

Advanced Radiology Life Support™ (ARLS) Course

Saturday, November 15, 2008



**SAMS
Available!**

Updates on Nephrogenic Systemic Fibrosis (NSF)

**Siebens Medical Education Building
Mayo Clinic
Rochester, Minnesota**

The ARLS, sedation, and BLS training materials included in this course were used to train physicians, nurses, and allied health personnel at the Mayo Clinic prior to a Joint Commission site visit. This training program may help to prepare your department for a similar evaluation.

General Information

COURSE DESCRIPTION

The *Advanced Radiology Life Support™ (ARLS) Course* is designed to focus on the unique, life-threatening emergencies that occur within a radiology department. It is designed to teach prompt recognition and treatment of contrast reactions. The ARLS course will discuss management of the sedated patient, the proper management of an airway in an emergency situation and percutaneous interventions. Basic concepts of advanced life support will be also be reviewed. This course is fashioned after the Advanced Cardiac Life Support (ACLS) course that has been successful in teaching physicians, nurses, and allied health personnel patient management during cardiac arrest. **This course will offer the new 2005 American Heart Association Basic Life Support (BLS) recertification training materials.**

The ARLS, sedation, and BLS training materials included in this course were used to train physicians, nurses, and allied health personnel at the Mayo Clinic prior to a Joint Commission site visit. This training program may help to prepare your department for a similar evaluation.

Attendees will also have the opportunity to participate in a general self-assessment module (SAM) presented during the course. The self-assessment module has been designed to meet the standards of the American Board of Radiology (ABR) for self-assessment modules (SAMs).

INTENDED AUDIENCE

This course is intended for all medical personnel involved in the administration of contrast material within the Department of Radiology. This course has been attended by radiology physicians, residents and fellows, nursing personnel, and technologists.

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 *8 AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This course content includes 3.0 hours of Sedation and Airway Management Training and 3.0 hours of BLS Training.

Nurse practitioners and 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.

DATE AND LOCATION

The *Advanced Radiology Life Support Course™ (ARLS)* will be offered as an all-day course on Saturday, November 15, 2008. The course will be held in Siebens Medical Education Building, Mayo Medical Center, 100 Second Ave., SW, Rochester, Minnesota.

General Information

TRAVEL

Rochester, Minnesota, 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 ten driving miles from the Mayo Medical Center complex.

A Note to Travelers: Several cities in the United States are named Rochester. When you make airline reservations and check your baggage, be sure that your destination is Rochester, Minnesota (RST) and that your baggage has been properly tagged.

LODGING ACCOMMODATIONS

Blocks of guest rooms have been reserved with a special course rate at the following downtown Rochester hotel. To ensure accommodations and the discounted rate, please make your reservations early to avoid disappointment. Identify yourself as a participant of the Advanced Radiology Life Support Course.

Marriott - \$99
101 1st Avenue SW
Rochester, MN 55902
800-533-1655

All rates are based on single or double occupancy, plus tax.

Travel and lodging arrangements are the sole responsibility of the individual registrant.

REGISTRATION

Complete the attached registration form and return by mail or fax. The registration fee includes tuition, comprehensive course syllabus, continental breakfasts, break refreshments, BLS examination materials including the American Heart Association BLS Manual. Although it is not the Department of Radiology CME Office's policy to limit the number of registrants for a course, conference room facilities may necessitate closing of enrollment; therefore, early registration is advised. A letter of confirmation will be sent upon receipt of payment and completed registration form. Please present the confirmation letter when checking in at the meeting registration desk.

CANCELLATION POLICY

If you cancel your participation in this course, your registration fee, less a \$75 administrative fee, will be refunded when written notification is received by the Department of Radiology CME office no later than **November 7, 2008**, (FAX 507-266-3061).

Mayo School of CME and the Department of Radiology reserve the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event Mayo School of CME or the Department of Radiology CME office must cancel or postpone this course, the Department of Radiology will refund the registration fee, but is not responsible for any related costs, charges, or expenses to participants, including fees assessed by airline/travel/lodging agencies.

Faculty Disclosure

As a provider accredited by ACCME, College of Medicine, Mayo Clinic, must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director(s), planning committee, 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 also will 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.

Advanced Radiology Life Support Course Learning Objectives

Upon conclusion of this program, participants should be able to:

- Review types of contrast agents
- Identify all serious contrast reactions
- Describe appropriate treatment regimens for specific types of contrast reactions
- Review risk factors for, and potential impact of, contrast induced nephropathy
- Discuss most effective strategies for contrast administration in renal disease
- Describe proper use and administration of moderate sedation and analgesic medications
- Explain characteristics displayed by persons who are experiencing a heart attack, stroke, or airway obstruction
- Demonstrate the proper management of an airway in an emergency situation
- Identify risk factors for heart attack
- Review management strategies of early stages of complete cardiac arrest
- Distinguish between adult/child and single versus multiple rescuer procedures
- Operate an automatic external defibrillator
- Discuss methods for assisting infant, child, and adult choking victims

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.

Advanced Radiology Life Support Faculty

ARLS Course Co-Directors

Robert P. Hartman, MD
Assistant Professor of Radiology
College of Medicine, Mayo Clinic

Gina K. Hesley, MD
Assistant Professor of Radiology,
College of Medicine, Mayo Clinic

– *Continued on next page.*

Advanced Radiology Life Support Faculty

ARLS Course Faculty

Darcy J. Adamczyk, MD

Instructor in Radiology, College of Medicine, Mayo Clinic Rochester

Frederick Chen, MD

Instructor in Radiology, College of Medicine, Mayo Clinic Arizona

Patrick W. Eiken, MD

Department of Radiology, Mayo Clinic Rochester

Amy S. Ettore, MD

Instructor in Radiology, Mayo Clinic Rochester

Chad J. Fleming, MD

Department of Radiology, Mayo Clinic Rochester

Robert P. Hartman, MD

Assistant Professor of Radiology, College of Medicine, Mayo Clinic Rochester

Thomas E. Hartman, MD

Associate Professor of Radiology, College of Medicine, Mayo Clinic Rochester

Gina K. Hesley, MD

Assistant Professor of Radiology, College of Medicine, Mayo Clinic Rochester

Eric J. Lantz, MD

Assistant Professor of Radiology, College of Medicine, Mayo Clinic Rochester

Edward P. Lindell, MD

Assistant Professor of Radiology, College of Medicine, Mayo Clinic Rochester

Rebecca M. Lindell, MD

Assistant Professor of Radiology, College of Medicine, Mayo Clinic Rochester

Robert W. Maxwell, MD

Instructor in Radiology, Mayo Clinic Rochester

Sherrie L. Prescott, RN

Safety & Accreditation Coordinator

Quality Office – Department of Radiology, Mayo Clinic Rochester

Michael J. Quinn, CRNA

Instructor in Anesthesiology, College of Medicine, Mayo Clinic Rochester

Grant D. Schmit, MD

Instructor in Radiology, College of Medicine, Mayo Clinic Rochester

Darci J. Wall, MD

Department of Radiology, Mayo Clinic Rochester

Eric E. Williamson, MD

Assistant Professor of Radiology, College of Medicine, Mayo Clinic Rochester

Advanced Radiology Life Support Schedule

Saturday, November 15, 2008

- 7:00 a.m. **Registration and Breakfast
for meeting attendees**
- 7:45 a.m. **Introduction / Course Overview**
Robert Hartman
- 7:50 a.m. **Contrast Media**
Robert Hartman
- 8:20 a.m. **Recognition and Treatment
of Contrast Reactions**
Robert Hartman
- 8:50 a.m. **Sedation and Analgesia**
Michael Quinn
- 9:20 am **Break**
- 9:30 a.m. **Contrast Induced Nephropathy: Risk Factor Screening**
Chad J. Fleming
- 10:15 a.m. **Nephrogenic Systemic Fibrosis: An Update**
Eric Williamson
- 11:00 a.m. **SAM Exam and Course Review and Reflection**
- 11:15 a.m. **Station Practicals – ARLS Faculty**
A: Airway Management/BLS Training
B: Treatment Scenarios
- 12:45 p.m. **Lunch**
- 1:30 p.m. **BLS Video and Station Practicals**
- 2:45 p.m. **Break**
- 3:00 p.m. **BLS Video and Station Practicals**
- 5:15 p.m. **Written Examination**
- 5:45 p.m. **Meeting Adjourns**

Registration Form

Advanced Radiology Life Support Course™

Siebens Medical Education Building
Mayo Clinic, Rochester, Minnesota

Saturday, November 15, 2008

Mail form and payment to:
Department of Radiology CME Office
Mayo, West-2
200 First Street SW
Rochester, MN 55905

Telephone: 866-246-1581
or 507-284-3317
FAX: 507-266-3061
E-mail: radiologycme@mayo.edu

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

Name _____

First Name

Middle Name or Initial

Last Name

Degree MD DO RN LPN NP Other _____

Institution _____

Medical Specialty _____

E-mail Address _____

Which is your preferred mailing address: Work/Business Home

Address _____

City _____ State/PV _____

ZIP/Postal Code _____ Country _____

Home Telephone (_____) _____ Business Telephone (_____) _____

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

REGISTRATION FEE

| | | |
|---|-------|----------|
| Physicians/Scientists/Residents/Fellows | \$325 | \$ _____ |
| Nurses and Allied Health | \$250 | \$ _____ |

Total Payment Enclosed: \$ _____

PAYMENT METHOD

Check (*payable to Mayo Clinic*)
 Credit Card: Visa MasterCard Discover

Card Number _____ Expires Mo/Yr _____

Signature _____ Date _____



MAYO CLINIC

200 First Street SW
Rochester, Minnesota 55905

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Additional information call 1-866-246-1581.

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