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 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:
Website: radiologyeducation.mayo.edu
Phone: 866-246-1581
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 and the proper management of an airway in an emergency situation. The administration of contrast in patients with renal insufficiency including contrast induced nephropathy and nephrogenic systemic fibrosis will be discussed. Basic concepts of advanced life support will also be reviewed. This course is fashioned after the Advanced Cardiac Life Support (ACLS) course that has been successfully teaching physicians, nurses, and allied health personnel patient management during cardiac arrest.

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
- Review risk factors for and potential impact of nephrogenic systemic fibrosis (NSF)
- Discuss most effective strategies for contrast administration in renal disease
- Describe proper use and administration of moderate sedation and analgesic medications
- Demonstrate the proper management of an airway in an emergency situation

Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Mayo Clinic College of Medicine designates this enduring material for a maximum of 4.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. This course content includes three (3.0) hours of Sedation and Airway Management Training.

Release Date: August 1, 2014
Last Date of Sale: July 1, 2018
Available for Credit: August 1, 2014 – August 1, 2018
CME credit is obtained upon successful completion of a program evaluation and online post-course quiz. The quiz must be successfully passed with 80% or higher within two attempts.

FACULTY DISCLOSURE
As a provider accredited by ACCME, Mayo Clinic College of Medicine (Mayo School of CPD) 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 that participants in the activity may formulate their own judgments regarding the presentation.

NATIONAL PHYSICIAN PAYMENT TRANSPARENCY PROGRAM
Mayo Clinic College of Medicine complies with the requirements of the National Physician Payment Transparency Program OPEN PAYMENTS (Physician Payments Sunshine Act).

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 and the proper management of an airway in an emergency situation. The administration of contrast in patients with renal insufficiency including contrast induced nephropathy and nephrogenic systemic fibrosis will be discussed. Basic concepts of advanced life support will also be reviewed. This course is fashioned after the Advanced Cardiac Life Support (ACLS) course that has been successfully teaching physicians, nurses, and allied health personnel patient management during cardiac arrest.

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
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Other Health Care Professionals

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

Order Options

DVD Includes:
- Eight full-color DVDs, including carrying case
- Comprehensive program syllabus
- Online post-course quiz and program evaluation
- Suggested Guidelines for Recognition and Treatment of Contrast Reactions card
- AMA PRA Category 1 Credit™ for one person
- Option to purchase Additional User Packages (AUPs)
  - Can be purchased so that you and your colleagues can earn AMA PRA Category 1 Credit™ from one set of DVDs at a fraction of the cost of buying the entire program.
  - Each AUP includes one activity post-course quiz and evaluation, AMA PRA Category 1 Credit™ for one person, and one set of printed materials, but no DVDs.

Online Streaming Video (single-use) includes:
- Comprehensive program syllabus
- Online post-course quiz and program evaluation
- Suggested Guidelines for Recognition and Treatment of Contrast Reactions card
- AMA PRA Category 1 Credit™ for one person
- May be viewed at any time from any device (with streaming video capabilities)

To Order:

Web: radiologyeducation.mayo.edu
E-mail: radiologymce@mayo.edu
Phone: 1-866-246-1581
Fax: 507-266-3061

Topics and Faculty

Course Directors
Patrick W. Eiken, M.D. and Chad J. Fleming, M.D.
- Suggested Guidelines for Recognition and Treatment of Contrast Reactions
- Laminated Card 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
Patrick W. Eiken, M.D., Department of Radiology, Mayo Clinic Rochester

Sedation and Analgesia: Care and Standards
Eric E. Williamson, M.D., Department of Radiology, Mayo Clinic Rochester

Airway Management: Practical Applications
Robert P. Hartman, M.D., Department of Anesthesiology, Mayo Clinic Rochester

American Society of Radiology, Mayo Clinic Rochester

Other ___________________

Other: __________________

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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
radiologyeducation.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 □ PhD □ PA □ NP □ Other ________
Institution ________________________________
Medical Specialty ___________________________

How did you learn about this course?
☐ Email Marketing  ☐ Full-Course Brochure Mailing  ☐ RSNA
☐ Website (please identify): ___________________________
☐ Other: ___________________________

E-mail Address ________________________________

City __________________________ State/PV __________________________
ZIP/Postal Code ______________ Country ______________

Home Telephone (______) __________________________ Business Telephone (______) __________________________

ARLS ORDER OPTIONS

- DVD
- Additional User Packages
- Online Streaming Video

Total Payment Enclosed: __________________________

PAYMENT METHOD (*US funds only)* Wire transfers will be assessed a $25 USD fee.
☐ Check (make checks payable to Mayo Clinic)
☐ Credit Card: ☐ Visa ☐ MasterCard ☐ Discover

Card Number Expires Mo/Yr (3-digit Security Code)

Signature __________________________ Date ______________

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