Swedish Heart & Vascular Institute in collaboration with the Seattle Science Foundation

The Transradial Approach: A Case-based and Hands-on Training Course

Friday and Saturday
November 7-8, 2014
Seattle Science Foundation
550 17th Avenue, Suite 600
Seattle, Washington

“I found this to be an excellent course. There was an excellent integration of technology, clinically useful instruction, engaging discussions and evidence-based medicine. The personal attention in the hands-on part was particularly helpful. I will highly recommend the course to my partners and colleagues.”

Boris Larreta, M.D.
Foothill Cardiology
California Heart Medical Group
Burbank, California

“This was a superb course! The instructors are engaging and cover the majority of questions during presentations before they can be asked or thought of. Even still, they welcome and encourage questions. The use of audio visual aids and live cases are the best I’ve ever experienced and bring the didactic information into clinical application for the most effective educational experience and impressions. I will highly recommend this course to my colleagues and encourage the continuation of this great course.”

Allen McGrew, M.D.
Grandview Hospital
Dayton, Ohio

“An excellent course that exceeded my expectations! This course provided me with a sound evidence-based, hands-on experience with tips and tricks for radial access. I am ready to start incorporating this into my practice.”

Yazan J. Alderazi, M.D.
Rutgers University
New Jersey Medical School
Belleville, New Jersey
Course Description
This course will provide attendees with in-depth education and training on the fundamentals of the transradial access technique. Information will be imparted through hands-on anatomical review of the upper extremity vasculature and hands-on radial artery access practice using cadaveric specimens connected to a perfusion model that allows participants to locate the radial artery upon feeling for a palpable pulse. Once the artery is located, the perfusion model allows attendees to practice gaining proper vascular access, inserting wires and sheaths, and advancement techniques. In addition, attendees will participate in radial simulator training, direct observation of cases in the cath lab, breakout sessions and roundtable discussions. Live cases will be broadcast from the cath lab, and expert faculty will give case presentations and didactic lectures on epidemiology, pharmacology, technique and equipment.

Needs Statement
Transradial access (TRA) for angioplasty and PCI has become more popular around the world due to a lower risk of procedure-related bleeding and better patient comfort. Use of the radial artery for diagnostic and interventional procedures has been compared with the femoral and brachial approach in both clinical trials and observational studies and has consistently demonstrated statistically significant reductions in bleeding and access site complications. Radial artery access is now being used with equal efficacy to treat almost every complex coronary and peripheral artery disease. Clinical and economic factors are driving the increased interest in learning the transradial access technique in the United States; however, there are few educational opportunities available where attendees learn through hands-on training. This course fulfills the need for comprehensive, hands-on education.

Location/Directions/Parking
The Seattle Science Foundation is located on the sixth floor of the James Tower at Swedish Medical Center Cherry Hill. Parking is available in the garage on 16th Avenue between Cherry and Jefferson at a maximum fee of $16.50 per day. From I-5 (northbound and southbound), take the James Street exit. James will become Cherry Street. Travel east on Cherry Street to the intersection of Cherry and 16th Ave. Turn right (south) onto 16th Avenue. Turn right into the entrance of the parking garage.

Intended Audience
This symposium is intended for clinical and interventional cardiologists and fellows, as well as nurses, cath lab technologists and allied health professionals.

Course Objectives
At the conclusion of this course, the participant will provide better patient care through an increased ability to:

- Discuss the basic rationale for radial catheterization and PCI, evaluate the use of radial access in STEMI to improve outcomes and minimize the learning curve associated with transradial PCI
- Review anatomy related to the upper extremity vasculature and discuss anatomical challenges related to transradial access (TRA) such as spasms, loops and tortuosity
- Describe patient selection criteria and screening, including non-invasive evaluation of upper extremity arterial vasculature and clinical considerations for TRA
- Summarize cath lab set-up, patient preparation and role of cath lab staff
- Discuss selection of right or left TRA, review how to obtain radial artery access and explain sheath removal and access site management
- Identify pharmacological options and discuss strategies and rationale for anticoagulation during TRA, review updated guidelines for anticoagulation and antiplatelet therapies and identify the need for and benefits of newer anticoagulant therapies for the acute management of ACS and NSTEMI
- Explain the pre- and post-procedure management of patients undergoing TRA and discuss indications for same-day discharge after TRA
- Recognize and manage potential complications, including vasospasm, forearm hematoma and radial arteriography and discuss prevention of radial artery occlusion
- Describe technical aspects of PCI via the radial approach, including guide catheter options, catheter manipulation, treatment of left main disease, bifurcations, chronic total occlusions and other complex anatomy
- Review ultrasound guidance techniques for radial access, discuss the use of ultrasound in assessing the size of the radial artery and to detect anatomical anomalies, such as the dual-radial system and radial artery loops
- Demonstrate techniques for TRA for both left and right heart catheterizations

Accreditation with Commendation
Swedish Medical Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA PRA Category 1 Credits™
Swedish Medical Center designates this live activity for a maximum of 12.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Acknowledgments
This symposium is supported in part by educational grants in accordance with ACCME Standards. At the time of this printing, a complete listing of financial supporters was not available. Appropriate acknowledgment will be given to all supporters at the time of the symposium.
Agenda

**Friday, November 7, 2014**

7:30 a.m.  
Check-in and Continental Breakfast

8 a.m.  
Welcome and Introductions
John L. Petersen II, M.D., MHS
R. Jeffrey Westcott, M.D.

8:20 a.m.  
Overview of Transradial PCI
Sunil V. Rao, M.D.

8:50 a.m.  
Basic Access Technique and Considerations
R. Jeffrey Westcott, M.D.

9:25 a.m.  
Live Case Broadcast #1
John L. Petersen II, M.D., MHS

10:15 a.m.  
Break

10:30 a.m.  
Diagnostic Catheter Selection
Peter J. Casterella, M.D.

11 a.m.  
Nursing Care: Post-Procedure Management
Marie Arnone, R.N., MA, CCRN

11:20 a.m.  
Live Case Broadcast #2
John L. Petersen II, M.D., MHS

11:25 a.m.  
Lunch (provided)

12:45 p.m.  
Anatomical Challenges: Spasms, Loops, Tortuosity
John L. Petersen II, M.D., MHS

1:15 p.m.  
Right Heart Catheterization from the Upper Extremity
Sunil V. Rao, M.D.

1:40 p.m.  
Live Case Broadcast #3
R. Jeffrey Westcott, M.D.

2:25 p.m.  
Adjunctive Anticoagulation Management during Diagnostic Angiography and PCI
Peter J. Casterella, M.D.

3 p.m.  
Radial Access and Same-day Discharge
R. Jeffrey Westcott, M.D.

3:30 p.m.  
Break

3:45 p.m.  
Live Case Broadcast #4
R. Jeffrey Westcott, M.D.

4:30 p.m.  
Management of Complications
Sunil V. Rao, M.D.

5:15 p.m.  
Break

5:30 p.m.  
Breakout Sessions

**Saturday, November 8, 2014**

8:30 a.m.  
Check-in and Continental Breakfast

9 a.m.  
Review Workshop Format
John L. Petersen II, M.D., MHS
R. Jeffrey Westcott, M.D.

9:15 a.m.  
Setting-up the Cath Lab
Jeffrey Mercer, RCIS

9:45 a.m.  
Ultrasound-Guided Access
Steven L. Goldberg, M.D.

10:15 a.m.  
Hands-on Workshops
Attendees will have the opportunity to attend all workshops
- BioSkills Lab: Hands-on Radial Artery Practice
- Cath Lab Tour: Set-up, Patient Management and Role of Cath Lab Staff
- Hands-on Simulator Training
- Radial Artery Assessment and Closure

12:15 p.m.  
Lunch (provided)

12:45 p.m.  
Case Presentations
Steven L. Goldberg, M.D.
John L. Petersen II, M.D., MHS
Sunil V. Rao, M.D.
R. Jeffrey Westcott, M.D.

1:45 p.m.  
Adjourn

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**Course Directors and Planning Committee**

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Interventional Cardiologist
Medical Director
Cardiovascular Research
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**R. Jeffrey Westcott, M.D.**
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**Ming Zhang, M.D.**
Linda Sahlin
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**Faculty**

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Post-Operative Specialist

**Steven L. Goldberg, M.D.**
Director
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**Peter J. Casterella, M.D.**
Interventional Cardiologist
Executive Medical Director
Swedish Heart & Vascular Institute
Chief, Cardiovascular Services
Swedish Medical Center
Registration Information:
Preregistration is required as space is limited. Participants who register by the “Advance Registration” deadline will receive a confirmation postcard after Monday, October 27, 2014. Registrations will only be processed when accompanied by full payment.

Cancellation:
To receive a refund, notice of cancellation must be received no later than Friday, October 31, 2014.

If using the registration form, please mail or fax it to:
Continuing Medical Education
Swedish Medical Center
747 Broadway, Seattle, WA 98122
Fax: 206-320-7462

Please note: No registrations are accepted by phone or e-mail.
If you have special needs, please contact the CME office at 206-386-2755.

Registration Fees: The fee for this course includes catering, instruction and hands-on learning materials and a certificate of AMA PRA Category 1 Credits™.