses in the CNS				Thomas Korn, MD, PhD
	2:50 pm – 3:40 pm		➤ Neuromyelitis Optica: Pathogenic Insights on an Autoimmune AQP4 Channelopathy				Claudia F. Luchinetti, MD
	3:40 pm – 4:00 pm		➤ Break				
	4:00 pm – 4:45 pm		➤ Aquaporin-4-reactive T cells in Pathogenesis of Neuromyelitis Optica				Scott S. Zamvil, MD, PhD

2:00 pm – 4:45 pm	6	Pediatric MS	DX, SC	CME, CNE, CPE, APA, AOTA, NASW	2.50	Brenda Banwell, MD, FAAP, FRCPC, Chair
2:00 pm – 2:05 pm		➤ Introduction and Welcome				Brenda Banwell, MD, FAAP, FRCPC, Chair
2:05 pm – 2:45 pm		➤ Diagnosis of MS, NMOSD and MOG-related Demyelination in Pediatric Patients				Cheryl Hemingway
2:45 pm – 2:50 pm		➤ Questions				Panel
2:50 pm – 3:30 pm		➤ MRI and Biological Studies in Pediatric MS: What's New				Brenda Banwell, MD, FAAP, FRCPC
3:30 pm – 3:35 pm		➤ Questions				Panel
3:35 pm – 3:45 pm		➤ Break				
3:45 pm – 4:20 pm		➤ Clinical Trials and New Therapeutic Agents in Pediatric MS: Current Challenges and Next Steps				Tanuja Chitnis, MD
4:20 pm – 4:45 pm		➤ Questions				Panel
2:00 pm – 4:45 pm	7	Use of Lipid Metabolism Blockers and Modifiers for the Treatment of MS: A Paradigm Shift for the Treatment of MS	SC	CME, CNE, CPE	2.50	John Nieland, MD, Chair
2:00 pm – 2:30 pm		➤ Lipid Metabolism a New Target with High Potential in CNS Diseases				John Nieland, MD, Chair
2:30 pm – 3:15 pm		➤ Fats on Your Brain: The Link Between Lipid Metabolism and Demyelinating Diseases				Angelique Corthals, PhD
3:15 pm – 3:30 pm		➤ Break				
3:30 pm – 4:15 pm		➤ Looking at Multiple Sclerosis as a Systemic Disease; Comparing the Effect of the Lipid Metabolism Blocker, Etomoxir with the Inflammatory Blocker, Interferon-Beta				Anne Skottrup Morkholt, PhD
4:15 pm – 4:45 pm		➤ Modification Like Citrullination and MDA Adducts, Lipidation and the Immune System; a Ménage a Trois Gone Wrong in Multiple Sclerosis				Kenneth Kastaniegaard, PhD
2:00 pm – 4:45 pm	8	Update on Gender Issues in MS	CC, DX	CME, CNE, CPE,	2.50	Patricia K. Coyle, MD, Chair

				NASW, APA		
2:00 pm – 2:15 pm		➤ Introduction				Patricia K. Coyle, MD
2:15 pm – 2:30 pm		➤ Pediatric MS				Sona Narula, MD
2:30 pm – 2:55 pm		➤ What Do We Know About Pregnancy?				Patricia K. Coyle, MD
2:55 pm – 3:20 pm		➤ Perimenopause/Menopause and MS				Dina Jacobs, MD
3:20 pm – 3:40 pm		➤ Break				
3:40 pm – 4:05 pm		➤ Hormonal Use in MS				Maria Houtchens, MD
4:05 pm – 4:25 pm		➤ Male Specific Issues in MS				Clyde E. Markowitz, MD
4:25 pm – 4:45 pm		➤ Panel Q & A				Panel
2:00 pm – 4:45 pm	9	Interdisciplinary Approach to Managing Sexuality Issues in Patients with MS	CG	CME, CNE, CPE, APA, AOTA, NASW	2.50	Frederick W. Foley, PhD, Chair Samantha Domingo, PsyD, Co-Chair
2:00 pm - 2:45 pm		➤ Sexual Dysfunction in Individuals with MS: Why We Should Focus on Assessment and Treatment				Samantha Domingo, PsyD
2:45 pm – 3:30 pm		➤ Assessment of Sexual Dysfunction and Advances in Evidence-Based Treatments				Frederick W. Foley, PhD, Chair
3:30 pm – 3:45 pm		➤ Break				
3:45 pm – 4:30 pm		➤ Bridging the Communication Gap between Patients and Providers and the Impact of Cycle of Symptoms on Sexual Function				Marie Namey, RN, MS, MSCN
4:30 pm – 4:45 pm		➤ Q & A				Panel
2:00 pm – 4:45 pm	10	Building Opportunities and Connecting Women MS Neurologists	CC	CME, CNE	2.50	Jacqueline Nicholas, MD, MPH, Chair
2:00 pm – 2:15 pm		➤ Issues Unique to Women Professionals				Carrie Hersch, DO, MS
2:15 pm – 2:30 pm		➤ Gender Gap				Jacqueline Nicholas, MD, MPH
2:30 pm – 3:15 pm		➤ Panel Discussion				Panel
3:15 pm – 3:30 pm		➤ Break				
3:30 pm – 3:45 pm		➤ Mentoring/Networking				Mary Allisa Willis, MD
3:45 pm – 4:00 pm		➤ Professional Communication				Mary Rensel, MD
4:00 pm – 4:45 pm		➤ Panel Discussion				Panel
4:00 pm – 8:30 pm	Exhibit Hall Open					

5:00 pm – 6:30 pm	<p>Independently Supported Symposium (#4)</p> <p>Practical Insights: Understanding Autoimmune Events Associated with LEMTRADA® (alemtuzumab)</p> <p>An non-accredited symposium supported by Sanofi Genzyme.</p>				
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	
6:45 pm – 7:45 pm	Product Theater				
8:30 pm – 9:30 pm	<p>Independently Supported Symposium (#5)</p> <p>Squeezed for Time? Getting the Best Out of Appointments</p> <p>An non-accredited symposium sponsored by MS in the 21st Century</p> <p>Supported by an educational grant from Merck KGaA</p>				<p>Panel:</p> <p>Prof Sven Schippling, MD</p> <p>Sarah Morrow, MD, FRCPC, MS</p> <p>Celia Oreja-Guevara, MD</p> <p>Pieter van Galen</p> <p>Jane Shanahan</p>
8:30 pm – 9:30 pm	Independently Supported Symposium (#6)				

Friday, May 26, 2017					
Time	Topic/Title	Track	Type of Credit	# of Credits	Chairperson/Speakers
7:00 am – 8:00 am	Independently Supported Breakfast Symposium (#7)				
7:00 am – 9:00 am	Breakfast				
7:45 am – 8:45 am	John Whitaker Memorial Lecture How Research on Pediatric MS Can Inform Thoughts on MS Pathogenesis	SC	CME, CNE, CPE	.75	Jerry Wolinsky, MD, Moderator Emmanuelle Waubant, MD, PhD
9:00 am – 12:00 pm	Whitaker Track	SC	CME, CNE	2.75	Michael K. Racke, MD, Chair
9:00 am – 9:15 am	➤ Introduction				Michael K. Racke, MD
9:15 am – 9:45 am	➤ MiRNAs as Potential Risk Factors for Multiple Sclerosis				Amy Lovett-Racke, PhD
9:45 am – 10:15 am	➤ MiR-223 Modulates Myeloid-derived Suppressor Cells in Multiple Sclerosis and its Animal Model				Laura Piccio, MD, PhD
10:15 am – 10:45 am	➤ MicroRNA Regulation of Astrocyte Reactivity				Jack Antel, MD
10:45 am – 11:00 am	➤ Break				
11:00 am – 11:15 am	➤ Establishing the Relationship of Quantitative Vibratory Sensation and Sensory Cortical Areas in Multiple Sclerosis				Nora Fritz, PhD, PT, DPT, NCS
11:15 am – 11:30 am	➤ A Single-Session Training of Ball Throwing Exercise Improves Balance Control in Individuals with Multiple Sclerosis				Yunju Lee, PhD
11:30 am – 11:45 am	➤ The Feasibility of a Patient Informed, Racially Tailored, Home-Based Exercise Program for Black Persons with Multiple Sclerosis				Dominique Kinnett-Hopkins, BS
11:45 am – 12:00 pm	➤ Capitalising on the Opinions of Persons with MS to Inform the Main Trial. Participant Opinions from Participation in a Feasibility Study				Yvonne Learmonth, PhD
9:00 am – 12:00 pm	Fundamentals of MS Care: Part 3: A Case-based Approach to Symptom Management 2017	SK, RH, SX	CME, CNE, CPE, APA, AOTA, NASW	2.75	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 – 9:50 am	➤ Integrative Medicine in MS				Megan Weigel, DPN, ARNP-C, 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	➤ Managing Symptoms Affecting Activities of Daily Living				Tracy Carrasco, OT, MSCS
	9:00 am – 12:00 pm	Current Topics and Trends in MS Rehabilitation: Part 3	RH	CME, AOTA, NASW	2.75	Patricia Bobryk, MHS, PT, MSCS, ATP, Chair
	9:00 am – 10:30 am	➤ Highlights from the 6 th International Symposium on Gait and Balance in MS: Sensory Contributions				Michelle Cameron, MD, PT, MCR Gail Widener, PT, PhD Kathleen Zackowski, PhD, OTR, MSCS
	10:30 am – 10:45 am	➤ Break				
	10:45 am – 12:00 pm	➤ Getting Started in Clinical Research				Gary R. Cutter, PhD
SYMPOSIA						
	9:00 am – 12:00 pm	11 Function of Myeloid Cells in CNS Inflammation with a Focus on Microglia Cells and CNS-invading Macrophages During MS	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	➤ Microglia Responses during CNS Inflammation				Ari Waisman, PhD
	9:45 am – 10:20 am	➤ Distinct Roles for Microglia & Macrophages during CNS Inflammation				Dorian McGavern, PhD
	10:20 am – 10:50 am	➤ Break				
	10:50 am – 11:25 am	➤ Innate Immunity and Dementia				Marco Colona, MD
	11:25 am – 12:00 pm	➤ Brain Invading Phagocytes: The True Executors of CNS Tissue Damage				Burkhard Becher, PhD
	9:00 am – 12:00 pm	12 A New Paradigm of MS Care: Optimizing Health through the Integration of Lifestyle, Alternative, and Conventional Medicine	CC	CME, CNE, CPE, APA, AOTA, NASW	2.50	Allen Bowling, MD, PhD, Chair
	9:00 am – 9:35 am	➤ Integrative Medicine, Non-Pharmacologic Symptomatic Therapy, Overview of Nutrition and MS				Allen Bowling, MD, PhD

	9:35 am – 10:15 am		➤ Focus on Nutrition: Obesity and MS				Tanuja Chitnis, MD
	10:15 am – 10:45 am		➤ Break				
	10:45 am – 11:20 am		➤ Focus on Nutrition: Biotin and MS				Ayman Tourbah, MD
	11:20 am – 12:00 pm		➤ Culinary Medicine in Clinical Delivery				Timothy S. Harlan, MD, FACP
	9:00 am – 12:00 pm	13	Depression & Suicide in MS: What We Know and What We Can Do About It	CG	CME, CNE, CPE, APA, NASW AOTA	2.50	Rosalind Kalb, PhD, Chair
	9:00 am – 9:30 am		➤ A Family's Loss Fuels Research to Understand Suicide Risk in MS				Rosalind Kalb, PhD Devin Tomiak
	9:30 am – 10:15 am		➤ Depression in MS: Etiology, Epidemiology and the Risk of Suicide				Anthony Feinstein, MD, PhD
	10:15 am – 10:45 am		➤ Break				
	10:45 am – 11:45 am		➤ Suicide: Strategies for Prevention and Coping with its Aftermath				Doreen Marshall, PhD
	11:45 am – 12:00 pm		➤ Panel Discussion				Panel
	9:00 am – 12:00 pm	14	Effective Management Strategies for Complex Symptoms of MS	CC, SX, DX	CME, CNE, NASW, AOTA, APA	2.50	Kathleen Costello, MS, ANP-BC, MSCN, Chair
	9:00 am – 9:15 am		➤ Welcome and Introductions				Kathleen Costello, MS, ANP-BC, MSCN
	9:15 am – 10:15 am		➤ Complex Disorders of Mood Associated with MS: Assessment and Management				Adam Kaplin, MD, PhD
	10:15 am – 10:45 am		➤ Break				
	10:45 am – 11:20 am		➤ Complex Mobility Issues in MS: Assessment and Management				Scott Newsome, DO
	11:20 am – 11:55 am		➤ Complex Visual Symptoms Associated with MS: Assessment and Management				Robert Shin, MD
	11:55 am – 12:00 pm		➤ Conclusion				Kathleen Costello, MS, ANP-BC, MSCN, Chair
	10:00 am – 2:00 pm	Exhibit Hall Open					
	12:00 pm – 2:00 pm	Luncheon in Exhibit Hall					

12:15 pm – 1:15 pm		Product Theater A Product Symposium from Genentech, Inc. - OCREVUSTM (ocrelizumab) Injection, for Intravenous Use					Meghan Kinnetz, MSN, ARNP, FNP-BC, MSCN
2:00 pm – 5:00 pm		Fundamentals of MS Care: Part 4: A Case-based Approach to Symptom Management 2017		SX, CC, CG	CME, CNE, CPE, APA, AOTA, NASW	2.75	Constance B. Easterling, RN, MSN, ARNP, MSCN, Chair
	2:00 pm – 2:40 pm	➤ Managing Sleep Disorders					David Brandes, MS, MD, FAAN, MSCS
	2:40 pm – 3:20 pm	➤ Managing Symptoms of Elimination					Marie Namey, RN, MS, MSCN
	3:20 pm – 3:30 pm	➤ Break					
	3:30 pm – 4:15 pm	➤ Invisible Symptoms: Depression, Cognitive Dysfunction					Patricia Pagnotta, MSN, ARNP, MSCN
	4:15 pm – 5:00 pm	➤ Effect of MS on Sexual Function, Pregnancy and Menopause					Mary Kay Fink, MSN, ARNP, MSCN
2:00 pm – 5:00 pm		15	T Cells / B Cells – Part 2	SC	CME, CNE, CPE	2.75	Francisco J. Quintana, PhD, Chair
	2:00 pm – 2:40 pm		➤ Role of GM-CSF in the Pathogenic Function of Th-17 cells in Autoimmune CNS Demyelination				Abdolmohamad Rostami, MD, PhD
	2:40 pm – 3:20 pm		➤ The Relative Importance of Th1 versus Th17 Cells in MS				Benjamin M. Segal, MD
	3:20 pm – 3:35 pm		➤ Break				
	3:35 pm – 4:15 pm		➤ Environmental Regulation of the T cell Response				Francisco J. Quintana, PhD
	4:15 pm – 5:00 pm		➤ Novel Cytokine Pathways in MS				Alexandre Prat, MD, PhD, FRCPc
		PLATFORM PRESENTATIONS					
2:00 pm – 4:00 pm		➤ Psychosocial: Cognition, Depression		CG	CME, CNE, APA, NASW, AOTA	2.0	Jeffrey Wilken, PhD, Moderator
2:00 pm – 4:00 pm		➤ Disease Management, Imaging and Therapeutics		DX	CME, CNE,	2.0	

			CPE, AOTA		
2:00 pm – 4:00 pm	➤ Rehabilitation Interventions	RH	CME, AOTA	2.0	
2:00 pm – 4:00 pm	➤ Comprehensive Care in MS and Symptom Management	CC, SX	CME, CNE, AOTA	2.0	
4:00 pm – 4:15 pm	Break				
	WORKSHOPS				
4:15 pm – 5:45 pm	1 Using Digital Tools to Enhance MS Care	CC	CME, CNE, CPE, NASW, AOTA	1.5	Riley Bove, MD, Chair
4:15 pm – 4:30 pm	➤ Introduction and Overview: Patient Disease Management Tools in MS				Riley Bove, MD
4:30 pm – 5:05 pm	➤ Digital Tools to Increase Physical Activity				Valerie Block, PT, DPTSc
5:05 pm – 5:40 pm	➤ Digital Tools to Increase Overall Well-being, including Emotion and Cognition				Adam Kaplin, MD, PhD
5:40 pm – 5:45 pm	➤ Summary: An Expanding Digital Toolkit to Enhance MS Care				Riley Bove, MD
4:15 pm – 5:45 pm	2 Empowering Patients by Making Them Part of the Engineering Team	CC	CME, CNE, CPE, APA, AOTA, NASW	1.5	Christopher C. Luzzio, MD, Chair
4:15 pm -4:45 pm	➤ Engineering Projects for Rehabilitation, Community Service, and Empowering our Patients				Christopher C. Luzzio, MD
4:45 pm – 5:15 pm	➤ Tools and Methods for Design and Fabrication				Christopher Westphal, PhD
5:15 pm – 5:45 pm	➤ Human Factors				Amrish Chourasia, PhD
4:15 pm – 5:45 pm	3 Treating Individuals and Providing Population Based Care Using Large Data <i>This session was developed with support from the VA MS Centers of Excellence</i>	CC	CME, CNE	1.5	Jodie K. Haselkorn, MD, MPH, Co-Chair Mitchell T. Wallin, MD, MPH, Co-Chair
4:15 pm – 4:25 pm	➤ Introduction				Jodie K. Haselkorn, MD, MPH

	4:25 pm – 4:50 pm		➤ Using MS Registries & Datasets to Optimize Patient Outcomes				Mitchell T. Wallin, MD, MPH
	4:50 pm – 5:15 pm		➤ Rigorous Ascertainment of Disease and Outcomes is Key for Population-Based Care Using Large Data				W. Joel Culpepper, PhD, MA
	5:15 pm – 5:35 pm		➤ Clinical Case: Improving Patient-Centered Care with Large Data				Heidi W. Maloni, PhD, ANP-BC, CCRN, MSCN
	5:35 pm – 5:45 pm		➤ Discussion and Questions				Panel
	4:15 pm – 5:45 pm	4	Evaluating Potential Clinical Trials: What to Know	RS	CME, CNE, CPE	1.5	Andrew D. Goodman, MD Eileen Scheid RN, MSN, MSCN
	4:15 pm – 4:35 pm		➤ PI Responsibilities				Andrew D. Goodman, MD
	4:35 pm – 4:55 pm		➤ Time is Money				Eileen Scheid, RN, MSN
	4:55 pm – 5:15 pm		➤ Who, When and Where				Jessica Robb, MD
	5:15 pm – 5:30 pm		➤ Case Study: Putting the Pieces Together				Panel
	5:30 pm – 5:45 pm		➤ Q & A				Panel
	4:15 pm – 5:45 pm	5	The Collaborative Approach to MS Care	CC	CME, CNE, CPE, NASW, AOTA	1.5	Bryan Walker, MHS, PA-C, Chair Edward J. Fox, MD, PhD, FAAN Stephanie Agrella, RN, MSN, APRN, ANP-BC, MSCN Mark Skeen, MD
	4:15 pm – 5:45 pm	6	Scales and Measures in MS	RS	CME, CNE, NASW, AOTA, APA	1.5	Robert Herndon, MD, Chair
	4:15 pm – 5:00 pm		➤ Scales for Clinical Use in MS				Robert Herndon, MD
	5:00 pm – 5:45 pm		➤ Quality of Life Scales and Sexuality Scales				Frederick W. Foley, PhD, MSCS
	4:15 pm – 5:45 pm	7	Neuromyelitis Optica Spectrum Disorders	SC	CME, CNE, CPE	1.5	Dean Wingerchuk, MD, MSc, FRCP, Chair
	4:15 pm – 4:40 pm		➤ Neuromyelitis Optica Spectrum Disorders-Basic Science Update				May Han, MD
	4:40 pm – 5:05 pm		➤ Diagnosis of Neuromyelitis Optica Spectrum Disorders				Dean Wingerchuk, MD, MSc, FRCP
	5:05 pm – 5:30 pm		➤ Treatment of Neuromyelitis Optica Spectrum Disorders				Ilana Katz Sand, MD

	5:30 pm – 5:45 pm		➤ Q & A				Panel
	4:15 pm – 5:45 pm	8	What Have We Learned from Registries?	RS	CME, CNE	1.5	Gary R. Cutter, PhD Kottil Rammohan, MD
	4:15 pm – 5:45 pm	9	Wellness in MS: Methodology for Clinical Studies	RS	CME, CNE, APA, NASW, AOTA	1.5	Lynne Shinto, ND, MPH, Chair Nicholas G. LaRocca, PhD
	4:15 pm – 4:30 pm		➤ Considerations in Conducting Dietary Intervention Trials in People with Multiple Sclerosis				Ellen Mowry, MD
	4:30 pm – 4:45 pm		➤ Exercise and Multiple Sclerosis: Overview, Gaps, and Next Steps				Robert Motl, PhD
	4:45 pm – 5:00 pm		➤ Emotional Wellness: Gaps and Opportunities in Mind-Body Research				Dawn Ehde, PhD
	5:00 pm – 5:15 pm		➤ What NOT To Do If You Want Your Grant Application Funded				Nicholas LaRocca, PhD
	5:15 pm – 5:45 pm		➤ Q & A				Panel
	6:00 pm – 7:30 pm		<p>Independently Supported Symposium (#8)</p> <p>MS⁴: <u>S</u>equencing, <u>S</u>witching, <u>E</u>scalation, and <u>S</u>ymptom Management</p> <p>This CME/CE activity is jointly provided by Postgraduate Institute for Medicine and Catamount Medical Education.</p> <p>This activity is supported by educational grants from Biogen and Genzyme, a Sanofi Company.</p>				
	7:30 pm – 8:15 pm		CMSC Awards Reception			None	

Saturday, May 27, 2017						
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: Induction or Aggressive Treatment for Multiple Sclerosis: Is it Right for Most, Some or No Patients?		SC	CME, CNE, CPE, NASW	.75	Brian G. Weinshenker, MD
9:00 am – 12:00 pm	Current Topics and Trends in MS Rehabilitation: Part 4		RH	CME, AOTA, NASW	2.75	Patricia Bobryk, MHS, PT, MSCS, ATP, Chair
9:00 am – 10:30 am	➤ Bowel and Bladder Dysfunction: What Role Does Rehab Play?					Marlene Murphy-Setzko, MD
10:30 am – 10:45 am	➤ Break					
10:45 am – 12:00 pm	➤ Adaptive Sports					Gus LaZear, MBA, CTRS
SYMPOSIA						
9:00 am – 12:00 pm	16	Microbiome	SC	CME, CNE	2.75	Tanuja Chitnis, MD, Chair
9:00 am – 9:15 am		➤ Introduction and Overview				Tanuja Chitnis, MD
9:15 am – 9:45 am		➤ Immune Modulation by the Gut Microbiome in MS				Sergio Baranzini, PhD
9:45 am – 10:15 am		➤ Gender-Specific Influence of the Early-life Microbiota in Experimental Autoimmune Encephalomyelitis				Laura Cox, PhD
10:15 am – 10:30 am		➤ Break				
10:30 am – 11:00 am		➤ The Gut Microbiome in Pediatric MS				Emmanuelle Waubant, MD, PhD
11:00 am – 11:30 am		➤ Microbiome-Directed Therapeutics for MS				Tanuja Chitnis, MD
11:30 am – 12:00 pm		➤ Q & A				Panel
9:00 am – 12:00 pm	17	Comorbidities	DX, CC	CME, CNE, CPE, AOTA,	2.75	Ruth Ann Marrie, MD, PhD, FRCPC, Chair

				APA, NASW		
9:00 am – 9:20 am		➤ Introduction – Terminology, What is Comorbidity, and Prevalence of Medical Comorbidity				Ruth Ann Marrie, MD, PhD, FRCPC
9:20 am – 10:15 am		➤ Psychiatric Comorbidity in MS				Anthony Feinstein, MD, PhD
10:15 am – 10:30 am		➤ Break				
10:30 am – 11:05 am		➤ Effects of Comorbidity on Outcomes in MS				Ruth Ann Marrie, MD, PhD, FRCPC
11:05 am – 12:00 pm		➤ Influence of Comorbidity on Rehabilitation				Marcia Finlayson, PhD, OTR
9:00 am – 12:00 pm	18	BEAT-MS: Who, What, Why, When and Where?	SC	CME, CNE, CPE	2.75	Michael K. Racke, MD, Chair
9:00 am – 9:45 am		➤ Rationale for Stem Cell Transplant in Multiple Sclerosis				Michael K. Racke, MD
9:45 am – 10:30 am		➤ Mechanistic Rationale and Insights from Monoclonal Antibody Therapy vs. Autologous Hematopoietic Stem Cell Transplantation for Treatment of Multiple Sclerosis				Paolo Muraro, MD
10:30 am – 10:45 am		➤ Break				
10:45 am – 11:30 am		➤ Rationale for Selecting the Transplant Conditioning Regimen for the BEAT- MS Trial				George Georges, MD
11:30 am – 12:00 pm		➤ Panel Discussion				Michael K. Racke, MD Paolo Muraro, MD George Georges, MD Dawn Smikel, MD, PhD
9:00 am – 12:00 pm	19	Informal Caregiving: From Theory to Practice	CG	CME, CNE, APA, NASW, AOTA	2.75	Deborah Miller, PhD, LISW, MSAA, Chair
9:00 am – 9:05 am		➤ Introducton				Deborah Miller, PhD, LISW, MSAA
9:05 am – 9:40 am		➤ The Family Caregiving Experience				Deborah Miller, PhD, LISW, MSAA
9:40 am – 10:15 am		➤ The Stress and Burnout that Results from Family Caregiving				Matthew Sacco, PhD

10:15 am – 10:45 am		➤ Break					
10:45 am – 11:20 am		➤ Interventions to Support Family Members as Caregivers who Experience Stress and Burnout					Lucille Carriere, PhD
11:20 am – 11:55 am		➤ Case Discussion					Panel
11:55 am – 12:00 pm		➤ Wrap Up/Conclusions					Deborah Miller, PhD, LISW, MSAA
9:00 am – 12:00 pm	20	DMT Treatment Decisions in MS: Sorting out the Data	CC	CME, CNE, CPE, NASW	2.75		Edward J. Fox, MD, PhD, FAAN, Chair
9:00 am – 9:10 am		➤ Introduction					Edward J. Fox, MD, PhD, FAAN
9:10 am – 9:45 am		➤ Prognostic Factors in MS					Sibyl Wray, MD
9:45 am – 10:25 am		➤ Risk:Benefit Assessment in Early Treatment					Ann Bass, MD
10:25 am – 10:40 am		➤ Break					
10:40 am – 11:05 am		➤ NEDA - Realistic Goal?					Corey Ford, MD, PhD
11:05 am – 11:40 am		➤ Methods to Develop Algorithms for DMT Use					Edward J. Fox, MD, PhD, FAAN
11:40 am – 12:00 pm		➤ Discussion					Panel
12:00 pm	Adjourn						

<p>Tracks:</p> <ul style="list-style-type: none"> • Basic Science/Environmental Factors (SC) • Comprehensive Care (CC) • Disease Management (DX) • Nursing (RN) • Psychosocial: Cognition, Depression (CG) • Rehabilitation (RH) • Research (RS) • Skills Development (SK) • Symptom Management (SX) 	<p>Credit Types:</p> <ul style="list-style-type: none"> • AMA PRA Category 1 (CME) • Nurse (CNE) • Social Work (NASW) • Pharmacist (CPE) • Psychologist (APA) • Occupational Therapist (AOTA) <p>*All sessions are eligible for Letter of Completion/Certificate of Participation</p>
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