2nd International Conference on
Giant Cell Arteritis
and Polymyalgia Rheumatica

August 22 - 25, 2002

Hosted by: Mayo Clinic
Rochester, Minnesota, USA

Conference Director – Jörg J. Goronzy, M.D.
Conference Co-Directors – Gene G. Hunder, M.D.
Cornelia M. Weyand, M.D.
Brian R. Young, M.D.
Leslie T. Cooper Jr., M.D.
Anthony W. Stanson, M.D.

Man and Freedom by Ivan Mestrovic, Gonda Building, Mayo Clinic
Vitruvian Man by Leonardo da Vinci
COURSE DESCRIPTION

Current research and clinical concepts on giant cell arteritis and polymyalgia rheumatica and related syndromes. Course and poster presentations will cover topics in rheumatology, ophthalmology, geriatrics, genetics, immunology and vascular medicine.

- Aging and autoimmunity
- Genetic risk factors
- Mechanism of arterial injury in vasculitic condition
- Vascular imaging studies in diagnosis
- Diagnosis of polymyalgia rheumatica
- Treatment of giant cell arteritis
- Long-term outcome of patients

COURSE LEARNING OBJECTIVES

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

- Interpret diagnostic tests in GCA/PMR
- Identify aging-induced changes of the immune system
- Explain the influence of immunological aging on GCA/PMR
- Explain the mechanisms and the clinical implications of vascular damage in GCA
- Differentiate GCA/PMR from disorders that mimic these diseases
- Distinguish different disease manifestations of GCA/PMR
- Assess treatment options for GCA/PMR

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.

INTENDED AUDIENCE

Researchers and clinicians interested in giant cell arteritis and polymyalgia rheumatica, clinicians and scientists interested in inflammatory vasculopathies, rheumatologists, primary internists and general practitioners, ophthalmologists and physicians involved in vascular medicine.

CREDIT

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

Mayo Foundation designates this educational activity for a maximum of 15.25 hours in category 1 credit towards the AMA Physician’s Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

Other health care professionals will be provided a certificate of attendance for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

POSTER PRESENTATIONS

Participants are invited to submit a poster for presentation. If interested, please send a brief abstract (<250 words) including the title and co-authors by May 12, 2002 to lambert.michael@mayo.edu or FAX to the attention of Michael Lambert @ 507-284-0532. If your presentation is selected you will receive further information prior to the course.

On-line abstract form available at www.mayo.edu/cme/giantcell/abstract_form.doc

“Man and Achievement” series by William Zorach, east wall, Mayo Building, Mayo Clinic
EDUCATIONAL GRANTS

This course is supported in part by educational grants from industry, in accordance with ACCME Standards.

**LEADER**
Merck & Co., Inc.

**PATRON**
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**CONTRIBUTOR**
Osborn Medical Corporation
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At the time of this printing, a complete listing of commercial supporters was not available. Appropriate acknowledgment will be given to all supporters at the time of the meeting.

DATE & LOCATION

‘Giant Cell Arteritis and Polymyalgia Rheumatica’ will be held August 22-25, 2002. Course headquarters will be located in Leighton Auditorium on the second floor of the Siebens Building, Mayo Clinic, 100 Second Avenue Southwest, Rochester, Minnesota. Meeting facilities are easily accessible by skyway and pedestrian subway, which connect Mayo Clinic to shops, theaters, restaurants, and hotels. Mayo Clinic is the world’s largest private medical center and proud to be hosting the 2nd International Conference on Giant Cell Arteritis and Polymyalgia Rheumatica.

REGISTRATION

To register, complete the attached registration form and return by mail or fax. The registration fee includes tuition, comprehensive course syllabus, continental breakfasts, break refreshments, lunch and welcome receptions. Although it is not Mayo School of Continuing Medical Education policy to limit the number of registrants for a course, conference room facilities may necessitate closing of enrollment; therefore, early registration is strongly advised. A letter of confirmation will be sent upon receipt of payment and completed registration form. Please present this letter when checking in at the meeting registration desk.

CANCELLATION POLICY

Your registration fee, less a $50 administrative fee, will be refunded when written notification is received by the Mayo School of Continuing Medical Education before August 8, 2002.

No refunds will be made after August 8, 2002.

TRAVEL

Rochester, Minnesota, United States of America is a friendly city that greets thousands of visitors from around the world each year. The city is serviced by a modern international airport with multiple flights daily from Chicago and Minneapolis via American or Northwest Airlines. Access to and from the airport is provided by taxi cab and shuttle service. The airport is located approximately 10 driving miles from the Mayo Clinic complex.

Northwest Airlines is the official carrier for this Mayo course. Reduced airfares are available for participants by calling Julie Hammes at Corporate Travel, 800-526-4540, or 507-287-7463, or email julie@ctsrst.com. Please reference Mayo Clinic Giant Cell Arteritis when making travel arrangements. Reduced airfares are subject to availability. It is highly recommended that air travel be booked 60 or more days prior to travel date.
## Lodging Accommodations

Blocks of guest rooms have been reserved with special course rates at each of the following downtown Rochester hotels. To ensure accommodations and the discounted rate, please make your reservations by **August 1, 2002**, and identify yourself as a participant of the Mayo Clinic Giant Cell Arteritis course.

<table>
<thead>
<tr>
<th>Hotel Name</th>
<th>Address/Location</th>
<th>Room Rates</th>
<th>Phone Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hilton Garden Inn</strong></td>
<td>225 South Broadway</td>
<td>$65 single/ double</td>
<td>800-445-8667 or 507-285-1234</td>
</tr>
<tr>
<td><strong>Kahler Grand Hotel</strong></td>
<td>20 Second Avenue SW</td>
<td>$69 single/ double</td>
<td>800-533-1655 or 507-282-2581</td>
</tr>
<tr>
<td><strong>Radisson Plaza Hotel</strong></td>
<td>150 South Broadway</td>
<td>$75 single/ double</td>
<td>800-333-3333 or 507-281-8000</td>
</tr>
<tr>
<td><strong>Rochester Marriott Hotel</strong></td>
<td>101 First Avenue SW 877-623-7775 or 507-280-6000</td>
<td>$99 single/ double</td>
<td>800-241-1597 or 507-252-8200</td>
</tr>
<tr>
<td><strong>Kahler Inn and Suites</strong></td>
<td>9 Third Avenue NW</td>
<td>$69 single/ double – standard</td>
<td>800-533-1655 or 507-289-8646</td>
</tr>
<tr>
<td><strong>Holiday Inn City Centre</strong></td>
<td>220 South Broadway</td>
<td>$79 single/ double – suite</td>
<td>800-333-3333 or 507-252-8200</td>
</tr>
</tbody>
</table>

The hotels listed above are connected by skyway and pedestrian subway to conference facilities, downtown shops, restaurants and theaters. Visit the Rochester Convention and Visitors Bureau website [www.rochestercvb.org](http://www.rochestercvb.org) for additional accommodation options.

## Parking

Parking is available in hotel, city, and Mayo patient/visitor ramps. The cost for parking is not included in the registration fee. A map indicating the location of downtown parking facilities will be mailed with the registrant confirmation letter.

## Social Programs

<table>
<thead>
<tr>
<th>Event Name</th>
<th>Date/Time</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Opening Reception</strong></td>
<td>Thursday, August 22, 2002 7:00 – 9:00 p.m.</td>
<td>A welcome reception will be held for attendees in the Grand Lobby of the Gonda Building at the Mayo Clinic. The Gonda Building was designed to unite medical professionals, researchers and teachers to provide the best care for patients. The addition of the Gonda Building has made Mayo Clinic the largest interconnected clinical facility of its kind in the world. Open to conference attendees and a guest, registration required.</td>
</tr>
<tr>
<td><strong>Garden Reception</strong></td>
<td>Friday, August 23, 2002 7:00 – 9:00 p.m.</td>
<td>The former residence of Mayo Clinic co-founder, Dr. Charles H. Mayo and three generations of the Mayo family, Mayowood mansion has 40 rooms furnished with French, English, Irish, German and American antiques, spacious grounds and beautiful gardens. Open to conference attendees and a guest, registration required.</td>
</tr>
<tr>
<td><strong>Mississippi River Cruise</strong></td>
<td>Saturday, August 24, 2002 2:30 – 7:30 p.m.</td>
<td>Conference attendees are invited to cruise the mighty Mississippi River and enjoy a delicious dinner aboard <em>Spirit of the Water</em>. Registration required. $50 includes transportation between Rochester and Red Wing, dinner, tax and gratuities.</td>
</tr>
</tbody>
</table>
FACULTY

Conference Director
Jörg J. Goronzy, MD

Conference Co-Directors
Gene G. Hunder, MD
Cornelia M. Weyand, MD
Brian R. Younge, MD
Leslie T. Cooper Jr., MD
Anthony W. Stanson, MD

Faculty
Rune Andersson, MD, Skaraborg Hospital, Gothenburg University, Sweden
Paul A. Bacon, MD, University of Birmingham, United Kingdom
Bengt-Ake Bengtsson, MD, Sahlgrenska University Hospital, Sweden
Johannes Björnsson, MD, University of Iceland, Iceland
D. Blockmans, MD, University Hospital Gasthuisberg, Belgium
Fabrizio Cantini, MD, Ospedale di Prato, Italy
Marco Cimmino, MD, University of Genova, Italy
Leslie T. Cooper Jr., MD, Mayo Clinic, USA
Blaskar Dasgupta, MD, FRCP, Southend Hospital, United Kingdom
Pierre Duhaut, MD, Hôpital de la Pitie-Salpetrière, France
Hanne Elling, MD, Århus University Hospital, Denmark
Torkell Ellingsen, MD, PhD, Århus University Hospital, Denmark
William Ershler, MD, Institute for Advance Studies in Aging and Geriatric Medicine, USA
Sherine Gabriel, MD, Mayo Clinic, USA
Jörg J. Goronzy, MD, Mayo Clinic, USA
Gary Hoffman, MD, Cleveland Clinic, USA
Gene G. Hunder, MD, Mayo Clinic, USA
Carol Langford, MD, National Institute of Health, USA
Paul J. Leibson, MD, PhD, Mayo Clinic, USA
Víctor Martínez-Taboada, MD, Hosp. Marques de Valdecilla, Spain
Eric L. Matteson, MD, Mayo Clinic, USA
Mehrdad Mazlumzadeh, MD, Mayo Clinic, USA
G. Nesher, MD, Shaare-Zedek Medical Center, Isreal
Claes Nordborg, MD, Sahlgrenska University Hospital, Sweden
Elisabeth Nordborg, M.D., Sahlgrenska University Hospital, Sweden
William Ollier, PhD, University of Manchester, United Kingdom
Stephen Paget, MD, Hospital for Special Surgery, USA
Dhavalkumar Patel, MD, PhD, Duke University, USA
Jeffrey L. Platt, MD, Mayo Clinic, USA
Thom W. Rooke, MD, Mayo Clinic, USA
Carlo Saltarari, MD, Arcispedale Santa Maria Nuova, Italy
Michael Schirmer, MD, University Hospital Innsbruck, Austria
Wolfgang Schmidt, MD, Medical Center for Rheumatology Berlin-Buch, Germany
Ulrich Specks, MD, Mayo Clinic, USA
Anthony W. Stanson, MD, Mayo Clinic, USA
David M. Stern, MD, Columbia University, USA
John Stone, MD, MPH, Johns Hopkins Vasculitis Center, USA
Agneta Uddhammar, MD, Norrlands University Hospital, Sweden
Cornelia M. Weyand, MD, Mayo Clinic, USA
Frank A. Wolheim, MD, Lund University Hospital, Sweden
Brian R. Younge, MD, Mayo Clinic, USA
THURSDAY, AUGUST 22, 2002

2:30 – 4:00 p.m. Pre-meeting of the GCA-PMR Study Group
(open to all, registration required)

3:30 p.m. Registration – Leighton Auditorium, Siebens Building, Mayo Clinic Campus
Chairs: Jörg J. Goronzy, MD – Mayo Clinic, USA
Cornelia M. Weyand, MD – Mayo Clinic, USA

5:00 p.m. Opening remarks

5:15 p.m. Giant Cell Arteritis: What We Have Learned and What We Still Need to Know
Gene G. Hunder, MD – Mayo Clinic, USA

5:45 p.m. Large Vessel Vasculitis
Gary Hoffman, MD – Cleveland Clinic, USA

7:00 p.m. OPENING RECEPTION, Grand Lobby, Gonda Building, Mayo Clinic

FRIDAY, AUGUST 23, 2002

7:00 – 8:00 a.m. CONTINENTAL BREAKFAST

RESEARCH SYMPOSIUM I
Immunology and Aging

Chairs: Leslie T. Cooper Jr., MD – Mayo Clinic, USA
Bengt-Åke Bengtsson, MD – Sahlgrenska University Hospital, Sweden

8:00 a.m. The Innate Immune System
Paul J. Leibson, MD, PhD – Mayo Clinic, USA

8:40 a.m. IL-6 and Aging
William Ershler, MD – Institute for Advanced Studies in Aging and Geriatric Medicine, USA

9:20 a.m. Aging and the Adaptive Immune System
Dhavalkumar Patel MD, PhD – Duke University, USA

10:00 a.m. REFRESHMENT BREAK/ EXHIBITS

10:30 a.m. Autoimmunity and Aging
Jörg J. Goronzy, MD – Mayo Clinic, USA

11:10 a.m. Polymyalgia Rheumatica/Giant Cell Arteritis and Age:
Something Other Than Autoimmunity
Victor Martinez-Taboada, MD – Hosp. Marques de Valdecilla, Spain

11:30 a.m. Monocyte Chemoattractant Protein 1 in Giant Cell Arteritis
and Polymyalgia Rheumatica
Torkell Ellingsen, MD, PhD – Århus University Hospital, Denmark

12:00– 1:30 p.m. LUNCH AND POSTER VIEWING

POSTER DISCUSSION GROUP
Pathogenic Aspects of Giant Cell Arteritis and Polymyalgia Rheumatica

Chairs: Eric L. Matteson, MD – Mayo Clinic, USA
Hanne Elling, MD – Århus University Hospital, Denmark
2:00 p.m.    Giant Cell Arteritis: Arteriosclerosis and Vasculitis?  
Epidemiological Evidence  
Pierre Duhaut, MD - Hôpital de la Pitie-Salpetriere, France

2:20 – 3:00 p.m. POSTER PRESENTATIONS

CLINICAL SCIENCE SYMPOSIUM I  
Treatment and Outcome of Giant Cell Arteritis/Polymyalgia Rheumatica

Chairs: Frank A. Wollheim, MD, PhD, FRCP - Lund University Hospital, Sweden  
Stephen Paget, MD - Hospital for Special Surgery, USA

3:30 p.m.    Epidemiology of Giant Cell Arteritis  
Sherine Gabriel, MD - Mayo Clinic, USA

4:10 p.m.    Treatment and Outcome of Giant Cell Arteritis and Polymyalgia Rheumatica  
Carol Langford, MD - National Institute of Health, USA

4:30 p.m.    Difficulties with the Diagnosis in Polymyalgia Rheumatica and Giant Cell Arteritis: Cautionary Tales and A Suggested Clinical Approach  
Bhaskar Dasgupta, MD, FRCP – Southend Hospital, United Kingdom

4:50 p.m.    High Dose Pulse Intravenous Glucocorticoid Infusion as the Initial Treatment of Giant Cell Arteritis  
Mehrdad Mazlumzadeh, MD - Mayo Clinic, USA

5:10 p.m.    Treatment of Polymyalgia Rheumatica: Beyond Oral Steroids  
Marco Cimmino, MD – University of Genova, Italy

7:00 p.m.    RECEPTION, Mayowood

SATURDAY, AUGUST 24, 2002

7:00 – 8:00 a.m. CONTINENTAL BREAKFAST

RESEARCH SYMPOSIUM II  
Immune System, Vascular Biology, and Giant Cell Arteritis

Chairs: Thom W. Rooke, MD – Mayo Clinic, USA  
Paul A. Bacon, MD – University of Birmingham, United Kingdom

8:00 a.m.    RAGE - Ligand Interaction: A Novel Proinflammatory Pathway  
David M. Stern, MD – Columbia University, USA

8:45 a.m.    Blood Vessels in the Initiation and Manifestations of Regional Immunity  
Jeffrey L. Platt, MD – Mayo Clinic, USA

9:30 a.m.    REFRESHMENT BREAK/ EXHIBITS

10:00 a.m.   Arterial Injury in Giant Cell Arteritis  
Cornelia M. Weyand, MD – Mayo Clinic, USA

10:40 a.m.   Microscopic Diagnosis of Giant Cell Arteritis  
Johannes Björnsson, MD – University of Iceland, Iceland

11:00 a.m.   Morphological Aspects in the Pathogenesis of Giant Cell Arteritis - I  
Elisabeth Nordborg, MD - Sahlgrenska University Hospital, Sweden

11:20 a.m.   Morphological Aspects in the Pathogenesis of Giant Cell Arteritis - II  
Claes Nordborg, MD – Sahlgrenska University Hospital, Sweden
11:40 a.m. Giant Cell Arteritis and Cardiovascular Disease
Agneta Uddhammar, MD - Norrlands University Hospital, Sweden

12:00 –1:00 p.m. LUNCH AND POSTER VIEWING

POSTER DISCUSSION GROUP
Genetic Aspects of Giant Cell Arteritis and Polymyalgia Rheumatica

Chair: Michael Schirmer, MD – University Hospital Innsbruck, Austria

1:00 p.m. The Genetic Basis of Polymyalgia Rheumatica and Giant Cell Arteritis
William Ollier, PhD – University of Manchester, United Kingdom

1:20 – 2:00 pm POSTER PRESENTATIONS

2:30 – 7:30 p.m. Mississippi River Dinner Cruise

SUNDAY, AUGUST 25, 2002

8:00 – 9:00 a.m. CONTINENTAL BREAKFAST AND POSTER VIEWING

POSTER DISCUSSION GROUP
Clinical Issues of Giant Cell Arteritis and Polymyalgia Rheumatica

Chairs: Rune Andersson, MD, PhD – Skaraborg Hospital, Gothenburg University, Sweden
Fabrizio Cantini, MD – Ospedale di Prato, Italy

9:00 a.m. Irreversible Cerebral and Ophthalmic Ischemic Complications in Giant Cell Arteritis: Risk Factors and Prevention
G. Nesher, MD – Shaare-Zedek Medical Center, Israel

9:20 – 10:00 a.m. POSTER PRESENTATIONS

CLINICAL SCIENCE SYMPOSIUM II
Diagnostics in Giant Cell Arteritis and Polymyalgia Rheumatica

Chairs: John Stone, MD, MPH – Johns Hopkins Vasculitis Center, USA
Ulrich Specks, MD – Mayo Clinic, USA

10:00 a.m. Vascular Imaging
Anthony W. Stanson, MD – Mayo Clinic USA

10:40 a.m. Laboratory Investigations in Giant Cell Arteritis and Polymyalgia Rheumatica
Carlo Salvirani, MD – Arcispedale Santa Maria Nuova, Italy

11:00 a.m. Color Doppler Sonography in Diagnosis of Giant Cell Arteritis and Polymyalgia Rheumatica
Wolfgang Schmidt, MD – Medical Center for Rheumatology Berlin-Buch, Germany

11:20 a.m. Temporal Artery Biopsy Considerations
Brian R. Younge, MD – Mayo Clinic, USA

11:40 a.m. FDG-Positron Emission Tomography in Giant Cell Arteritis and Polymyalgia Rheumatica
D. Blockmans, MD – University Hospital Gasthuisberg, Belgium

12:00 p.m. Evaluations and Adjournment

12:30 – 2:00 p.m. Post-meeting of the GCA-PMR Study Group
(open to all, registration required)
# Registration Form

**Giant Cell Arteritis and Polymyalgia Rheumatica**

*August 22 – 25, 2002*

**Mayo Clinic**  
**Rochester, Minnesota, USA**

Mail form and payment to:  
Mayo School of Continuing Medical Education  
200 First Street SW  
Rochester, MN 55905

Telephone: 800-323-2688 or 507-284-2509  
FAX: 507-284-0532  
Website: www.mayo.edu/cme  
E-Mail: cme@mayo.edu

**(Please print or type all information. You may duplicate this form for multiple registrations.)**

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Institution</th>
<th>Medical Specialty</th>
<th>E-mail Address</th>
</tr>
</thead>
</table>

Which is your preferred mailing address:  
- [ ] Work/Business  
- [ ] Home

Address

City_________________State/PV________ZIP/Postal Code________Country_________________

Home Telephone (______)__________________ Business Telephone (______)_________________

Int'l Telephone (Country code)_________(City code)_________(Phone)___________________

FAX________________________________________________________________________________

□ Please check if you have any special assistance needs or dietary restrictions.  
Please indicate your needs here: ______________________________________________________

□ Yes  □ No Pre-meeting Study Group, Thursday, August 22, 2:30-4:00 p.m.  
□ Yes  □ No Post-meeting Study Group, Sunday, August 25, 12:30-2:00 p.m.

## PAYMENT

<table>
<thead>
<tr>
<th>Registration Fee:</th>
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</thead>
<tbody>
<tr>
<td>Physicians: $300</td>
<td>$_________</td>
</tr>
<tr>
<td>Residents and Physician Assistants: $250</td>
<td>$_________</td>
</tr>
<tr>
<td>Opening Reception: Gonda Building</td>
<td># _____ attending (complimentary)</td>
</tr>
<tr>
<td>Mayowood Reception</td>
<td># _____ attending (complimentary)</td>
</tr>
<tr>
<td>Mississippi River Dinner Cruise</td>
<td>$50/person $_________</td>
</tr>
</tbody>
</table>

Total Payment Enclosed: $_________

□ Check (payable to Mayo Foundation)  
□ Credit Card: □ Visa □ MasterCard □ Discover

Card Number  
Expiration date MO/YR

Signature  
Date

## Faculty Disclosure

As a provider accredited by ACCME, Mayo Foundation must ensure balance, independence, objectivity and scientific rigor in its educational activities. All faculty participating in a Mayo Foundation activity are required to disclose commitments to and/or relationships with pharmaceutical companies, biomedical device manufacturers or distributors, or others whose products or services may be considered to be related to the subject matter of the educational activity. Faculty will also disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of these commitments and/or relationships will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.