International College of Robotic Surgery presents

INTRACARDIAC ROBOTICS 2018

January 25-26, 2018

Intuitive Surgical Training Facility
5655 Spalding Drive
Norcross, GA 30092
COURSE DESCRIPTION
The International College of Robotic Surgery was created at Emory Saint Joseph’s Hospital in 2009 to teach cardiac robotics to teams with a focus on patient centered intracardiac and revascularization procedures. Emory is a worldwide leader in cardiac robotics and has the opportunity to host another cardiac robotics meeting at the Intuitive Surgical Training Facility. This state-of-the-art facility with multiple operating bays fitted with Si and Xi robots allows hands-on experience for attendees who elect the practical track. The course will include comprehensive presentations on intracardiac (mitral, tricuspid, ASD, ablation and tumors) robotic procedures.

TARGET AUDIENCE
TRACK I
- Surgical Teams who want to learn about the capabilities of cardiac robotics from experts in the field.
- Surgical Teams who have made a commitment to establishing a cardiac robotic team and desire guidance in team organization, operating room design, operative steps, and hands on practice with robotic simulators and porcine/chamberlain models

TRACK II
- Surgical Teams already performing cardiac robotics who wish to learn techniques of greater applicability like transitioning from transthoracic aortic clamping to endoaortic balloon techniques or moving from a thoracotomy to an endoscopic approach.
- Surgical Teams with significant robotic experience who wish to collaborate with other experienced teams using Interactive Group Methodology to continue to evolve best practices techniques.

CONTINUING EDUCATION CREDIT
The Emory University School of Medicine designates this live activity for a maximum of 15.25 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity. The Emory University School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

LEARNING OBJECTIVES
Upon completion of this education activity, learners should be able to:
- Identify prerequisites for surgeon and team selection for starting and sustaining a cardiac robotic program.
- Outline the multidisciplinary components of building a robotic program including administration and health care team personnel.
- Creation of a state-of-the-art robotic operating suite.
- Coordinate surgical steps from pre-op to post-op.
- Perform perfusion technique for retrograde/antegrade cardioplegia management.
- Perform an endo-aortic balloon placement and management during bypass.
- Extend robotic intracardiac applications to patients with aortic regurgitation, LV dysfunction, pulmonary hypertension, MAC, aorta-iliac disease, small femoral arteries, and skeletal deformities.
- Discuss methodologies to avoid peri-operative complications including aortic injury, bleeding, circumflex injury, and lung injury.

COURSE LOCATION AND LODGING
All sessions will be held at the Intuitive Surgical Training Facility, 5655 Spalding Drive, Norcross, GA 30092. This state-of-the-art facility is designed for integrated groups of surgeons and OR staff and team-oriented approach to robotic training.

Accommodations can be reserved at the nearby Atlanta Marriot Peachtree Corners, 475 Technology Parkway, Peachtree Corners, GA 30092.

Please call 770-263-8558 and ask for the Emory Robotics Workshop discounted rate of $154 plus tax.

CLICK HERE to make your reservation online.
Thursday, January 25, 2018

Day One: Focus on Instrumentation

6:45 a.m. Breakfast

7:30 Welcome and Course Orientation: Value Proposition for Robotics

7:45 The Status of Cardiac Robotics Worldwide: Numbers and Publications

8:00 Pre-Op Evaluation for Intracardiac Robotics

8:15 Setting Up the Intracardiac Robotic OR for Efficiency and Safety

8:30 Interactive Group Method
  - Step by Step Overview of Intracardiac Robotic Procedures
  - Ports and How to Maximize Exposure of LA & RA Structures

9:30 Coffee Break and Visit Exhibitors

10:00 Interactive Group Method
  - Mitral Valve Repair Tasks
  - LAA Closure, Cryoablation
  - Mitral Valve Replacement
  - Tricuspid Repair

12:00 p.m. Lunch

1:15 Breakout Sessions:

Track I Practical Lab Sessions
Teams break out to lab bays with expert surgeon guidance using porcine hearts within chamberlain thoracic models. The heart models are pre-prepared with a closed aorta, opening of the left atrium, anterior and posterior flails. The practical exercise will involve:

- Robotic Simulators
- Posterior resection and suturing with saline testing
- Posterior neochords with saline testing
- Anterior neochords with saline testing
- Annuloplasty with running or interrupted suture, cor knot or tied
- Left atrial appendage closure
- Manipulation of the cryo-catheter with probe holders
- Mitral valve replacement with chordal preservation

Track II Case Presentations

- Complex Mitrals
- MV-TV Cases
- Endocarditis
- Perivalvular Leak Repairs
- MV with MAC
- Complex ASD
- Challenging Tumor Cases

4:15 Group Q & A Discussion

5:15 Adjourn

7:00 Group Dinner - Marriott
FRIDAY, JANUARY 26, 2018
DAY TWO: Focus on Perfusion Options and Safety

6:45 a.m.  BREAKFAST
7:30  ANESTHESIA FOR ROBOTICS: TUBES, LINES, AND TEE
8:00  USING CTA AS A GUIDE FOR PERFUSION
8:15  TRANSTHORACIC CLAMP AORTIC OCCLUSION – WHY AND HOW
8:30  ENDOAORTIC BALLOON OCCLUSION TECHNIQUE – WHY AND HOW
8:45  MYOCARDIAL PROTECTION WITH ROBOTICS
     - When to use retrograde
     - Managing aortic regurgitation
9:30  BREAK AND VISIT EXHIBITS
10:00  SAFETY IN THE ROBOTIC CARDIAC OPERATING ROOM: PREVENTING COMPLICATIONS:
     - Stroke
     - Liver injury
     - Direct lung injury and unilateral pulmonary edema
     - Circumflex injury
     - Coronary sinus injury
     - Aortic injury
     - Ischemic leg and compartment syndrome
     - Right chest bleeding: Good, Bad, and the Ugly
     - Conversion to sternotomy: When and how
12:00 p.m.  LUNCH
1:15  BREAKOUT SESSIONS:
     TRACK I  PRACTICAL LAB SESSIONS
     Teams break out to lab bays with expert surgeon guidance
     TRACK II  COMPLEX CASE ISSUES
     - COMPLEX PERFUSION ISSUES
       * Auxillary perfusion with endoaortic balloon
     - MYOCARDIAL PROTECTION WITH PATENT CABG
     - ROBOTICS AFTER MEDIAN STERNOTOMY
     - ROBOTICS AFTER FAILED ROBOTIC MV
3:15  GROUP Q & A DISCUSSION
4:00  MEETING END – Bus to airport
**COURSE DIRECTOR**

Douglas Murphy, MD  
Chief of Cardiac Surgery  
Associate Professor of Surgery  
Medical Director Robotic Surgery  
Emory Saint Joseph’s Hospital  
Atlanta, GA

Michael Halkos, MD  
Associate Professor of Surgery  
Division Chief, Cardiothoracic Surgery  
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T. Sloane Guy, MD  
Associate Professor of Clinical Cardiothoracic Surgery  
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Kimberly Haluski, MD  
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Husam Balkhy, MD  
Associate Professor of Surgery  
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Robotic Cardiac Surgery  
The University of Chicago Medicine

J. Michael Smith, MD  
Adjunct Associate Professor of Surgery  
Chief of Cardiac Surgery  
University of Cincinnati College of Medicine

**EMORY SAINT JOSEPH’S ROBOTIC TEAM:**  
Experienced team members will assist your teams during practical lab to maximize the learning experience.

**Facilitator:** Sherry Rogers, Robotic Program Director  
**Bedside Assist:** Ted Cocian and Jeanette Karstensen  
**RN Circulator:** Bonna Guy Rice and Jim Craig
REGISTRATION

The registration fee includes course materials, continental breakfast, lunch and breaks, Thursday dinner, and other amenities involved to ensure a rewarding learning experience. Minimum and maximum enrollments have been established.

A refund your registration fee (less a $50 administration fee) will be made if written cancellation is received no later than January 3, 2018. No refunds will be made after January 3.

The liability of Emory University is limited to the registration fee. Emory will not be responsible for any losses incurred by registrants, including but not limited to airfare cancellation or hotel deposits.

REGISTRATION FEES

TRACK I: $1800
2-member team (Surgeon, 1st Assistant)
Each additional non MD person - $350
One team member should register, pay the fee and ENTER the other team member.

TRACK II:
MD - $850
Each additional non MD person - $350

CLICK HERE TO REGISTER ONLINE

ADDITIONAL INFORMATION

Please contact Sherry Rogers
Sherry.Rogers@emoryhealthcare.org

or the Emory CME Office
404-727-5695

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