

Department of Radiology

# **Advanced Radiology Life Support™ (ARLS) Course**

The ARLS and sedation materials included in this course were used to train physicians, nurses, and allied health personnel at the Mayo Clinic to meet Joint Commission Standards or to prepare for Joint Commission site visits. This training program may help to prepare your program for similar evaluations.

To order:

Call 1-866-246-1581

Fax 507-266-3061

# 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 reviewed.

## LEARNING OBJECTIVES

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

- Identify all serious contrast reactions
- Describe proper use, administration and potential side effects of sedation and analgesic medications
- Explain unusual characteristics displayed by persons who are experiencing airway obstruction
- Demonstrate the proper management of an airway in an emergency situation
- Review sedation guidelines for a Joint Commission (JC) site visit
- Review pediatric sedation and airway management
- Review risk factors for and potential impact of contrast induced nephropathy (CIN)
- Review risk factors for and potential impact of nephrogenic systemic fibrosis (NSF)
- Discuss most effective strategies for contrast administration in renal disease

## 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 4.75 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Release date: August 1, 2009

Last date of sale: July 1, 2012

Available for credit: August 1, 2009 – August 1, 2012

CME credit is obtained upon successful completion of a program evaluation.

## DVD INCLUDES

- Seven full-color DVDs, including carrying case
- Comprehensive program syllabus
- Program evaluation

## TO ORDER:

Phone: 1-866-246-1581

Fax: 507-266-3061

Web: <http://www.mayo.edu/cme/radiology.html>

E-mail: [radiologycme@mayo.edu](mailto:radiologycme@mayo.edu)

## ADDITIONAL USER PACKAGES

Additional User Packages (AUPs) can be purchased so that you and your colleagues can earn *AMA PRA Category 1 Credit*<sup>™</sup> from one set of DVD's at a fraction of the cost of buying the entire program. Each AUP includes one activity evaluation and set of written materials, but no DVDs.

## TOPICS AND FACULTY

### Course Directors

*Robert P. Hartman, M.D.*

*Chad J. Fleming, M.D.*

- Recognition and Treatment of Contrast Reactions  
*Provided by Mayo Clinic*
- Sedation of the Pediatric Patient  
*Mark S. Mannenbach, M.D.*  
Department of Emergency Medicine,  
Mayo Clinic Rochester
- Contrast Media  
*Robert P. Hartman, M.D.*  
Department of Radiology, Mayo Clinic  
Rochester
- Recognition and Treatment of Contrast Reactions  
*Robert P. Hartman, M.D.*  
Department of Radiology, Mayo Clinic  
Rochester
- Sedation and Analgesia: Care and Standards  
*Michael J. Quinn, CRNA*  
Department of Anesthesiology,  
Mayo Clinic Rochester
- Airway Management: Practical Applications  
*Michael J. Quinn, CRNA*  
Department of Anesthesiology,  
Mayo Clinic Rochester
- Contrast Induced Nephropathy: Risk Assessment, Management, and Contrast Administration Guidelines  
*Chad J. Fleming, M.D.*  
Department of Radiology, Mayo Clinic  
Rochester
- Nephrogenic Systemic Fibrosis: Guidelines for Gadolinium Administration  
*Eric E. Williamson, M.D.*  
Department of Radiology, Mayo Clinic  
Rochester

# REGISTRATION FORM

## Advanced Radiology Life Support Course™

### 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  
Email: radiologycme@mayo.edu

<http://www.mayo.edu/cme/radiology.html>

(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  PhD  PA  NP  Other \_\_\_\_\_

Institution \_\_\_\_\_

Medical Specialty \_\_\_\_\_

How did you learn about this course?

- Email Marketing  
 Full-Course Brochure Mailing  
 Website (please identify): \_\_\_\_\_  
 Other: \_\_\_\_\_

E-mail Address \_\_\_\_\_

Which is your preferred mailing address:  Work/Business  Home

Address \_\_\_\_\_

City \_\_\_\_\_ State/PV \_\_\_\_\_

ZIP/Postal Code \_\_\_\_\_ Country \_\_\_\_\_

Home Telephone (\_\_\_\_\_) \_\_\_\_\_ Business Telephone (\_\_\_\_\_) \_\_\_\_\_

### ARLS

DVD	\$975	\$ _____
Additional User Packages	\$350	\$ _____

**Total Payment Enclosed:** \$ \_\_\_\_\_

### PAYMENT METHOD

- Check (make checks payable to Mayo Clinic)  
 Credit Card:  Visa  MasterCard  Discover

Card Number \_\_\_\_\_ Expires Mo/Yr \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

## FACULTY DISCLOSURE

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



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Rochester, Minnesota 55905

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