

*Coagulation Testing Quality:
Lessons and Issues from Quality
Assessment, Standardization, and
Improvement Programs and Studies*

June 15-17, 2005

**Heritage Hall, The Kahler Grand Hotel
Rochester, Minnesota**



A jointly sponsored program of:

- *North American Specialized Coagulation Laboratory Association (NASCOLA)*
- *Mayo Clinic Division of Hematology and Internal Medicine and the Department of Laboratory Medicine and Pathology*
- *Mayo Medical Laboratories, a division within Mayo Reference Services*





COURSE DESCRIPTION

This conference provides a unique international forum for communication and discussion of current issues in coagulation diagnostic laboratory testing quality and standardization. The program will feature interactive discussions of presentations from representatives of national and international societies and organizations conducting external quality assessment, standardization, or improvement programs for coagulation diagnostic testing. Additional speakers will present information about other studies of coagulation diagnostic testing quality and standardization, as well as quality assurance and improvement processes. This conference is jointly sponsored in collaboration with the North American Specialized Coagulation Laboratory Association (NASCOLA).

COURSE LEARNING OBJECTIVES

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

- Explain the general features and goals of quality assessment and improvement processes
- Identify national and international programs and organizations focusing on coagulation testing quality
- Describe practice issues related to coagulation testing quality for monitoring anticoagulation therapy
- Appreciate the quality challenges associated with testing for lupus anticoagulants and anti-phospholipid antibodies
- Understand the complexities of testing for disorders of platelets and platelet function
- Summarize testing quality issues for diagnosis and treatment of von Willebrand's disease
- Evaluate issues associated with the quality of testing for thrombophilic disorders
- Comprehend the role of the coagulation diagnostics industry in achieving high-quality testing

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

This program is designed for laboratorians, hematologists, pathologists, scientists, laboratory technologists, and clinicians whose practices and interests include laboratory and clinical aspects of bleeding and prothrombotic disorders.

CREDIT

This activity has been planned and implemented in accordance with the Essentials and Standards of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of Mayo Clinic College of Medicine and the North American Specialized Coagulation Laboratory Association (NASCOLA). Mayo Clinic College of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Mayo Clinic College of Medicine designates this educational activity for a maximum of 19.25 category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits he/she actually spent in the activity.

EDUCATIONAL GRANTS

This course is supported in part by educational grants from coagulation-related diagnostics and therapeutics corporations, in accordance with ACCME Standards.

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 AND LOCATION

The Coagulation Testing Quality conference will be held June 15-17, 2005. Course headquarters will be located in Heritage Hall on the lower level of The Kahler Grand Hotel, 20 Second Avenue SW, Rochester, Minnesota. Meeting facilities are easily accessible by skyway and pedestrian subway, which connect to shops, restaurants, and hotels.

REGISTRATION

To register, complete the attached registration form and return by mail or fax. The registration fee includes tuition, comprehensive course syllabus, daily continental breakfast and lunch, break refreshments, and receptions.

Although it is not Mayo Medical Laboratories Education Department's 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 forwarded to your e-mail address upon receipt of payment and completed registration form. Please indicate your e-mail address on the registration form. Present the letter of confirmation 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 Mayo Medical Laboratories Education Department before May 18, 2005 (fax: 507-284-8016). No refunds will be made after May 18, 2005.

TRAVEL

Rochester, Minnesota, is a friendly city that greets thousands of visitors from around the world each year. The city is served 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 Kahler Grand Hotel.

For travel arrangements, you may contact Lynne Korte at Corporate Travel at 800-526-4540 or 507-287-7468; fax: 507-281-2409; or e-mail: lynn@ctsinc.com. Identify yourself as attending the Mayo Medical Laboratories conference.

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 May 17, 2005, and identify yourself as a participant of the Coagulation Testing Quality conference.

Hilton Garden Inn

225 South Broadway
800-445-8667 or 507-285-123
\$92.00 single/double

Radisson Plaza Hotel

150 South Broadway
800-333-3333 or 507-281-8000
\$99.00 single/double

Kahler Grand Hotel

20 Second Avenue SW
800-533-1655 or 507-282-2581
\$79.00 single/double

Rochester Marriott Hotel

101 First Avenue SW
877-623-7775 or 507-280-6000
\$115.00 single/double

The hotels listed above are connected by skyway and pedestrian subway to conference facilities, downtown shops, and restaurants. You may also wish to visit the Rochester Convention and Visitors Bureau Web site (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 sent with the registrant confirmation letter.

SPECIAL EVENTS (COMPLIMENTARY FOR CONFERENCE ATTENDEES)

- Rochester Art Gallery Reception
Wednesday evening, June 15
- Conference Reception and Hemostasis Product Display
Thursday evening, June 16

SOCIAL PROGRAMS

Public tours of Mayo Clinic are provided each day of the week beginning at 10:00 am, except for holidays. The tours originate from Judd Auditorium, Subway Level of the Mayo Building, and last approximately 1.5 hours. The tour includes a 20-minute film on the history and operation of Mayo Clinic plus visits to points of interest in the Mayo, Plummer, Hilton, and Gonda Buildings. Please make advance reservations by calling 507-538-1091.

Mall of America, the largest fully-enclosed retail and family entertainment complex in the United States, is an easy 90-minute drive or shuttle ride from Rochester. Along with 500 retail stores, restaurants, and nightclubs, the mall features Knott's Camp Snoopy, the world's largest indoor theme park, and UnderWater World, a walk-through aquarium featuring 15,000 fish. Rochester Direct shuttle service will pick up at all local hotels, and departs every two hours from 8:00 am – 8:30 pm. The cost is \$30 per person round-trip. For reservations, call Rochester Direct at 800-280-9270 or visit their Web site: www.rochesterdirect.com



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FACULTY DISCLOSURE

As a provider accredited by ACCME, Mayo Clinic College of Medicine must ensure balance, independence, objectivity and scientific rigor in its educational activities. All faculty participating in a Mayo Clinic College of Medicine 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.

CONFERENCE SCHEDULE

Heritage Hall, The Kahler Grand Hotel – Subway Level

Wednesday, June 15, 2005

7:00-7:45 AM **Registration and Breakfast**
Heritage Hall foyer, The Kahler Grand Hotel, Subway Level
(Exhibits Open – Windsor Hall)

7:45-8:00 AM **Welcome and Introductions**
Heritage Hall, The Kahler Grand Hotel

Session I: Laboratory Quality

Moderator: Rajiv K. Pruthi, MD

8:00-8:30 AM **Be Careful – You May Get What You Ask For**
Robert M. Kisabeth, MD

8:30-9:00 AM **Six Sigma & ISO 2003**
Marlies R. Ledford-Kraemer, MBA, BS, MT (ASCP), SH

9:00-9:20 AM **Quality is Universal**
Sheryl A. Tran

9:20-9:40 AM **Our Quality Journey**
Mary H. Hopper, MA, MT (ASCP)

9:40-10:00 AM **Quality System Overview**
Kris R. Arney, MT (ASCP)

10:00-10:30 AM Break – Windsor Hall (Exhibits Open – Windsor Hall)

10:30-11:00 AM **Lean Thinking**
Brian D. Nass, BS, MS

11:00-11:30 AM **Test Validation Processes and Criteria**
Mark J. Magera, MA

11:30-12:00 PM **Panel Discussion and Questions**

12:00-1:15 PM Luncheon – Marriott Ballroom
(Exhibits Open – Windsor Hall)

Session II. Coagulation Laboratory Quality and Standardization Programs and Organizations

Moderator: William L. Nichols, MD

1:15-2:00 PM **The CAP Coagulation Resource Committee – Evolution, Processes and Outcomes**
John D. Olson, MD, PhD

2:00-2:45 PM **The UK-NEQAS Organization and Its Contributions to Coagulation Testing Quality**
F. Eric Preston, MD

2:45-3:15 PM **The ECAT Program: What Have We Learned About Coagulation Testing Quality?**
Piet Meijer, PhD

3:15-3:45 PM Break (Exhibits Open – Windsor Hall)

3:45-4:05 PM **NASCOLA: An Evolving Presence in North America**
Alvin H. Schmaier, MD

4:05-4:25 PM **The ISLH: Contributions to Hemostasis Testing Quality**
Kandice Kottke-Marchant, MD, PhD

4:25-4:45 PM **NCCLS (CLSI) and Coagulation Testing Guidelines and Standards**
Dorothy M. Adcock, MD

4:45-5:15 PM **Panel Discussion and Questions**

6:00 PM Rochester Art Gallery Reception
Rochester Art Gallery (Transportation will be provided)

Thursday, June 16, 2005

6:50-7:50 AM Breakfast
Heritage Hall foyer (Exhibits Open – Windsor Hall)

7:50-8:00 AM Announcements

8:00-8:30 AM **The ISTH and Coagulation Diagnostic Standardization and Quality**
Gilbert C. White II, MD

Session III. Anticoagulation Therapy Monitoring

Moderator: James L. Zehnder, MD

8:30-9:00 AM **How Good is Your INR? The Use of Certified Plasmas in PT/INR Testing**
Dorothy M. Adcock, MD

9:00-9:30 AM **APTT Testing and Heparin Monitoring**
Catherine P.M. Hayward, MD, PhD

9:30-10:00 AM **Low Molecular Weight Heparins (LMWH): Assay Issues**
Layna K. Cardel, MT (ASCP)

10:00-10:30 AM Break (Exhibits Open – Windsor Hall)

10:30-11:00 AM **Direct Thrombin Inhibitors: Laboratory Recognition and Monitoring**
Alvin H. Schmaier, MD

11:00-11:30 AM **Panel Discussion and Questions**

11:30-1:00 PM Luncheon – Marriott Ballroom
(Exhibits Open – Windsor Hall)

Session IV. Lupus Anticoagulant & Antiphospholipid Antibody Testing

Moderator: Marlies R. Ledford-Kraemer, MBA, BS, MT (ASCP), SH

1:00-1:45 PM **Lupus Anticoagulant & Antiphospholipid Antibodies: An Overview of Diagnostic Issues and Challenges**
Philip G. de Groot, PhD

1:45-2:15 PM **Lupus Anticoagulant: How Can We Improve Diagnostic Testing and Interpretive Reporting Quality**
William L. Nichols, MD

2:15-2:45 PM **Anticardiolipin and B2GP1 Antibody Testing Surveys and Testing Issues**
Henry A. Homburger, MD

2:45-3:15 PM **Panel Discussion and Questions**

3:15-3:45 PM Break (Exhibits Open – Windsor Hall)



CONFERENCE SCHEDULE (cont.)

Session V. Platelet Disorders and Testing

Moderator: Ellinor I.B. Peerschke, PhD

- 3:45-4:30 PM **Platelet Disorders and Dysfunction: Update on Disorders and Lab Diagnosis**
Catherine P.M. Hayward, MD, PhD
- 4:30-5:00 PM **Heparin-Induced Thrombocytopenia (HIT): Testing and Diagnostic Issues**
James L. Zehnder, MD
- 5:00-5:30 PM **Aspirin Resistance Testing**
Kandice Kottke-Marchant, MD, PhD
- 5:30-6:00 PM **Panel Discussion and Questions**
- 6:30 PM Conference Reception and Hemostasis Product Display
Windsor Hall – The Kahler Grand Hotel

Friday, June 17, 2005

- 6:50-7:50 AM Breakfast
Heritage Hall foyer (Exhibits Open – Windsor Hall)
- 7:50-8:00 AM Announcements

Session VI. Von Willebrand's Disease Testing and Diagnosis

Moderator: Elizabeth A. Plumhoff, MT (ASCP), CLS (NCA)

- 8:00-8:45 AM **Von Willebrand's Disease: Laboratory and Clinical Diagnostic Issues**
David Lillicrap, MD
- 8:45-9:15 AM **The NASCOLA VWD Testing Survey**
Ellinor I.B. Peerschke, PhD
- 9:15-9:45 AM **Panel Discussion and Questions**
- 9:45-10:15 AM Break (Exhibits Open – Windsor Hall)

Session VII. Thrombotic and Prothrombotic Disorders

Moderator: Alvin H. Schmaier, MD

- 10:15-10:45 AM **Thrombophilia Testing Issues: Overview and Implications**
John D. Olson, MD, PhD
- 10:45-11:15 AM **Protein S Testing: Quality Issues**
Stephen M. Johnson, MT (ASCP), CLS (NCA)
- 11:15-11:30 AM **D-Dimer Testing: Clinical Uses and Current Problems**
John D. Olson, MD, PhD
- 11:30-11:45 AM **D-Dimer Testing: Discordance and Harmonization**
Piet Meijer, PhD
- 11:45-12:15 PM **Panel Discussion and Questions**
- 12:15-2:00 PM Luncheon, with concluding presentation – Marriott Ballroom
- 1:00-1:45 PM **Dr. J. Heinrich Joist NASCOLA Memorial Lecture
Coagulation Diagnostic Testing of the Future**
Kenneth G. Mann, PhD
- 1:45-2:00 PM Questions, concluding comments, and conclusion of the conference

REGISTRATION FORM

Coagulation Testing Quality: Lessons and Issues from Quality Assessment, Standardization, and Improvement Programs and Studies

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Rochester, Minnesota

June 15-17, 2005



MAIL FORM AND PAYMENT TO:

Mayo Medical Laboratories Telephone: 800-533-1710
Education Department 507-284-0286
3050 Superior Drive NW Fax: 507-284-8016
Rochester, MN 55901 Web site: www.mayoreferenceservices.org/mml
E-mail: strain.diane@mayo.edu

REGISTRATION DEADLINE: MAY 18, 2005

Please print or type all information. You may duplicate form for multiple registrations.

Name _____

First Name Middle Name or Initial Last Name

Degree: MD PhD DO CLS CLT Other _____

Institution _____

E-mail (REQUIRED) _____

Which do you prefer to be your mailing address: Work/Business Home

Work address _____

City _____ State/PV _____ ZIP/PC _____

Country _____

Home address _____

City _____ State/PV _____ ZIP/PC _____

Country _____

If international number, please include country and city code.

Home telephone _____ Business telephone _____

Fax _____

Please check if you have special accommodation or dietary needs and indicate specific need(s).

Registration Fee:

Physicians - \$495

Residents, Fellows and Medical Technologists - \$350

Total Payment Enclosed:

\$ _____

Please indicate if you will attend the following events:

Rochester Art Gallery Reception: ___ Yes ___ No *Complimentary*

Conference Reception and Product Display: ___ Yes ___ No *Complimentary*

Payment Method:

Check Enclosed: (make check payable to Mayo Medical Laboratories)

Credit Card: Visa or MasterCard

Card Number

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Signature

Date



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