Program Faculty

Sundar Krishnan, MBBS
Program Director
Clinical Assistant Professor
Division of Cardiothoracic Anesthesia
Division of Surgical and Neurosciences Intensive Care

Benjamin Randall, MD
Fellow, Cardiothoracic Anesthesia

Srinivasan Rajagopal, MD
Clinical Assistant Professor
Division of Cardiothoracic Anesthesia

Sudhakar Subramani, MD
Clinical Assistant Professor
Division of Cardiothoracic Anesthesia

Alan Ross, MD
Associate Professor
Cardiothoracic Anesthesia Fellowship Director
Division of Cardiothoracic Anesthesia

Ken-ichi Ueda, MD
Clinical Associate Professor
Division of Cardiothoracic Anesthesia

Satoshi Hanada, MD
Clinical Assistant Professor
Division of Cardiothoracic Anesthesia

University of Iowa Health Care
Roy J. and Lucille A. Carver College of Medicine
Department of Anesthesia

BASIC TEE REVIEW

Continuing Medical Education
100 Medicine Administration Building
Iowa City, Iowa 52242-1101
To register online: go to www.medicine.uiowa.edu/cme and click on Upcoming Conferences

Provided by:
Department of Anesthesia
Roy J. and Lucille A. Carver College of Medicine

Basic TEE Review Course
Saturday, June 18, 2016
Cullen Conference Room
6426 John Colloton Pavilion
University of Iowa Hospitals and Clinics
Iowa City, Iowa
GENERAL INFORMATION

PURPOSE
Intraoperative evaluation of hemodynamic function is often challenging. Anesthesia providers need to make decisions based on their assessment of the patient’s fluid status, cardiac contractility and valvular function. Perioperative transesophageal echocardiography (TEE) has been validated as a minimally-invasive tool for such cardiac evaluation. The impact of TEE extends from extreme scenarios (intraoperative cardiac arrest or severe hemodynamic instability) to routine monitoring in appropriate patients who might undergo significant fluid shifts intraoperatively. This course will allow anesthesia providers to review the basic principles of perioperative TEE monitoring.

CREDIT
The University of Iowa Roy J. and Lucille A. Carver College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The University of Iowa Carver College of Medicine designates this live activity for a maximum of 6.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

REGISTRATION FEES
All fees include registration, instruction and educational materials, CME recording, and breaks.

- Anesthesiologists: $200
- CRNAs, SRNAs, and Anesthesia Assistants: $150
- Fellows and Residents: $100

EDUCATIONAL OBJECTIVES
After attending this course, attendees should be able to:

- Describe the safety, indications, contraindications and complications for perioperative TEE
- Relate the underlying physics and anatomical relationships while performing perioperative TEE
- Differentiate between normal and abnormal ventricular and valvular function
- Evaluate hemodynamic function with perioperative TEE

AGENDA

Morning Session
8:00-8:20 Introduction
Drs. Krishnan
8:20-8:50 Patient Safety Considerations and Knobology
Dr. Krishnan
8:50-9:20 Echo Physics
Dr. Randall
9:20-9:50 Artifacts and Pitfalls
Dr. Randall
9:50-10:10 Break
10:10-10:40 Normal Cardiac Anatomy and Imaging Plane Correlation
Dr. Rajagopal
10:40-11:10 Identification of Intracardiac Masses in Non-Cardiac Surgery
Dr. Subramani
11:10-11:40 Basic Perioperative Hemodynamic Assessment
Dr. Subramani
11:40-12:40 Lunch

Afternoon Session
12:40-1:10 Global Ventricular Function
Dr. Ross
1:10-1:40 Regional Ventricular Systolic Function and Recognition of Pathology
Dr. Ross
1:40-2:10 Basic Recognition of Cardiac Valve Abnormalities Part 1
Dr. Ueda
2:10-2:30 Break
2:30-3:00 Basic Recognition of Cardiac Valve Abnormalities Part 2
Dr. Ueda
3:00-3:30 Aortic Disease
Dr. Hanada
3:30-4:00 Basic Recognition of Congenital Heart Disease in the Adult
Dr. Hanada
4:00 Adjourn
GENERAL INFORMATION

PURPOSE
Intraoperative evaluation of hemodynamic function is often challenging. Anesthesia providers need to make decisions based on their assessment of the patient’s fluid status, cardiac contractility and valvular function. Perioperative transesophageal echocardiography (TEE) has been validated as a minimally-invasive tool for such cardiac evaluation. The impact of TEE extends from extreme scenarios (intraoperative cardiac arrest or severe hemodynamic instability) to routine monitoring in appropriate patients who might undergo significant fluid shifts intraoperatively. This course will allow anesthesia providers to review the basic principles of perioperative TEE monitoring.

CREDIT
The University of Iowa Roy J. and Lucille A. Carver College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Iowa Carver College of Medicine designates this live activity for a maximum of 6.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

EDUCATIONAL OBJECTIVES
After attending this course, attendees should be able to:

♦ Describe the safety, indications, contraindications and complications for perioperative TEE

♦ Relate the underlying physics and anatomical relationships while performing perioperative TEE

♦ Differentiate between normal and abnormal ventricular and valvular function

♦ Evaluate hemodynamic function with perioperative TEE

REGISTRATION FEES
All fees include registration, instruction and educational materials, CME recording, and breaks.

Anesthesiologists $200
CRNAs, SRNAs, and Anesthesia Assistants $150
Fellows and Residents $100

AGENDA

Morning Session
8:00-8:20 Introduction
Drs. Krishnan
8:20-8:50 Patient Safety Considerations and Knobology
Dr. Krishnan
8:50-9:20 Echo Physics
Dr. Randall
9:20-9:50 Artifacts and Pitfalls
Dr. Randall
9:50-10:10 Break
10:10-10:40 Normal Cardiac Anatomy and Imaging Plane Correlation
Dr. Rajagopal
10:40-11:10 Identification of Intracardiac Masses in Non-Cardiac Surgery
Dr. Subramani
11:10-11:40 Basic Perioperative Hemodynamic Assessment
Dr. Subramani
11:40-12:40 Lunch

Afternoon Session
12:40-1:10 Global Ventricular Function
Dr. Ross
1:10-1:40 Regional Ventricular Systolic Function and Recognition of Pathology
Dr. Ross
1:40-2:10 Basic Recognition of Cardiac Valve Abnormalities Part 1
Dr. Ueda
2:10-2:30 Break
2:30-3:00 Basic Recognition of Cardiac Valve Abnormalities Part 2
Dr. Ueda
3:00-3:30 Aortic Disease
Dr. Hanada
3:30-4:00 Basic Recognition of Congenital Heart Disease in the Adult
Dr. Hanada
4:00 Adjourn
Program Faculty

Sundar Krishnan, MBBS
Program Director
Clinical Assistant Professor
Division of Cardiothoracic Anesthesia
Division of Surgical and Neurosciences Intensive Care

Benjamin Randall, MD
Fellow, Cardiothoracic Anesthesia

Srinivasan Rajagopal, MD
Clinical Assistant Professor
Division of Cardiothoracic Anesthesia

Sudhakar Subramani, MD
Clinical Assistant Professor
Division of Cardiothoracic Anesthesia

Alan Ross, MD
Associate Professor
Cardiothoracic Anesthesia Fellowship Director
Division of Cardiothoracic Anesthesia

Ken-ichi Ueda, MD
Clinical Associate Professor
Division of Cardiothoracic Anesthesia

Satoshi Hanada, MD
Clinical Assistant Professor
Division of Cardiothoracic Anesthesia

University of Iowa Health Care
Roy J. and Lucille A. Carver College of Medicine
Department of Anesthesia

BASIC TEE REVIEW
Provided by:
Department of Anesthesia
Roy J. and Lucille A. Carver College of Medicine

Continuing Medical Education
100 Medicine Administration Building
Iowa City, Iowa 52242-1101
To register online: go to www.medicine.uiowa.edu/cme and click on Upcoming Conferences

Cullen Conference Room
6426 John Colloton Pavilion
University of Iowa Hospitals and Clinics
Iowa City, Iowa

Saturday, June 18, 2016