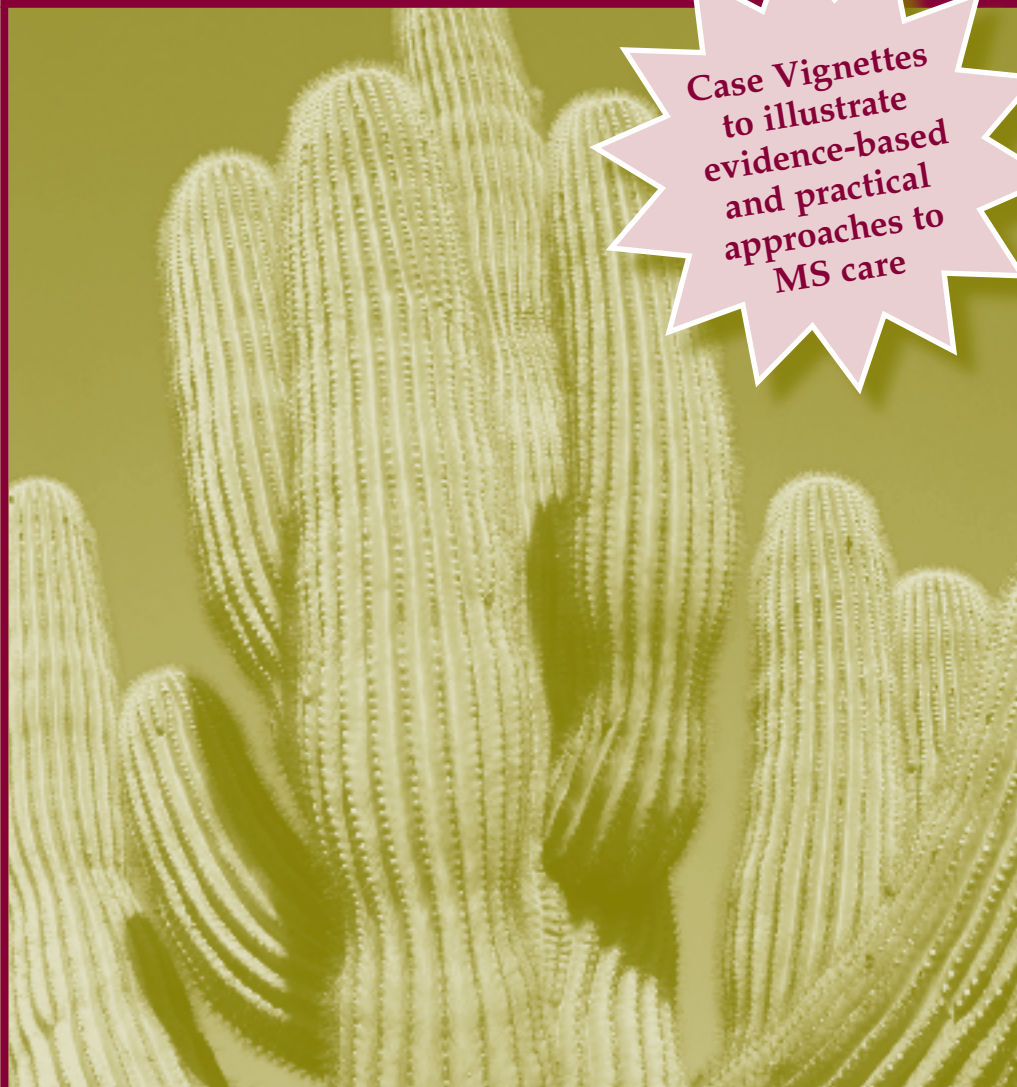


Multiple Sclerosis 2009: Update and Practical Management Strategies

REGISTER NOW!



Case Vignettes
to illustrate
evidence-based
and practical
approaches to
MS care

**Saturday-Sunday
March 14-15, 2009**

**Scottsdale Marriott at McDowell Mountains
Scottsdale, Arizona**

COURSE HIGHLIGHTS

Care of the patient with multiple sclerosis (MS) has become increasingly complicated and challenging in an era of multiple therapies for MS, some of which may have significant adverse events. This course will provide practical, evidence-based clinical guidance and describe the latest research advances to help physicians optimally care for patients with multiple sclerosis. Course participants will have the opportunity to present challenging cases to the faculty in small-group breakout sessions; and there will be extensive interaction with the faculty via panel discussions and question and answer sessions.

COURSE LEARNING OBJECTIVES

Upon completion of this course, participants should be able to:

- Differentiate multiple sclerosis (MS) from other central nervous system inflammatory demyelinating syndromes.
- Describe typical and atypical MRI appearances of MS.
- Describe ways pediatric MS differs in its clinical presentation compared to adult-onset MS.
- Critically appraise the literature supporting current disease-modifying therapies in MS, and identify knowledge gaps in the literature.
- Describe higher-risk biological agents currently being used and under development as MS therapies.
- Explain mechanisms of neuronal repair and remyelination in MS.
- Describe how the pathophysiology and treatment of neuromyelitis optica differs from conventional MS.
- Describe the immune mechanisms underlying MS disease pathogenesis, and how understanding of these can be used to develop novel MS therapies.

DISCLAIMER

Attendance at this Mayo course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

CREDIT

College of Medicine, Mayo Clinic is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

College of Medicine, Mayo Clinic designates this educational activity for a maximum of 9.5 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Application for CME credit has been filed with the American Academy of Family Physicians. **Determination of credit is pending.**

EDUCATIONAL GRANTS

This course is supported in part by educational grants, in accordance with ACCME standards.

As of this printing, a complete listing of commercial supporters was not available. Appropriate acknowledgment will be given to all supporters at the meeting. Exhibits will be available for viewing at all scheduled breaks.

MEETING LOCATION & ACCOMMODATIONS

**Scottsdale Marriott at McDowell Mountains • 16770 North Perimeter Drive
Scottsdale, Arizona 85260 • www.scottsdalemarrriott.com**

Set amid the calming beauty of the desert and a serene blend of Southwestern culture, the Scottsdale Marriott at McDowell Mountains is a magnificent retreat that combines a spectacular setting with the convenience and amenities of an all-suite luxury hotel. When you're ready for a good workout, the state-of-the-art fitness center, complete with whirlpool and sauna, is fully equipped with aerobic and weight machines to accommodate different levels. If it is a breath-taking view you're after, you won't have to venture too far. The Marriott offers spectacular views of Camelback, Piestewa Peak and the McDowell Mountains right outside the front door. Plus, the Marriott is ideally situated between some of the finest restaurants and upscale shopping in the North Scottsdale/Carefree area. For more information, visit the hotel's web site at www.scottsdalemarrriott.com.

The Scottsdale Marriott at McDowell Mountains has reserved a limited block of rooms at a special group rate of \$259 (USD), single or double, per night, for course participants and guests. Group rates will be honored three (3) days prior to and three (3) days after the course dates, based on group room availability. To ensure accommodations, make your reservation before February 20, 2009. Reservation requests received after February 20 will be on a space-available basis at the contracted group rate.

To make your reservation, call (800) 288-6127 or (480) 502-3836. When making reservations, identify yourself as a participant of the Mayo Clinic Multiple Sclerosis course.

All guest room rates are quoted exclusive of applicable state and local taxes. Check-in time is 4:00 pm and check-out time is noon. Attendees are responsible for their own reservations. The standard hotel individual reservation cancellation policy will apply to individual reservations, unless otherwise specified.

RECREATION/LEISURE ACTIVITIES

Visit www.visitphoenix.com or www.scottsdalecvb.com for additional recreation and leisure activities.

GROUND TRANSPORTATION

Hertz is offering a reduced daily rate for participants attending the course.

Call (800) 654-2240 and refer to CV Number 03NR0004 when making reservations.

SuperShuttle vans offer airport transportation to and from the hotel. To make reservations, call (800) 258-3826 or (602) 244-9000, or visit its web site at www.SuperShuttle.com.

PROGRAM

Saturday March 14, 2009

Part I: MS Clinical and Research Update

- 7:00 AM Registration and Continental Breakfast
- 7:45 **Welcome, Introductions and Course Overview**
- 8:00 **The Role of MRI in Diagnosis, Management and Understanding the Pathology of MS**
Istvan Pirko, MD
- 8:45 **Natural Human Monoclonal Antibodies in the Treatment of Demyelinating Diseases**
Moses Rodriguez, MD
- 9:30 Refreshment Break
- 9:45 **Acquired CNS Demyelinating Disease: Special Considerations in Children and Adolescents**
Nancy L. Kuntz, MD
- 10:30 **Neuromyelitis Optica Spectrum Disorders**
Dean M. Wingerchuk, MD
- 11:15 **Panel Discussion: MS Research**
Faculty
- 11:30 Lunch (*provided*)

Part 2: Practical MS Management

- 12:30 PM **Management of MS with "Traditional" Disease-Modifying Therapies**
B. Mark Keegan, MD
- 1:00 **"Higher Risk" MS Therapies for Refractory or Progressive Disease**
Jonathan L. Carter, MD
- 1:30 Refreshment Break
- 1:45 **Vignette-Based Seminar: Therapeutic Challenges in MS**
Small Group Discussions facilitated by Nuhad E. Abou Zeid, MD, William F. Schmalstieg, MD, and Mayo Clinic Faculty
- 3:00 Adjourn

Part 2: Practical MS Management *(continued)*

7:00 AM	Registration and Continental Breakfast
7:30	Announcements
7:45	Cortical Demyelination Occurs Early in MS: Implications for Pathogenesis and New Therapeutic Targets Richard M. Ransohoff, MD
8:30	Diagnosis of MS: From McDonald to Beyond Brian G. Weinshenker, MD
9:00	Autoimmune Neurology: A 21st Century Subspecialty Sean J. Pittock, MD
9:30	Refreshment Break
9:45	Symptomatic Therapy for MS Complications Orhun H. Kantarci, MD
10:15	Gender Issues in MS Elizabeth A. Shuster, MD
10:45	Panel Discussion: MS Management Issues Faculty
Noon	Closing Comments and Evaluation
12:15 PM	Adjourn

MAYO CLINIC FACULTY

Nuhad E. Abou Zeid, MD
MS Fellow

Jonathan L. Carter, MD*
Associate Professor of Neurology

Orhun H. Kantarci, MD
Assistant Professor of Neurology

B. Mark Keegan, MD
Assistant Professor of Neurology

Nancy L. Kuntz, MD
Assistant Professor of Neurology

Sean J. Pittock, MD
Associate Professor of Neurology

Moses Rodriguez, MD
Professor of Immunology and Neurology

William F. Schmalstieg, MD
MS Fellow

Elizabeth A. Shuster, MD
Assistant Professor of Neurology

Brian G. Weinshenker, MD
Professor of Neurology

Dean M. Wingerchuk, MD*
Professor of Neurology

* Course Co-Directors

GUEST FACULTY

Istvan Pirko, MD
Department of Neurology
University of Cincinnati
Cincinnati, Ohio

Richard M. Ransohoff, MD
Lerner Research Institute
Cleveland Clinic Foundation
Cleveland, Ohio

FACULTY DISCLOSURE

As a provider accredited by ACCME, College of Medicine, Mayo Clinic (Mayo School of CME) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course Director(s), Planning Committee Members, Faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty will also disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.

REGISTRATION FORM

2009S505
AMA

Multiple Sclerosis 2009: Update and Practical Management Strategies March 14-15, 2009

The registration fee is \$375 through Friday, February 27, 2009, and \$400 thereafter for physicians active in practice, which includes continental breakfasts, lunch on Saturday, refreshment breaks, and an electronic syllabus*. A special registration fee of \$325 through February 27, 2009 and \$350 thereafter is available for residents, retired physicians, and allied health colleagues. A letter of confirmation will be sent upon receipt of payment and completed registration form. If you do not receive a confirmation letter, or if you require additional information, please send an e-mail to mca.cme@mayo.edu or call (480) 301-4580. Please have this letter accessible when checking in at the meeting registration desk.

*Note: In lieu of a paper copy, your registration fee will include an electronic syllabus on CD-ROM. Note that all of the course materials received prior to the course will be included in this version. You will receive the CD-ROM (PC Format) upon checking in at the registration desk. You are welcome to bring a laptop; power receptacle availability is limited. If you remain interested in a paper copy of the syllabus, it is available for an additional charge of \$75 (see registration form).

No refund will be granted unless a written notice of cancellation is received. If registration must be canceled, tuition less a \$75 administrative fee will be refunded when notification is received on or before February 27, 2009. No refunds will be made after February 27, 2009. *Although it is not Mayo Clinic's policy to limit the number of registrants for a course, conference room facilities may necessitate closure of enrollment. Early registration is strongly recommended. Walk-in registrations cannot be guaranteed.* Mayo Clinic is not responsible for expenses incurred by an individual who is not confirmed and for whom space is not available at the meeting. Costs incurred by the registrant such as airline or hotel fees or penalties are the responsibility of the registrant.

In case of an emergency, you may be reached at the conference by calling Scottsdale Marriott at McDowell Mountains at (480) 502-0653.

To expedite registration, register online at <http://www.mayo.edu/cme/>, or fax this form with your credit card noted to (480) 301-8323; or mail to Mayo Clinic, Mayo School of CME, 13400 East Shea Boulevard, Scottsdale, Arizona 85259. For questions, please e-mail mca.cme@mayo.edu or call (480) 301-4580.

Your type of practice: Solo Group University Resident/Fellow Retired Other: _____

Years in practice: 0-4 5-10 11-15 16-25 > 25

Course Registrant List (Check only if you want your name removed)


I do not want information (ie, name, degree, city, and state) to appear on the course registrants' list.

Contact Information

 Please print or type all information. Duplicate form for multiple registrations.

Name of Registrant – first, middle, and last name		Institution	
Degree/Certification		Medical Specialty	
Preferred mailing address is: (select one) <input type="checkbox"/> Work/Business <input type="checkbox"/> Home			
Address			
City		State/Province	ZIP/Postal Code
Country	Email		
Daytime Telephone		Fax	
SPECIAL NEEDS If you have special assistance needs or dietary restrictions, describe here:			

Registration

Course Registration Fee:	Through 2/27/2009	After 2/27/2009	
<input type="checkbox"/> Physicians Active in Practice	\$375	\$400	\$ _____
<input type="checkbox"/> Other (Resident, retired and allied health)	\$325	\$350	\$ _____
 *Syllabus: An electronic version of the syllabus on CD-ROM (PC Format) is included as part of your registration. If you are interested in a paper copy, you may purchase one for an additional fee. Please check the box below to confirm your order. The paper syllabus may be picked-up at the registration desk along with your registration packet. (Note: Due to printing deadlines, this option will not be available after February 27, 2009.)			
<input type="checkbox"/> Yes – I would like to order a paper copy of the Multiple Sclerosis 2009 Syllabus	\$75		\$ _____
Total Payment Enclosed			\$ _____

Payment Information

 (US Funds Only)

<input type="checkbox"/> Check is enclosed in the amount shown at right – make checks payable to Mayo Clinic CME		Payment Total
Credit Card (select one)	Account Number	Exp. Date (mm/yy)
<input type="checkbox"/> Discover <input type="checkbox"/> MC <input type="checkbox"/> Visa		
Signature		Date

Upcoming CME Opportunities in Neurology

Epilepsy Update 2009 – November 6-7, 2009

Parkinson's Disease and Other Movement Disorders for
the Practitioner 2009 – November 13-14, 2009

Upcoming Courses

Mayo Clinic Symposium on Anesthesia and Perioperative
Medicine – February 18-21, 2009

Mayo Clinic Interactive Surgery Symposium 2009 –
February 22-27, 2009

Gastroenterology and Hepatology Linked to Endoscopy:
Mayo Clinic's 7th Annual Winter Course
in Scottsdale – February 23-27, 2009

Update on Women's Health – March 5-7, 2009
Emergency Medicine 2009 – Moving Forward
March 15-18, 2009

Clinical Reviews 2009 – A Family Practice and Internal
Medicine Update – March 25-28, 2009

Multidisciplinary Update in Pulmonary and Critical Care
Medicine 2009 – April 23-26, 2009

**Online registration or more information
available at www.mayo.edu/cme/**

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13400 East Shea Boulevard
Scottsdale, Arizona 85259
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