**Program Objectives**

Come and join us as we celebrate our 33rd Annual Symposium on Current Topics in Blood Banking!

This program continues the objective of providing transfusion service physicians, technologists, nurses and administrators with practical information about recent developments, current practices, controversies and laboratory management issues relative to blood group serology and transfusion medicine.

The program is preceded by workshops that address issues relevant to hospital transfusion services. Two workshops will address issues in antibody identification, while others will address implementation of automation (including the electronic crossmatch) and recent publications in transfusion medicine journals.

The plenary sessions begin with a series of presentations addressing technical issues. Following this session, the participant will be able to:

- Management of cold and warm autoantibodies.
- Different approaches to antibody identification.
- Current approaches to prenatal/perinatal testing.
- Impact of drugs on the transfusion service.
- Management of the bleeding patient.
- Issues involved in implementing ISBT 128.
- Adoption of lean principles in the transfusion service.

**Program Schedule**

**Mornings**

**Friday, June 9, 2006**

7:45 Registration and Breakfast

8:15 Welcome and Announcements

8:30 Presentations on assorted topics

9:35 Presentation on related topics

9:50 Refreshments and Exhibits

10:20 Presentations on assorted topics

11:00 Presentations on assorted topics

11:40 Questions and Answers

**Afternoon**

12:00 Lunch Break

12:30 Presentations on assorted topics

1:15 Presentations on assorted topics

1:40 Presentations on assorted topics

2:20 Refreshments and Exhibits

2:45 Presentations on assorted topics

3:15 Presentations on assorted topics

3:45 Adjourn

**Monday, June 5, 2006**

7:45 Registration and Breakfast

8:15 Welcome and Announcements

8:30 Presentations on assorted topics

9:35 Presentation on related topics

9:50 Refreshments and Exhibits

10:20 Presentations on assorted topics

11:00 Presentations on assorted topics

11:40 Questions and Answers
Management of cold and warm autoantibodies.

Different approaches to antibody identification.

Serological management of patients with sickle-cell disease.

Issues involved in implementing ISBT 128.

Improvement of transfusion safety through the use of Pathogen Inactivation.

Discuss the most common molecular background issues that will need to be considered in diagnosing TTP.

Name a method for pathogen inactivation of a blood product.

List the pros and cons of leukocyte reduction.

Management of the bleeding patient.


department of medical education

non-profit organization

1500 E. Medical Center Drive
Ann Arbor, Michigan 48109-0201

ANN ARBOR, MICH. PERMIT NO. 144

June 7, 2006
Blood Banking Conference
June 8-9, 2006
Towsley Center
Ann Arbor, Michigan

CME Website Features

CME Calendar
Search by month or by specialty in our calendar of live CME courses. On-line registration is available on our secure server that ensures the privacy of your personal information. View course brochures on-line. It's easy. Go to:
http://cme.med.umich.edu

Program Objectives

At the conclusion of the course, the participant will be able to:

I. Discuss the importance of antibody identification, including the electronic integration with the laboratory system.

II. Describe the current practices, controversies and new developments, current information about recent publications, and report on the progress in addressing the issues relative to blood group typing.

III. Summarize the objectives of providing continuing education for technologists, nurses and physicians.

Come and join us as we continue our 33rd Annual Symposium on Current Topics in Blood Banking.

Program Schedule

Thursday June 8, 2006

MORNING
7:45 Registration and Breakfast
8:15 Welcome and Announcements
   Arlene E. Bradford, BA
   Director
   Blood Bank Reference Laboratory

Suzanne H. Butch, MA, MT(ASCP)SBB
   Administrative Manager
   Blood Bank and Transfusion Service

Laura Cooling, MD, MS
   Assistant Professor
   Department of Pathology
   Associate Medical Director
   Blood Bank and Transfusion Service

Robertson D. Davenport, MD
   Associate Professor
   Department of Pathology
   Director
   Blood Bank and Transfusion Service

Margaret J. Stoe, MT(ASCP)SBB
   Supervisor
   Blood Bank and Transfusion Service

Arlene E. Bradford, BA
   Assistant Director
   Office of Continuing Medical Education
   Department of Medical Education

10:20 Prenatal/Perinatal Testing
   Louann R. Daie, MA, MT(ASCP)SBB
   Reference Laboratory Coordinator
   Blood Bank and Transfusion Service

11:00 Tissue Engineering: Impact on the Transfusion Service
   Edward L. Snyder, MD

11:45 Questions and Answers
12:00 Luncheon

AFTERNOON
1:00 Leukocyte Reduction: Pros and Cons
   Edward L. Snyder, MD

1:40 Pathogen Inactivation
   Lee Ann Wakekamp, MD

2:20 Molecular Biology of ABO and Variant Phenotypes
   Mark Hazer MD, FRCP

3:00 Questions and Answers
3:15 Adjourn

Friday June 9, 2006

MORNING

8:00 Breakfast

8:30 Serological Management of Patients with Sickle-Cell Disease
   John J. Moulds, MT(ASCP)SBB

9:10 Antibody Identification - Flight or Fight
   Halie Lee-Iwakuma, MT(ASCP)SBB

9:50 Refreshments and Exhibits

10:20 Questions and Answers
11:00 Management of the Bleeding Patient
   Steven Pipe, MD

11:45 Questions and Answers
12:00 Luncheon

AFTERNOON

1:00 Improving Transfusion Safety: RFID’s and Beyond
   Suzanne H. Butch, MA, MT(ASCP)SBB

1:40 ISBT 128: At Last
   Margaret J. Stoe, MT(ASCP)SBB

2:20 Leucocyte Reduction: The Pros and Cons
   Steven Pipe, MD

3:00 Questions and Answers
3:15 Adjourn
Management of cold and warm autoantibodies.
Serological management of patients with TTP.
Difficulties in diagnosing TTP.
Current approaches to prenatal/perinatal testing.
Discuss the most common molecular background issues that will impact tissue engineering on the transfusion service.
Impact of drugs on the transfusion service.
Different approaches to antibody identification.

Program Objectives

To enable the participant to:

I. Discuss the current issues relative to blood group serology and transfusion.
II. Discuss the impact of biological products on the transfusion service.
III. Describe the role of the transfusion service physician, technologists, nurses and administrators with practical implications.
IV. Present the second annual Harold A. Oberman Symposium on Blood Banking.

The program concludes with a session addressing technical issues related to transfusion service management.

Following the Friday morning, the participant will be able to:

I. Discuss the current issues relative to blood group serology and transfusion.
II. Discuss the impact of biological products on the transfusion service.
III. Describe the role of the transfusion service physician, technologists, nurses and administrators with practical implications.
IV. Present the second annual Harold A. Oberman Symposium on Blood Banking.

The program is preceded by pre-conference workshops that address issues relative to blood group serology and transfusion.

Come and join us as we celebrate our 33rd Annual Symposium on Blood Banking!
Afternoon
Right Test – Wrong Answer: How Can Doing It Right End Up Being Wrong?

The text with the antiserum is reactive; does that mean the red cells have the antigen? The absorption removed the antibody, does that mean it’s auto? This workshop will focus on the application and interpretation of special methods in serologic investigations. Case studies will be used to illustrate proper application of several commonly used special methods, as well as the limitations of each. Emphasis will be placed on determining proper application, interpretation, and controls for each method. The cases focus on mismanagement of autoantibodies (cold/warm, IgG/IgM), phenotyping (recent transfusion, positive DAT), investigation of antibody enhancement, separation of multiple specificities, and ABO and Rh problem solving.

Faculty:
Jana R. Hamilton, MD, MTP(ASCP)SBB
John J. Moulds, MTP(ASCP)SBB
Registration: 12:30 pm
Time: 1:00 – 4:30 pm
Target Audience:
Technical and supervisory staff involved with serologic problem solving.

Objectives:
After this workshop the attendee will be able to
- Describe the conditions necessary to confirm antibody specificity as autoantibody.
- List the sample preparation required to obtain valid RBC phenotype.
- Describe the limitations in the use of monoclonal ABO reagents when resolving typing discrepancies.

The Top 10 Transfusion Medicine Papers of 2005
In this workshop, we will review ten of the most significant papers in the field of transfusion medicine published in 2005, covering both medical and technical topics. Each faculty member will discuss the Transfusion, and frequent contributors to transfusion medicine literature.

Faculty:
Robert快乐. D. Davenport, MD
Mark Yager, MD, FACP
Registration: 12:30 pm
Time: 1:00 – 4:30 pm
Target Audience:
Transfusion medicine physicians and technologists.

Objectives:
After the workshop, the attendee will be able to
- Real cell transfusion strategies in targeted populations such as neonates and patients with sickle cell anemia.
- Controversial uses of new biologics such as recombinant factor VIII and rituximab.
- The impact of recent information on Rh variants on the transfusion service.

Air Transportation
Special arrangements have been made with Travel Centre to offer the lowest coach airfares for those attending this University of Michigan course. To take advantage of these savings, please call Travel Centre at (800) 728-6571 or (734) 973-9200 and identify yourself as a participant in the University of Michigan CME Course: Current Topics in Blood Banking.

Detroit Metropolitan Airport is located approximately 25 miles east of Ann Arbor on I-94. There are several options for ground transportation from and to the airport. The following transportation companies offer round trip service from the airport.

Airline
Arbor Limousine Service/Select Ride
Curtain Call
Golden Limousine Service
Marti Car
Price
$841
Taxicabs and rental cars are also available at Detroit Metro Airport. For more information, please call (800) 806-0666.

Weber’s Inn
3550 Jackson Road
Ann Arbor, Michigan 48103
Phone: (734) 769-2500
(800) 443-3050 in Michigan
(800) 521-1413 outside Michigan
Single Room: $102
Double Room: $112
Subject to 8% state and local tax
Block Code: 6964

Parking
Parking is limited on the Medical Campus. Persons driving to this course may park in the Physicians and Visitors parking structure adjacent to the University Hospital for easy access to the Towley Center. Parking will be paid by the Office of Continuing Transfusion Medicine. Please bring your parking slip for validation at the registration desk.

University of Michigan Faculty
Suzanne H. Butch, MA, MTP(ASCP)SBB
Administrative Manager
Bank Blood and Transfusion Service
Laura Cooling, MD, FACP
Associate Medical Director
Bank Blood and Transfusion Service
Louann R. Dake, MA, MTP(ASCP)SBB
Director, Reference Laboratory Coordinator
Bank Blood and Transfusion Service
Robert J. Davenport, MD
Associate Professor
Department of Pathology
Allied Health, Retired Physicians
Additional Workshops

Pre-Conference Workshops, June 7, 2006
Conference: June 8-9, 2006
Pre-Conference Workshops
Location: Towsley Center for Continuing Medical Education
University of Michigan Medical School
Ann Arbor, Michigan
Telephone: (734) 763-1400 or (800) 806-0666
Fax: (734) 996-1641
Conference Fees
$410 Physicians
$300 Physicians-in-training, nurses, allied health professionals, and retired physicians (fees include continental breakfast, lunch, refreshments and coffee materials.)
Pre-Conference Workshop Fees
$205, Full-Day Workshops on Wednesday, July 120 Half-Day Workshops on Wednesday, July 6
Registration: 8:00 am - noon
Time: 8:30 am - noon
Target Audience:
Blood bank technologists, managers and quality professionals.
Objectives:
- After this workshop, the attendee will be able to
- Describe the conditions necessary to confirm antibody specificity as autologous.
- List the sample preparation required to obtain valid RBC phenotype.
- Describe the limitations in the use of monoclonal ABO reagents when resolving typing discrepancies.

Click to view image.
Pre-Conference Workshops:

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Faculty</th>
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</thead>
<tbody>
<tr>
<td>June 7, 2006</td>
<td>8:30 am - 12:30 pm</td>
<td>Towsley Center</td>
<td>Mark Yazer, MD, FRCPC</td>
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<td>University of Michigan Medical School</td>
<td>Susan Byrd, MT(ASCP)SBB, E. Ann Storl, MT(ASCP)SBB</td>
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<td>Ann Arbor, MI</td>
<td>Hallie Lee-Stroka, MT(ASCP)SBB</td>
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<td>Detroit, MI</td>
<td>Theresa Downs, MT(ASCP)SBB</td>
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<td>Linda Cardine, MT(ASCP)SBB</td>
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<td>Janis R. Hamilton, MS, MT(ASCP)SBB</td>
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<td>Detroit, MI</td>
<td>Joseph T. Hendler, MD, FRCPC</td>
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<td>Edward L. Snyder, MD</td>
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<td>Detroit, MI</td>
<td>Lee Ann Walschomp, MA</td>
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Conference:

- Wednesday, June 7, 2006
- Time: 8:00 am - 5:00 pm
- Location: Towsley Center, University of Michigan Medical School, Ann Arbor, MI
- Faculty: Mastercard Robertson D. Davenport, MD, Ms.

- **Mastercard**
- Discuss the application of lean initiatives in the blood bank and transfusion service.

- **Robertson D. Davenport, MD**
- Discuss the technical and supervisory staff involved with serological problem solving.

- **Ms.**
- Describe different approaches to resolution of antibody problems.

- **CASE STUDIES IN ANTIBODY IDENTIFICATION**
- How often do you work to find an unresolved antibody problem case left from the preceding evening? What approaches can be taken to resolve some commonly encountered dilemmas in transfusing patients with blood group antibodies? A group participation session in which antibody case studies are discussed and resolved is planned. This workshop will give attendees a chance to interact with their peers and the workshop facilitator. Resolution of complex antibody problem cases will be attempted by the participants with the help of the workshop facilitator. The “real life” case outcomes will then be revealed and suggestions for management of these patients with special transfusion requirements will be discussed.

- **Pre-Conference Workshops**
- Location: Towsley Center, Continuing Medical Education, University of Michigan Medical School, Ann Arbor, MI
- Time: 8:00 am - 12:30 pm
- Faculty: Louann R. Dake, MA, MT(ASCP)SBB, Thanea Downs, MT(ASCP)SBB, Hallie Lee-Stroka, MT(ASCP)SBB

- **Denver**
- Describe the conditions necessary to confirm antibody activity as autoantibody.

- **Towle**
- List the sample preparation required to obtain valid SBC phenotype results in a recently transfused patient and a patient with a positive DAT.

- **Grafflin**
- Describe the limitations in the use of monoclonal ABO reagents when testing for weak reactions, separation of multiple specificities and ABO and Rho(D) problem solving.

- **University of Michigan**
- Address: 1500 E. Medical Center Drive, Ann Arbor, MI 48109-1157
  - Telephone: (734) 763-1400 or (800) 800-0666
  - Parking: Towsley Center
  - Transportation is provided between the airport and hotel or a major credit card payment is required.

- **Airport**
- Curtiss Cars (734) 358-8840
- Arlor Limousine Service/Select Ride (866) 663-8898 www.arborlimo.com

- **Travel Centre**
- Special arrangements have been made with Travel Centre to offer block code reservations. On-site block code 6894

- **Airport**
- Detroit Airport. For more information, please call (800) 800-0666.

- **Registration Options**
- On-site registration will also be available.

- **Conference**
- Priority is given to full conference registrants for workshop selection.

- **Plenary Session**
- June 7, 2006
- Always provide for those attending the full conference.

- **Continuation**
- Conference registration will be confirmed by mail. If you have questions, please call the Registrar at (734) 763-1400 or (800) 800-0666.

- **Accreditation**
- The University of Michigan Medical School is accredited by the Accreditation Council on Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians. The University of Michigan Medical School designates the educational activity for a maximum of 11.25 category 1 credits toward the AMA Physician’s Recognition Award. Workshops are 3.5 credit hours each. Each attendee should claim only those credits that he/she actually spent in the activity. An application has been submitted to the American Osteopathic Association for credits and to the University of Michigan Extension Service for Continuing Education Units (CEUs). Other credits by specialty may apply.

- **Recording the Program**
- Recording the program with battery-operated tape recorders not requiring podium microphones is permitted for the registrant’s personal use.

- **Recap**
- After this workshop, the attendee will be able to:
  - Illustrate proper application of several commonly used special methods, as well as the limitations of each. Emphasis will be placed on determining proper application, interpretation, and controls for each method.
  - The cases past and use of enhancement of weak reactions, separation of multiple specificities and ABO and Rho(D) problem solving (false positive results, weak antigenic expression, absence of expected anti-A and/or anti-B).

- **Afrika**
- After this workshop, the attendee will be able to:
  - Describe the conditions necessary to confirm antibody activity as autoantibody.
  - List the sample preparation required to obtain valid SBC phenotype results in a recently transfused patient and a patient with a positive DAT.
  - Describe the limitations in the use of monoclonal ABO reagents when testing for weak reactions, separation of multiple specificities and ABO and Rho(D) problem solving.

- **University of Michigan**
- Address: 1500 E. Medical Center Drive, Ann Arbor, MI 48109-1157
  - Telephone: (734) 763-1400 or (800) 800-0666
  - Parking: Towsley Center
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- Arlor Limousine Service/Select Ride (866) 663-8898 www.arborlimo.com

- **Travel Centre**
- Special arrangements have been made with Travel Centre to offer block code reservations. On-site block code 6894

- **Airport**
- Detroit Airport. For more information, please call (800) 800-0666.
1:00 - 4:30 pm
Technical and supervisory staff involved with serological
By Mail Registrar
Louann R. Dake, MA, MT(ASCP)SBB

After this workshop, the attendee will be able to:
- Manage transfusion requests for patients with special needs.
- Apply new problem-solving skills in antibody problem resolution.
- Describe the limitations in the use of monoclonal ABO reagents when spent in the activity. An application has been submitted to the Michigan Extension Service for Continuing Education Units (CEUs).
- Develop a work flow diagram integrating manual processes and automation.
- Discuss the pros and cons of an automated environment.
- Discuss the application of lean initiatives in the blood bank and transfusion service.

CASE STUDY IN ANTIBODY IDENTIFICATION
How often do you arrive at work to find an unresolved antibody problem case left from the preceding evening? What approaches can be taken to resolve some commonly encountered dilemmas in transfusing patients with blood group antibodies? A group participation session in which antibody case studies are discussed and resolved is planned. This workshop will give attendees a chance to interact with their peers and the workshop facilitator. Resolution of complex antibody problem cases will be attempted by the participants with the help of the workshop facilitator. The “real life” case outcomes will be revealed and suggested for management of these patients with special transfusion requirements will be discussed.

Faculty: Louann D. Dake, MA, MT(ASCP)SBB
Theresa Downs, MT(ASCP)SBB
Hokit Sia-Shiok, MT(ASCP)SBB

Registration: 8:00 am
Time: 8:30 am - noon
Target Audience: Technical and supervisory staff involved with serological problem solving.

Objectives: After the workshop, the attendees will be able to:
- Discuss different approaches to resolution of antibody problems.
- Apply new problem-solving skills in antibody problem resolution.
- Manage transfusion requests for patients with special needs.

AFTERNOON
RIGHT TEST - WRONG ANSWER: HOW CAN WE Figures 1, 2, and 3 show data from a recent study involving...

THE TOP 10 TRANSFUSION MEDICINE PAPERS OF 2005
In this workshop, we will review ten of the most significant papers in the field of transfusion medicine published in 2005, covering both medical and technical topics. Both faculty and students members of the Educational Committee for Transfusion Medicine will present their paper. The faculty will discuss the paper, and the attendees will participate in a group discussion. The attendees will be provided with a copy of the paper and a summary of the discussion.

Faculty: Roberta D. Davenport, MD
Mark Kizer, MD, FRCP

Registration: 12:30 pm
Time: 1:00 - 4:30 pm
Target Audience: Transfusion medicine physicians and technologists

Objectives: After the workshop, the attendees will be able to:
- Discuss real-world transfusion strategies in targeted populations such as neonates and patients with sickle cell anemia.
- Controversial new biologicals such as recombinant factor VIIIa and rituximab.
- The impact of recent information on Rh variants on the transfusion service.

University of Michigan CME Course:
Course Registration Form

Recruiting CEMEC Presidents and hotel or a major credit card (Visa, MasterCard, American Express, or Discover) is required for all hotel reservations. A major credit card will be held for incidentals and any potential no-show. On-site registration will also be available.

Conference Workshops: June 7, 2006
8:00 am - 5:30 pm
Registration: 8:00 am/12:30 pm

Location:
Towsley Center for Continuing Medical Education
University of Michigan Medical School
Ann Arbor, Michigan
Telephone: (734) 763-1400 or (800) 800-0666
Fax: (734) 936-1641

Conference Fees
$410 Physicians
$300 Physicians-in-training, nurses, allied health professionals, and retired physicians (fees include continental breakfast, lunch, refreshments and coffee breaks.)

Pre-Conference Workshops:
6:00 - 9:00 pm
Registration: 4:30 pm/12:30 pm

Location:
Towsley Center for
Continuing Medical Education
University of Michigan Medical School
Ann Arbor, Michigan
Telephone: (734) 763-1400 or (800) 800-0666
Fax: (734) 936-1641

Conference Fees
$250 Full-Day Workshops on Wednesday, June 7
$120 Half-Day Workshops on Wednesday, June 7

Registration:
If you are urgency to register as soon as you are certain of attending as we cannot guarantee educational materials or lunch for participants who are not preregistered and prepaid by May 24, 2006. Make checks payable to the University of Michigan (U.S. currency). Visa and MasterCard are accepted. Cancellations postmarked seven or more days prior to the course are fully refunded less a $30 administrative fee. Cancellation notices received from you then beyond the beginning of the course are refunded at 50%. There are no refunds issued after the course begins. A $50 late fee may apply for late registration. Participation is based on space availability. A no-show fee of $50 per person may be charged. You must call to confirm your registration status. Confirmation letter(s) will be mailed to you prior to the start of the conference. You may cancel your registration up to 72 hours prior to the start of the conference.

Registration:
Guest Faculty
Suzanne H. Butch, MA, MT(ASCP)SBB
Administrative Manager
Blood Bank and Transfusion Service

Linda Caroline, MT(ASCP)SBB
Superintendent
Blood Bank and Transfusion Service
Henry Ford Hospital
Detroit, Michigan

John J. Moulds, MT(ASCP)SBB
Assistant Professor
Department of Pathology
Assistant Clinical Laboratory Supervisor
Centralized Transfusion Service
Ortho Clinical Diagnostics
Detroit, Michigan

Suzanne H. Butch, MA, MT(ASCP)SBB
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John J. Moulds, MT(ASCP)SBB
Assistant Professor
Department of Pathology
Centralized Transfusion Service
Ortho Clinical Diagnostics
Detroit, Michigan

Edward L. Snyder, MD
Professor of Laboratory Medicine
Yale University Medical School
Director, Blood Bank and Transfusion Service
Yale-New Haven Hospital
Clinical Associate Professor, Hematopoietic Cell Processing Laboratory
New Haven, Connecticut
E. Ann Steiner, MT(ASCP)SBB
Ortho Clinical Diagnostics
New York, New Jersey
Lee Ann Wallis, MD
Vice President of Medical Affairs
Michigan Community Blood Centers
Grand Rapids, Michigan

Mark Hayes, MD, MS
Medical Director
Metro Cars (800) 456-1701 www.metrocars.net
Golden Limousine Service (800) 300-5151 www.goldenlimo.com

University of Michigan Medical School
Towsley Center for Continuing Medical Education
2600 Taubman Center
2300 Taubman Center
Ann Arbor, MI 48109-1177

Payment:
Please send a check (U.S. currency payable to the University of Michigan) or a major credit card (Visa, MasterCard, American Express, or Discover) to the Office of Continuing Medical Education, University of Michigan Medical School, 2600 Taubman Center, 2300 Taubman Center, Ann Arbor, MI 48109-1177.

Registration Code: B1 B2 NC
Please mention this code at the time of registration.
MORNING

AUTOMATION IN BLOOD BANKS, LEAN INITIATIVES AND THE ELECTRONIC CROSSMATCH

Faculty for this workshop have implemented automated test systems in their transfusion services in converting to an automated platform utilizing lean concepts will be presented. Discussion will include considerations for instrument qualification, verification, staff readiness, workflow and implementation of the electronic crossmatch.

Faculty: Linda Carole, MT(ASCP)SBB
Margaret J. Zirka, MT(ASCP)SBB
Registration:
Time: 8:30 a.m.
Target Audience: Blood bank technologists, managers and quality professionals
Objectives: After this workshop, the attendee will be able to:
- Discuss the application of lean initiatives in the blood bank and transfusion service.
- Discuss the application of lean initiatives in the blood bank and transfusion service.
- Discuss the pros and cons of an automated environment.
- Discuss the use of lean initiatives in the blood bank and transfusion service.

CASE STUDIES IN ANTIBODY IDENTIFICATION

How often do you arrive at work to find an unresolved antibody problem case left from the preceding evening? What approaches can be takens to resolve some common encountered situations in transfusing patients with blood group antibodies? A group participation session in which antibody case studies are discussed and resolved is planned. This workshop will give attendees a chance to interact with their peers and you, the workshop facilitator. Resolution of complex antibody problem cases will be attempted by the participants with the help of the workshop facilitator. The “real life” case outcomes will then be revealed and suggestions for management of these patients with special transfusion requirements will be discussed.

Faculty: Louann D. Dake, MA, MT(ASCP)SBB
Theresa Downs, MT(ASCP)SBB
Hollie She-Shoko, MT(ASCP)SBB
Registration:
Time: 8:30 a.m. - noon
Target Audience: Technical and supervisory staff involved with serological problem solving.
Objectives: After this workshop the attendee will be able to:
- Describe the conditions necessary to confirm antibody specificity as autoantibody.
- List the sample preparation required to obtain valid SBC phenotype results in a recently transfused patient and a patient with a positive DAT.
- Describe the limitations in the use of monoclonal ABO reagents when resolving typing discrepancies.

THE TOP 10 TRANSFUSION MEDICINE PAPERS OF 2005

In this workshop, we will review ten of the most significant papers in the field of transfusion medicine published in 2005, covering both medical and technical topics. Both faculty and members of the Educational Advisory Committee will participate. This workshop is designed to increase the attendee’s knowledge of up-to-date information on current topics in the field of transfusion medicine.

Faculty: Robert G. Davenport, MD
Mark Havel, MD, FRCP
Registration: 12:30 p.m.
Time: 1:00 - 4:30 p.m.
Target Audience: Transfusion medicine physicians and technologists
Objectives: After this workshop, the attendee will be able to:
- Real cell transfusion strategies in targeted populations such as newborns and patients with sickle cell anemia.
- Controversial uses of new biologicals such as recombinant factor VIIa and rituximab.
- The impact of recent information on Rh variants on the transfusion service.

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www.airlimo.com

Curta’s Corner
(734) 775-8688

Golden Limousine Service
(800) 300-8151
www.goldlimo.com

Martins
(734) 466-1701
www.martinsco.com

Taxis and rental cars are also available at Detroit Metro Airport. For more information, please call (800) 800-8666.

Lodging

The hotel designated for this workshop is Weber’s Inn, 1311 Fordson Road, Ann Arbor, Michigan 48105. For more information, please call (734) 763-3600.

Weber’s Inn
3300 Jackson Road, Ann Arbor, Michigan 48103
Phone: (734) 763-2000
(800) 443-3005 in Michigan
(800) 521-1413 outside Michigan
Single Room: $112
Double Room: $122
Subject to 1% state and local tax
Block Code: 6984

Plenary Session, Thursday & Friday, June 8-9, 2006

Payment

Please make a check payable to the University of Michigan and mail to University of Michigan Continuing Education
continued...
Describe the conditions necessary to confirm antibody reactivity as presence of agglutination. Case studies will be used to illustrate proper application of several commonly used special methods, as well as the limitations of each. Emphasis will be placed on determining proper application, interpretation, and controls for each method. The cases will use a management of autoantibodies (cold/warm, IgG/IgM), phenotyping (recent transfusion, positive DAT), investigation of autoantibodies (enhancement of weak reactions, separation of multiple specificities) and ABO and Rh problem solving (false positive results, weak antigens, absence of expected anti-A and/or anti-B).

FACTOR HEMOLYSIS: HOW CAN YOU DETECT IT WITHOUT BEING WRONG?

The test with the antiserum is reactive: does that mean the red cells have the antigen? The absorption removed the antibody: does that mean it’s auto? This workshop will focus on the application and interpretation of special methods in serological investigations. Case studies will be used to illustrate proper application of several commonly used special methods, as well as the limitations of each. Emphasis will be placed on determining proper application, interpretation, and controls for each method. The cases will use a management of autoantibodies (cold/warm, IgG/IgM), phenotyping (recent transfusion, positive DAT), investigation of autoantibodies (enhancement of weak reactions, separation of multiple specificities) and ABO and Rh problem solving (false positive results, weak antigens, absence of expected anti-A and/or anti-B).

THE TOP 10 TRANSFUSION MEDICINE PAPERS OF 2005

In this workshop, we will review ten of the most significant papers in the field of transfusion medicine published in 2005, covering both medical and technical topics. Both faculty and members of the workshop participants. The “real life” case outcomes will then be revealed and suggested for management of these patients with special transfusion requirements will be discussed.

Confirmation

After the workshop, the attendee will be able to:

- Describe the conditions necessary to confirm antibody reactivity as autoantibody.
- List the sample preparation required to obtain valid SBC phenotyping results in a recently transfused patient and a patient with a positive DAT.
- Describe the limitations of the use of monoclonal ABO reagents when resolving typing discrepancies.

Air Transportation

Special arrangements have been made with Travel Centre to offer the lowest coach fares for those attending this University of Michigan course. To take advantage of these savings, please call Travel Centre at (800) 728-6571 or through the website (www.travelcentre.com) and specify yourself as an attendee of the University of Michigan CME Course: Current Topics in Blood Banking.

Detroit Metropolitan Airport is located approximately 25 miles east of Ann Arbor on I-94. There are several options for ground transportation to and from the airport. The following transportation companies offer round trip service from the airport.

- Arbo Limousine Service/Select Ride
  - (866) 463-8898
  - www.arbolimo.com

- Curtis Co.
  - (734) 762-4685
  - Curtisco @comcast.net

- Golden Limousine Service
  - (800) 305-8153
  - www.goldenlimo.com

- Metro Cars
  - (800) 476-1071
  - www.metrocars.net

Taxis and rental cars are also available at Detroit Metro Airport. For more information, please call (800) 806-0666.

Lodging

The hotel designated for this workshop is Weber’s Inn near the junction of I-94 and M-14. Reservations must be made by May 7, 2006. A deposit of $150 is required per room. On May 8, the excess rooms will be released and hotel reservations will be accepted on a space-available basis. Reservations made by telephone, please indicate registration with this course to qualify for the reduced conference rate on hotel rooms. Transportation is provided between Weber’s Inn and Towsley Center.

Plenary Session, Thursday & Friday, June 8-9, 2006

- **Physician**
  - **$490** Full Course
  - **$390** One-Day

- **Physician-In-Training**, Allied Health, Retired Physicians** (verification must accompany registration)
  - **$390** Full Course
  - **$290** One-Day

**Payment**

Please mention this code at the time of registration:

**By Mail**

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**Registration Code**: B1 B2 NC

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**Registration Deadline**: May 24, 2006

**Cancellation Policy**

- Full refunds are available if notification is received in writing by May 24, 2006. No cancellations after May 24, 2006.
- Cancellation notifications received from then until May 24, 2006, are subject to an administrative fee. Cancellation notifications received from May 24, 2006, to May 27, 2006, will result in a 50% refund. Cancellation notifications received from May 27, 2006, to May 30, 2006, will result in no refund. No refunds are available after May 30, 2006.

**Course Material**

- Course material will be mailed to the registrant by May 27, 2006.
- Current information is available on the University of Michigan Medical School Web site (www.med.umich.edu). The University of Michigan Medical School is fully accredited by the Liaison Committee on Medical Education (LCME).
MORNING

AUTOMATION IN BLOOD BANKS, LEAN INITIATIVES AND THE ELECTRONIC CROSSMATCH

Faculty for this workshop have implemented automated test systems in their transfusion services and converted to an automated platform utilizing lean concepts will be presented. Discussion will include case studies for institutional definition, qualification, validation, staff training and implementation of the electronic crossmatch.

Faculty: Linda Caroline, MT(ASCP)SBB
Margaret J. Zboya, MT(ASCP)SBB
Registration: 8:00 a.m.
Time: 8:30 a.m. - noon
Target Audience: Blood bank technologists, managers and quality professionals
Objectives: After the workshop, the attendee will be able to:
- Develop a workflow diagram integrating manual processes and automation.
- Discuss the pros and cons of an automated environment.
- Discuss the application of lean initiatives in the blood bank and transfusion service.

CASE STUDIES IN ANTIBODY IDENTIFICATION

How often do you arrive at work to find an unresolved antibody problem case left from the preceding evening? What approaches can be taken to resolve some commonly encountered dilemmas in transfusing patients with blood group antibodies? A group participation session in which antibody case studies are discussed and resolved is planned. The workshop will give attendees a chance to interact with their peers and the workshop facilitator. Resolution of complex antibody problem cases will be attempted by the participants with the help of the workshop facilitator. The “real life” case outcomes will then be revealed and suggested approaches for management of these patients with special transfusion requirements will be discussed.

Faculty: Lourdes D. Daza, MA, MT(ASCP)SBB
Thanea Downs, MT(ASCP)SBB
Holly Loo-Shoko, MT(ASCP)SBB
Registration: 8:00 a.m.
Time: 8:30 a.m. - noon
Target Audience: Technical and supervisory staff involved with serological problem solving
Objectives: After this workshop, the attendee will be able to:
- Discuss different approaches to resolution of antibody problems.
- Apply new problem solving skills in antibody problem resolution.
- Manage transfusion requests for patients with special needs.

Afternoon

RIGHT TEST - WRONG ANSWER: HOW CAN I DO IT END UP BEING WRONG?

The test with the antisera is reactive: does that mean the red cells have the antigen? The absorption removed the antibody: does that mean it's auto? This workshop will focus on the application and interpretation of special methods in serologic investigations. Case studies will be used to illustrate proper application of several commonly used special methods, as well as the limitations and pitfalls of each. Emphasis will be placed on determining proper application, interpretation, and controls for each method. The cases pas a management of autoantibodies (cold/warm, IgG/IgM), phenotyping (recent transfusion, positive DAT), investigation of autoantibodies (enhancement of weak reactions, separation of multiple specificities) and ABO and Rh problem solving (false positive results, back-antisera expression, absence of expected anti-A and/or anti-B).

Faculty: Jana R. Hamilton, MS, MT(ASCP)SBB
E. Ann Shair, MT(ASCP)SBB
John J. Mouds, MT(ASCP)SBB
Registration: 12:30 p.m. - 4:30 p.m.
Time: 1:00 - 4:30 p.m.
Target Audience: Technical and supervisory staff involved with serological problem solving
Objectives: After this workshop, the attendee will be able to:
- Describe the conditions necessary to confirm antibody specificity as autoantibody.
- List the sample preparation required to obtain valid IBC phenotype results in a recently transfused patient and a patient with a positive DAT.
- Describe the limitations in the use of monoclonal ABO reagents when resolving typing discrepancies.

THE TOP 10 TRANSFUSION MEDICINE PAPERS OF 2005

In this workshop, we will review ten of the most significant papers in the field of transfusion medicine published in 2005, covering both medical and technical topics. Both faculty and members of the Educational Program Committee will present the Top 10, and facilitators will moderate a discussion of the implications of these papers.

Faculty: Robertson D. Davison, MD
Mark Waple, MD, FRCP
Registration: 12:30 p.m.
Time: 1:00 - 4:30 p.m.
Target Audience: Transfusion medicine physicians and technologists
Objectives: After the workshop, the attendee will be able to:
- Real cell transfusion strategies in targeted populations such as neontates and patients with sickle cell anemia.
- Controversial uses of new biologicals such as recombinant factor VIII and rituximab.
- The impact of recent information on Rh variants on the transfusion service.

Air Transportation

Special arrangements have been made with Travel Centre to offer the lowest coach airfare for those attending this Michigan course. To take advantage of these savings, please call Travel Centre at (800) 298-6571 or (313) 973-9220 and identify yourself as a participant in the University of Michigan CME Course: Current Topics in Blood Banking.

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Arthur Limousine Service/Select Ride
(866) 463-8988
www.arthurlimo.com

Curtis Car
(734) 880-8165
www.curtiscar.com

Golden Limousine Service
(800) 300-8165
www.goldenlimo.com

Metro Car
(888) 465-7070
www.metrocar.com

Taxicabs and rental cars are also available at Detroit Metro Airport. For more information, please call (800) 800-0666.

Lodging

The hotel designated for this workshop is Weber’s Inn near the junction of I-94 and M-14. Reservations must be made by May 7, 2006. A deposit of the first night’s lodging (In U.S. currency) must be mailed to the hotel or a major credit card number provided to secure reservations. On May 8, the excess rooms will be released and hotel reservations will be accepted on a space-available basis. If reservations are made by telephone, please indicate registration with this course to qualify for the reduced conference rate on hotel rooms. Transportation is provided between Weber’s Inn and Towsley Conference Center.

Weber’s Inn
3500 Jackson Road
Ann Arbor, Michigan 48103
Phone: (734) 769-2500
(800) 443-3050 in Michigan
(800) 521-4143 outside Michigan
Single Room: $102
Double Room: $112
Subject to 8% state and local tax
Block Code: 6894

Plenary Session, Thursday & Friday, June 8-9, 2006

Payment

Please submit a check (U.S. currency payable to the University of Michigan or pay by credit card below)
Credit Card Payment: 
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Expiration Date ______________________
Name ______________________________
Signature ______________________________
(A valid signature of card user)

Registration Code: B1 B2 NC

Please mention this code at the time of registration.
List the pros and cons of leukocyte reduction.

Name a method for pathogen inactivation of a blood component.

Improvement of transfusion safety through the use of technology.

Impact of drugs on the transfusion service.

Adoption of lean principles in the transfusion service.

Difficulties in diagnosing TTP.

Impact of tissue engineering on the transfusion service.

Come and join us as we celebrate our 33rd Annual Symposium on Current Topics in Blood Banking!

This program continues the objective of providing continuing education for physicians, technologists, nurses and other health care personnel in the field of transfusion medicine.

Program Objectives

The plenary sessions begin with a series of presentations addressing technical issues. Following this session, the participant will be able to discuss:

- Management of cold and warm autoantibodies.
- Different approaches to antibody identification.
- Current approaches to prenatal/paternal testing.
- Impact of tissue engineering on the transfusion service.

Following the Controversies/New Horizons session, the participant will be able to:

- List the pros and cons of leukocyte reduction.
- Name a method for pathogen inactivation of a blood component.
- Discuss the most common molecular background for ABO blood group phenotype.

Program schedule

MORNING

06:00 Registration and Breakfast

08:15 Welcome and Announcements

10:30 Questions and Answers

12:00 Luncheon

AFTERNOON

13:00 Technical Topics

15:00 Questions and Answers

16:00 Adjourn