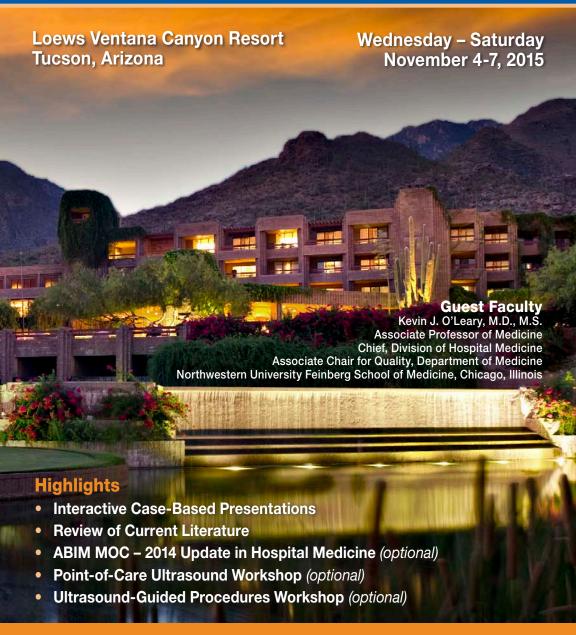


Mayo School of Continuous Professional Development

Mayo Clinic Hospital Medicine: Managing Complex Patients



General Information

COURSE DESCRIPTION AND LEARNING OBJECTIVES

As the field of hospital medicine continues to grow, so does the complexity and management of hospitalized patients. This program will address many of the challenges experienced by hospital-based health care professionals and provide a forum for the exchange of clinical and practice ideas to enhance the delivery of health care and provide better patient outcomes. Using an interactive, case-based format, key highlights from most major areas of internal medicine and its subspecialties will be presented.

To maximize your time away from your practice and enhance your learning experience, three optional educational activities will be offered: (1) Point-of-Care Ultrasound Workshop; (2) Ultrasound-Guided Procedures Workshop; and (3) the American Board of Internal Medicine Maintenance of Certification session on 2014 Update in Hospital Medicine. See "Optional Educational Activities" panel for further details.

Upon completion of this course, participants should be able to:

- List the initial steps in management of the hospitalized patient with bleeding complications who is on a novel oral anticoagulant.
- Determine the appropriate tests for evaluating syncope in the hospital.
- Cite the appropriate indications for blood cell transfusion in patients with upper gastrointestinal bleeding (UGIB).
- Manage an exacerbation of chronic obstructive pulmonary disease.
- Differentiate the most common types of transfusion reactions and recognize their management.
- Apply a cost-effective strategy to manage pneumonia in the hospital.
- Develop an approach to breaking bad news to a hospitalized patient.
- Classify the severity of aortic stenosis.
- Construct an effective medication plan for the treatment of acute pain.
- Evaluate thrombocytopenia in a hospitalized patient.

INTENDED AUDIENCE

This program is designed for inpatient care providers including physicians, nurse practitioners and physician assistants. Hospitalists are defined as those who spend most of their professional practice caring for hospitalized patients. Internal Medicine and Family Practice, among others, are specialties that have practitioners who care for hospitalized patients.

CREDIT

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 live activity for a maximum of $30 \text{ AMA PRA Category 1 Credits}^{TM}$ (18.5 general course; 4.5 for each workshop, and 2.5 ABIM MOC). Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Application for CME credit has been filed with the American Academy of Family Physicians. **Determination of credit is pending.**

This program has been accredited by the American Osteopathic Association for 30 credits of AOA Category 2-A.

Other Health Care Professionals

A record of attendance will be provided to all registrants for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

DISCLAIMER

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.

GRANTS AND EXHIBITS

As of this printing, a complete listing of commercial supporters was not available. Appropriate acknowledgment will be given to all supporters at the meeting. Exhibits will be available for viewing at all scheduled breaks.

General Information

MEETING LOCATION & ACCOMMODATIONS

Loews Ventana Canyon Resort 7000 North Resort Drive • Tucson, Arizona 85750 Web: www.loewshotels.com/Ventana-Canyon-Resort Telephone: 800-234-5117



Reservations: www.loewshotels.com/ventana-canyon/Mayo-Hospital-Medicine

Located on a plateau above the city of Tucson and nestled into the Catalina Mountain foothills, Loews Ventana Canyon Resort awaits you where natural splendor meets luxurious accommodations. The resort embraces the spirit of this unique and beautiful land. It's a hushed world where long-time residents such as the saguaro cacti, the coyote, and the great horned owl live in undisturbed harmony throughout its 100 acres.

This AAA Four Diamond resort features six restaurants and lounges, including one of only three AAA Five-Diamond restaurants in Arizona, two Tom Fazio-designed golf courses which rise into the foothills, two swimming pools, lighted tennis courts, fitness center, a full service spa, hiking, biking, and horseback riding. The resort is family-friendly and offers the Coyote Kids Club for children ages 4-12 years old as well as the Loews Loves Kids program.

The Loews Ventana Canyon Resort has reserved a block of rooms at a special group rate of \$189 (USD), plus applicable state/city sales tax, per night, for course participants and guests. Group rates apply three days prior to and three days post-course dates, based upon availability. To ensure accommodations, make your reservation before the room block fills or by October 20, 2015 via website, www.loewshotels.com/ventana-canyon/Mayo-Hospital-Medicine or call 800-234-5117 and reference "Mayo Clinic Hospital Medicine."

The resort fee (\$25 per room per night plus tax) has been waived. Premium internet in guest rooms, self and valet parking, fitness center access, yoga and fitness classes, unlimited local phone calls, shuttle to Sabino Canyon and one hour tennis court rental are complimentary for course attendees and their guests.

Attendees are responsible for their own reservations. The standard hotel reservation cancellation policy will apply to individual reservations unless otherwise specified.

AIRPORTS

- Tucson International Airport; TUS (20 miles/38 minutes) www.flytucsonairport.com
- Phoenix Sky Harbor International Airport; PHX (114 miles/2 hours) www.skyharbor.com

GROUND TRANSPORTATION

Hertz is offering a reduced daily rate for participants attending the course. Visit Hertz online, **www.hertz.com**, and enter convention number (CV) **03NR0010** in the respective "Discount or Promo Code" section. Special rates include unlimited mileage and are subject to availability. Advance reservations are recommended as cars are subject to availability; blackout dates may apply.

RECREATION/LEISURE ACTIVITIES

Whether you're visiting Tucson for the first time, or you're a local searching for what's new, Tucson has what you're looking for. With incredible attractions for the whole family, 350 days of sunshine for outdoor adventures and golf, an extensive arts and culture background, world-class accommodations and spas, and a burgeoning culinary and nightlife scene, Tucson will keep you entertained and wanting to come back for more.

Nearby the Loews Ventana Canyon Resort is the Arizona-Sonora Desert Museum, Sabino Canyon with its unique wildlife and cool rivers, and the Tucson Botanical Gardens. Visit www.visittucson.org for additional recreation and leisure activities.

AMERICANS WITH DISABILITIES ACT

Mayo Clinic College of Medicine fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks prior to the activity. Email address: mca.cme@mayo.edu

Optional Educational Activities

POINT-OF-CARE ULTRASOUND WORKSHOP

Wednesday, November 4, 2015 • 1:15 – 5:45 p.m. • Fee: \$400 (lunch included)

Space is limited; early registration advised. Pre-registration required.

WORKSHOP DESCRIPTION AND LEARNING OBJECTIVES

This introductory workshop is designed for clinicians interested in exploring the use of point-of-care diagnostic ultrasound and performing ultrasound examinations on live models with bedside instruction. This workshop will emphasize focused cardiac ultrasound, assessing global contractility and presence of pericardial effusions. An integral part of the echocardiogram will be visualization of the inferior vena cava as a means of estimating central venous pressure.

Participants also will have an opportunity to perform abdominal ultrasound (FAST), thoracic ultrasound (rule out pneumothorax) and lumbar spine (to assist LP). Participants interested in utilizing ultrasound as an adjunct to performing procedures will have an opportunity to scan the internal jugular vein, and peripheral veins (brachial, femoral, popliteal, etc.).

Upon completion of this session, participants should be able to:

Wednesday, November 4, 2015

Adjourn

5:45

- Visualize the heart in at least two different windows and assess global contractility.
- Identify the pericardium and describe the appearance of a pericardial effusion.
- Visualize the inferior vena cava and estimate central venous pressure based on measurement of the diameter and collapsibility.
- Visualize the internal jugular vein and demonstrate how to distinguish the IJ from the carotid artery.
- Visualize and recognize normal anatomy and physiology of pleura and underlined lungs.

12:45 p.m. Lunch 1:15 Introduction to Point-of-Care Ultrasound Workshop Ilko V. Ivanov, M.D. and Joseph P. Wood, M.D. 1:45 Point-of-Care Ultrasound Workshop – Station Rotations Hannelisa E. Callisen, P.A., Ilko V. Ivanov, M.D., Stacy L. Libricz, P.A.-C., M.S., Steven A. Maher, M.D., Michael J. Maniaci, M.D., and Joseph P. Wood, M.D.

Point-of-Care Ultrasound Workshop

Attendance at this workshop will improve knowledge and clinical skills, but will not certify or guarantee competence or proficiency in the performance of these procedures.

ULTRASOUND-GUIDED PROCEDURES WORKSHOP

Thursday, November 5, 2015 • 1:15 – 5:45 p.m. • Fee: \$400 (lunch included) Space is limited; early registration advised. Pre-registration required.

WORKSHOP DESCRIPTION AND LEARNING OBJECTIVES

The use of ultrasound to verify and access a target is considered a standard of care for most common bedside procedures. This has been shown to increase success and safety and decrease complications. This workshop has been designed to introduce clinicians to the concept of ultrasound use for central line placement, thoracentesis, paracentesis, and lumbar puncture.

The workshop will begin with an introduction to pertinent technical aspects of ultrasound image acquisition and individual procedures (common indications, contraindications, equipment, fluid studies, pitfalls and troubleshooting). With assistance by bedside instructors, participants will then have an opportunity to scan live models and practice procedures on mannequins.

Optional Educational Activities

Upon completion of this session, participants should be able to:

- Visualize the internal jugular vein and differentiate from the carotid artery.
- Recognize and locate a fluid collection in the chest and abdominal cavities.
- Introduce a needle under direct ultrasound guidance into the desired target.
- Visualize and recognize perispinal/spinal structures and mark appropriate target for lumbar puncture.

Thursday, November 5, 2015 Ultrasound-Guided Procedures Workshop 12:45 p.m. Lunch 1:15 Introduction to Ultrasound-Guided Procedures Workshop Ilko V. Ivanov, M.D. and Joseph P. Wood, M.D. 1:45 Ultrasound-Guided Procedures Workshop – Station Rotations Hannelisa E. Callisen, P.A., Ilko V. Ivanov, M.D., Stacy L. Libricz, P.A.-C., M.S., Steven A. Maher, M.D., Michael J. Maniaci, M.D., and Joseph P. Wood, M.D. 5:45 Adjourn

Attendance at this workshop will improve knowledge and clinical skills, but will not certify or guarantee competence or proficiency in the performance of these procedures.

AMERICAN BOARD OF INTERNAL MEDICINE MAINTENANCE OF CERTIFICATION LEARNING SESSION 2014 UPDATE IN HOSPITAL MEDICINE

Friday, November 6, 2015 • 1:30 – 4:00 p.m. • Fee: \$150 Pre-registration required.

SESSION DESCRIPTION AND LEARNING OBJECTIVES

The American Board of Internal Medicine (ABIM) Maintenance of Certification (MOC) Learning Sessions provide a collaborative environment for ABIM Board Certified physicians to complete medical knowledge modules and earn MOC credit. Led by ABIM Board Certified physicians, these interactive sessions allow you to work with other physician colleagues and develop consensus answers to module questions.

The ABIM MOC Medical Knowledge Module for 2014 Update in Hospital Medicine contains 30 multiple-choice questions and is worth 10 MOC points. Expert faculty analyze each module question, review current evidence and key points, and summarize clinical pearls. Session attendees actively participate using an audience response system and verbalize their understanding of current evidence.

After completion of this learning session, the attendee can go online to obtain MOC credit from ABIM. An additional fee applies. For those not enrolled in ABIM's MOC program, the learning session provides an excellent opportunity to earn continuing medical education credit directly from Mayo Clinic.

Upon completion of this session, participants should be able to:

- Discuss recent updates in hospital medicine.
- Complete the ABIM 2014 Hospital Based Medicine module.
- Synthesize recent changes in ABIM MOC process.

Friday, November 6, 2015

ABIM MOC

1:30 p.m. **ABIM MOC Learning Session – 2014 Update in Hospital Medicine** Amit K. Ghosh, M.D. and Meltiady Issa, M.D.

4:00 Adjourn

Program

Wednesda	ıy, November 4, 2015
7:00 a.m.	Registration, Continental Breakfast and Exhibits
7:40	Welcome and Introductions
7:45	Pancreatitis Amindra S. Arora, M.B., B.Chir.
8:15	Cytopenias in the Hospital Alexandra P. Wolanskyj, M.D.
8:45	Obstructive Lung Disease in the Hospital Karen L. Swanson, D.O.
9:15	Manage to Reimbursement Strategies for Pneumonia Care: Impact on Quality and Cost of Care Bryan P. Hull, M.D.
9:45	Question and Answer Amindra S. Arora, M.B., B.Chir., Alexandra P. Wolanskyj, M.D., Karen L. Swanson, D.O., and Bryan P. Hull, M.D.
10:00	Refreshment Break and Exhibits
10:15	Patient-Centered Hospital Care Kevin J. O'Leary, M.D., M.S.
11:00	Cases in Colitis Seth R. Sweetser, M.D.
11:30	Oncology for the Non-Oncologist Syed Ahsan Rizvi, M.D.
Noon	Introduction to Ultrasound Joseph P. Wood, M.D.
12:30 p.m.	Question and Answer Kevin J. O'Leary, M.D., M.S., Seth R. Sweetser, M.D., Syed Ahsan Rizvi, M.D. and Joseph P. Wood, M.D.
12:45	Adjourn
OPTIONA	L EDUCATIONAL ACTIVITY
12:45 - 5:45	Point-of-Care Ultrasound Workshop
	(see Optional Educational Activities panel for additional information)
6:00	Welcome Reception
Thursday,	November 5, 2015
7:00 a.m.	Continental Breakfast and Exhibits
7:40	Announcements
7:45	Teamwork in the Hospital Kevin J. O'Leary, M.D., M.S.
8:30	Diabetes Management
9:00	Perioperative Medicine Michael J. Maniaci, M.D.
9:30	Medicare Myths Ashton L. Schatz, J.D.
10:00	Question and Answer Kevin J. O'Leary, M.D., M.S., Pankaj Shah, M.D., Michael J. Maniaci, M.D., and Ashton L. Schatz, J.D.
10:15	Refreshment Break and Exhibits
10:30	Syncope
11:00	Stroke/TIA Kevin M. Barrett, M.D.
11:30	Challenging Fluid Assessment / Hyponatremia Cases
Noon	Sepsis
12:30 p.m.	Question and Answer Win-Kuang Shen, M.D., Kevin M. Barrett, M.D., Ibrahim Qaqish, M.D., and Daniel L. Roberts, M.D.
12:45	Adjourn

OPTIONAL EDUCATIONAL ACTIVITY

12:45 - 5:45 **Ultrasound-Guided Procedures Workshop** (see Optional Educational Activities panel for additional information)

Program

10:00

10:15

10:45

11:15

11:45

12:30

12:15 p.m.

Friday, November 6, 2015				
7:00 a.m.	Continental Breakfast and Exhibits			
7:40	Announcements			
7:45	Novel Oral Anticoagulants in the Hospital Robert D. McBane, M.D.			
8:15	Transfusion Reactions Jeffrey L. Winters, M.D.			
8:45	Medication Allergies Arveen K. Thethi, M.D.			
9:15	Overdoses and Withdrawals John G. Park, M.D.			
9:45	Question and Answer Robert D. McBane, M.D., Jeffrey L. Winters, M.D., Arveen K. Thethi, M.D., and John G. Park, M.D.			
10:00	Refreshment Break and Exhibits			
10:15	Update in Hospital Medicine A. Scott Keller, M.D.			
11:00	Pneumonia John G. Park, M.D.			
11:30	Pain ManagementJacob J. Strand, M.D.			
Noon	Question and Answer A. Scott Keller, M.D., John G. Park, M.D., and Jacob J. Strand, M.D.			
12:30 p.m.	Adjourn			
OPTIONA	L EDUCATIONAL ACTIVITY			
1:30 - 4:00	American Board of Internal Medicine			
	Maintenance of Certification Learning Session 2014 Update in Hospital Medicine			
	Amit K. Ghosh, M.D. and Meltiady Issa, M.D.			
	(see Optional Educational Activities panel for additional information)			
Saturday, November 7, 2015				
7:00 a.m.	Continental Breakfast and Exhibits			
7:40	Announcements			
7:45	How to Share Devastating			
	News with Patient and Family:			
0.15	Lessons from the Bedside Edward T. Creagan, M.D.			
8:15	The Difficult Patient Encounter			
8:45	Urinary Retention in the Hospital Christopher E. Wolter, M.D.			
9:15	Acute Coronary Syndrome Malcolm R. Bell, M.D.			
9:45	Question and Answer Edward T. Ceagan, M.D., Brian A. Palmer, M.D.,			

Christopher E. Wolter, M.D., and Malcolm R. Bell, M.D.

Aortic Stenosis Vuyisile T. Nkomo, M.D., M.P.H.

Vasculitis Kenneth J. Warrington, M.D.

Upper Gastrointestinal Bleeding Sarah B. Umar, M.D.

Chest Tube Management Dawn E. Jaroszewski, M.D.

Vuyisile T. Nkomo, M.D., M.P.H., Kenneth J. Warrington, M.D.,

Sarah B. Umar, M.D., and Dawn E. Jaroszewski, M.D.

Closing Comments, Evaluation and Adjourn

Refreshment Break and Exhibits

Question and Answer

COURSE DIRECTOR

John T. Ratelle, M.D.

COURSE CO-DIRECTORS

Ilko V. Ivanov, M.D.

Jamie S. Newman, M.D. Editorial Advisor, *ACP Hospitalist*

GUEST FACULTY

Kevin J. O'Leary, M.D., M.S.
Associate Professor of Medicine
Chief, Division of Hospital Medicine
Associate Chair for Quality, Department of Medicine
Northwestern University Feinberg School of Medicine
Chicago, Illinois

MAYO CLINIC FACULTY

Amindra S. Arora, M.B., B.Chir.

Kevin M. Barrett, M.D.

Malcolm R. Bell, M.D.

Edward T. Creagan, M.D.

Bryan P. Hull, M.D.

Dawn E. Jaroszewski, M.D.

A. Scott Keller, M.D.

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Vuyisile T. Nkomo, M.D., M.P.H.

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Jeffrey L. Winters, M.D.

Alexandra P. Wolanskyj, M.D.

Christopher E. Wolter, M.D.

Joseph P. Wood, M.D.

Sarah B. Umar, M.D.

WORKSHOP FACULTY

Hannelisa E. Callisen, P.A. Ilko V. Ivanov, M.D.

Stacy L. Libricz, P.A.-C., M.S.

Steven A. Maher, M.D. Michael J. Maniaci, M.D.

Joseph P. Wood, M.D.

ABIM MAINTENANCE OF CERTIFICATION FACULTY

Amit K. Ghosh, M.D.

Meltiady Issa, M.D.

MAYO CLINIC PLANNING COMMITTEE

Elizabeth L. Canan

Ilko V. Ivanov, M.D.

Jenny Kundert, C.M.P.

Michael J. Maniaci, M.D.

Jamie S. Newman, M.D.

John T. Ratelle, M.D. Daniel L. Roberts, M.D. Cydni A. Smith, M.H.S.A. Roger Yu, M.D.

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 Members, 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 will also 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.

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).

\$75 DISCOUNT FOR EARLY REGISTRATION

www.ce.mayo.edu/internal-medicine/node/1291 (offer expires October 3, 2015)
When registering online, please be sure to "check-out" after your profile is created or updated.

GENERAL COURSE REGISTRATION FEES	On/Before 10/3/15	After 10/3/15
Physicians Active in Practice	\$700	\$775
Other (resident, retired, allied health)	\$600	\$675

Note: Please refer to course agenda for included meals and refreshments.

OPTIONAL EDUCATIONAL ACTIVITIES

Point-of-Care Ultrasound Workshop (Wednesday, November 4)	\$400
Ultrasound-Guided Procedures Workshop (Thursday, November 5)	\$400
ABIM MOC Learning Session (Friday, November 6)	\$150

WELCOME RECEPTION

Wednesday, November 4, 6-7:30 p.m. (2 tickets included in registration fee) Additional Tickets:

Adult – \$50 each Child 5-12 years – \$20 Child 0-4 years – No charge

Your general course registration fee includes tuition, access to the online course syllabus, continental breakfast and break refreshments each day. A link to the online syllabus will be sent via email one week prior to the course. This allows you to view, save or print the syllabus before attending the course.

An email confirmation will be sent upon receipt of payment and completed registration. If you do not receive your confirmation, or if you have any questions, please email us at **mca.cme@mayo.edu** or call **(480) 301-4580**.

No refund will be granted unless a written notice of cancellation is received. If registration must be canceled, tuition, less a \$75 administrative fee, will be refunded when notification is received on or before October 21, 2015. No refunds will be made after this date.

Although it is not Mayo Clinic's policy to limit the number of registrants for a course, conference room facilities may necessitate closure of enrollment. Early registration is strongly recommended. Walk-in registrations cannot be guaranteed.

Mayo School of Continuous Professional Development (MSCPD) reserves the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event that MSCPD must cancel or postpone this course, MSCPD will fully refund the registration fee, but is not responsible for any related costs, charges or expenses to participants, including fees assessed by airline, travel or lodging agencies.

Mayo Clinic will not be responsible for expenses incurred by individuals who are not confirmed for courses with a closed registration status. Costs incurred by the registrant such as airline/hotel fees or penalties are the responsibility of the registrant.





Mayo Clinic

REGISTER NOW!

Website: www.ce.mayo.edu • E-mail: mca.cme@mayo.edu • Phone: 480-301-4580 For more information, contact Mayo School of Continuous Professional Development

Mayo Clinic Hospital Medicine: Managing Complex Patients

Wednesday – Saturday November 4-7, 2015

MAYO

The Mayo Clinic CME course app puts everything you need to know about the course directly onto your mobile device. App highlights include accessing presentation slides and

Loews Ventana Canyon Resort **Tucson**, Arizona

\$75 Discount expires October 3, 2015 www.ce.mayo.edu/internal-medicine/node/1291

13400 East Shea Boulevard Scottsdale, Arizona 85259

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A step-by-step guide to using the Mayo Clinic CME App will

taking notes directly on the slides.

be provided to all course participants prior to the course.