



**ULTRASOUND  
UNIVERSITY**



#### **COURSE DESCRIPTION:**

Ultrasound-Guided Peripheral IV Access Course has been developed to train nurses, mid-level providers, and physicians in various clinical settings, to establish peripheral intravenous catheters under realtime ultrasound guidance, in patients with difficult access via the traditional approach. Course participants will have the opportunity of working closely with expert faculty including physicians and nurses, with extensive experience in the use of UGPIV access. The course follows evidence-based practice standards with emphasis on patient safety measures. The course will take place in the state-of-the-art Simulation Center at the Henry Ford Hospital, with a variety of ultrasound systems, and phantoms to help simulate the actual procedure.

#### **TERMINAL OBJECTIVE:**

1. To train nurses, mid-level providers, and physicians in the use of ultrasound for peripheral IV access in patients with traditionally difficult access
2. To develop basic ultrasound skills, including physics and knobology, to assist with image acquisition and interpretation

#### **PERFORMANCE OBJECTIVES:**

At the completion of this course, participants should be able to;

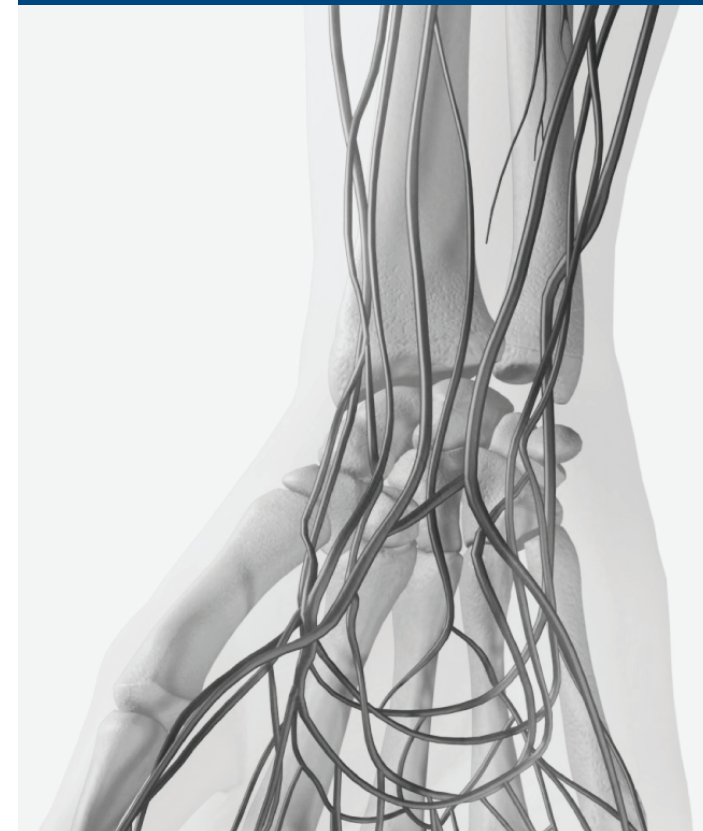
1. Name four groups of patients with potentially difficult IV access
2. Identify five areas on the arm where ultrasound can be used to obtain peripheral IV access
3. Demonstrate the ability to select the appropriate presets for a vascular ultrasound study
4. Demonstrate the ability to obtain ultrasound images of peripheral veins in the arm
5. Discuss three ways of differentiating an artery from a vein using ultrasound
6. Demonstrate the ability to access a peripheral vein in short and long axes using real-time ultrasound or direct visualization
7. Recognize the 'honeycomb' echo-signature of nerves in short axis using ultrasound
8. Recognize the ring-down artifact associated with the UGPIV procedure
9. Differentiate between the in-plane and out-of-plane techniques of needle insertion and visualization
10. Discuss two potential complications associated with the UGPIV access procedure

Henry Ford Hospital  
Dept. of Emergency Medicine CFP-2  
2799 W. Grand Blvd.  
Detroit, MI 48202



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## **ULTRASOUND-GUIDED PERIPHERAL IV ACCESS COURSE**



*Offered by Henry Ford Hospital*  
***henryford.com/ultrasounduniversity***

## BOARD MEMBERS

Scott Dulchavsky MD, PhD, Chairman Department of Surgery  
David Amponsah MD, Emergency Medicine  
Abigail Brackney MD, Emergency Medicine  
Julian Suszanski MD, Emergency Medicine

## COURSE DEVELOPER

David Amponsah MD  
Geraldine Muller RN, MSN, CEN, TCRN

## CORE FACULTY

David Amponsah MD, RDCS, Emergency Medicine  
Brett Babcock RN, Emergency Medicine  
Sudhir Baliga MD, RDMS, Emergency Medicine  
Abigail Brackney MD, Emergency Medicine  
Christopher Clark, MD Emergency Medicine  
Caroline Dowers, MD Emergency Medicine  
Tom Faryniarz RN, Emergency Medicine  
Raymond Fowkes MD, Emergency Medicine  
Ron Franco RN, Emergency Medicine  
John Joseph MD, Emergency Medicine  
Daniel Morris MD, Emergency Medicine  
Stephanie Stokes-Buzzelli MD, Emergency Medicine  
Julian Suszanski MD, Emergency Medicine

## TARGET AUDIENCE

The course is designed for nurses with at least 2 years' experience in IV placement and who are interested in learning venous access techniques using an ultrasound-guided approach.

## CANCELLATION

Cancellation by the student less than 1 week will result in the check being forfeited for the cost of retaining instructors for the course

## QUESTIONS

For more information, contact: Anne Marie Lundell, RN, [alundell@hfhs.org](mailto:alundell@hfhs.org) 313.913.8875 (H), 313.916.4935 (C)



## SCHEDULE

2:45pm -	Check-In/Late Registration
2:55pm -	Welcome
3:00pm -	Introductory Lecture <ul style="list-style-type: none"><li>- Literature Review</li><li>- Physics &amp; Knobology</li><li>- Anatomy Review</li><li>- Ultrasound Evaluation of Peripheral veins, arteries and nerves</li><li>- UGPIV Access Technique</li></ul>
3:45pm -	Break
3:50pm - 5:30pm -	Skills Stations <ul style="list-style-type: none"><li>Ultrasound System User Interface<ul style="list-style-type: none"><li>- Transducer Selection</li><li>- Image Acquisition Skills</li><li>- Short Axis Approach</li><li>- Long Axis Approach</li></ul></li></ul>
5:30pm-6:00pm -	Debriefing and Course Evaluation

**Location: Henry Ford Hospital  
Center for Simulation, Education and Research  
2799 West Grand Blvd. • Detroit, MI 48202  
Tel: (313) 916-6253**

## REGISTRATION

Registration link: [hfhs.cloud-cme.com/](https://hfhs.cloud-cme.com/)

1. Sign in using Corp button
2. Click on LIVE COURSES located on the top tab bar of the screen.
3. Click REGISTER button and input your Demographic Information.
4. Click Cost Center information and a form will populate. Please send to an educator for approval.
5. If the cost center information is not available, click credit card and close out. Do not enter any credit card information as you will still be registered.
6. If the course is not available on the web site the course is FULL.

**Registration Fees:** Ultrasound Guided Peripheral Iv Access Ultrasound Course  
Physicians: \$150  
Residents & Fellows: \$75  
Other Allied Health: \$75

**For registration inquiries, please contact Christina Miller:  
Continuing Medical Education Specialist  
Office: (313) 916-8354; Direct: (313) 916-2018; Fax: (313) 916-2018  
Email: [cmille26@hfhs.org](mailto:cmille26@hfhs.org)**



## ULTRASOUND UNIVERSITY

## HEARING IMPAIRED STATEMENT

Henry Ford Health System is committed to ensuring our guests who are deaf or hard-of-hearing have equal access to all the services provided by our facilities. We provide at no cost the auxiliary aids and services, including sign language interpreters, TTYs and other assistive listening devices for effective communications. To request assistance, contact Tina Miller, CME Specialist, at (313) 916-3906 or email [cmille26@HFHS.ORG](mailto:cmille26@HFHS.ORG)

Americans with Disabilities Act: Please advise Anne Marie Lundell, [alundell@hfhs.org](mailto:alundell@hfhs.org) if you require special materials or services. Notice must be received in writing two weeks before each course.

## FACULTY DISCLOSURE STATEMENT

In compliance with the ACCME standards for commercial support, all individuals in a position to control/influence the content of this activity are required to disclose relative financial interests of their own or spouse or partners with any commercial interest and/or non- FDA approved use of a drug or device that is included in the presentation.

## CREDITATION & DESIGNATION STATEMENT

Henry Ford Health System is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. Henry Ford Health System takes responsibility for the content, quality, and scientific integrity of this CME activity. Henry Ford Health System designates this activity for a maximum of 3.00 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## ACCOMMODATIONS

The Inn On Ferry Street, 84 East Ferry Street, Detroit, MI 48202  
Phone: 313.871.6000, Fax: 313.871.1473  
Email: [innonferrystreet.com](mailto:innonferrystreet.com).

**Double Tree Suites by Hilton (313) 424-1367.**

