HANDS-ON EDUCATIONAL SESSION

Jennifer A. Fraser, RN, FHRS
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Joined in 2001

William Cho, BSAC, CEPS, CCDS
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Joined in 2016
SESSION OVERVIEW

Wednesday, May 9 | 11 a.m. - 2 p.m.
Room 210 AB

The Hands-On Educational Session is a must-attend event for a complete curriculum. This session allows you the opportunity to supplement the Allied Professionals Forums with engaging, tactile training on industry’s latest technology and therapies. The case studies and topics discussed in Allied Professionals Forums will correlate directly to the products on display in the Hands-On Educational Session to create a comprehensive experience.

The Hands-On Educational Session offers allied professionals the opportunity to meet with industry representatives and have the opportunity for individual education on the latest technology and therapies in a less formal setting.

NEW! MEET THE AUTHORS

Meet the Authors are featured abstract presentations discussed at the Hands-On Educational Session. Research presented may be related to Hands-On demonstrations and AP curriculum. Light refreshments will also be provided to session attendees.

Chair: Cory M. Tschabrunn, PhD, CEPS. University of Pennsylvania, Philadelphia, PA

Noon – 12:15 p.m.

Lesion Size Assessed By Electroanatomical Mapping In Patients Undergoing Redo-af Ablation: Cryoablation Is Mostly Ostial And Not Antral

Angela M. Naperkowski RN, CEPS
Geisinger Heart Institute
Wilkes-Barre, PA

12:15 – 12:30 p.m.

Unconventional Use Of HIS Bundle Pacing For Biv Non-Responders

Ryan Zimberg, RN, CCRN
Rush University Medical Center
Chicago, IL

12:30 – 12:45 p.m.

Risk Stratification Prior To Lead Extraction Procedures

Annabelle Barnett, PA
University of Wisconsin
Madison, WI

Continuing Medical Education (CME) is not offered during the Hands-On Educational Session.
Table 1

**Confirm Rx™ ICM and MultiPoint™ Pacing**

The world’s first and only smartphone-compatible insertable cardiac monitor (ICM) that combines a quick and minimally invasive procedure with Bluetooth® wireless technology, allowing patients to connect using their own mobile device. By engaging patients in their own monitoring, the myMerlin™ mobile app allows clinic staff to focus attention on care and less on managing scheduling checks and transmissions. Data is proactively transmitted by the app per a schedule set by your clinic, thereby minimizing interruptions to your patients’ daily lives.

MultiPoint™ Pacing paired with the Quadra Allure MP™ CRT-P and the Quadra Assura MP™ CRT-D, provides options to activate next level therapy. MultiPoint™ pacing is capable of delivering two impulses from a single Quartet™ LV lead to tailor intraventricular conduction to the needs of the individual patient. MultiPoint™ Pacing is designed to deliver effective resynchronization, providing an option for patients undergoing Cardiac Resynchronization Therapy.

Table 2

**EnSite Precision™ Cardiac Mapping System and TactiCath™ Quartz Ablation Catheter**

The EnSite Precision™ cardiac mapping system offers next-generation technology that allows for a high level of automation, flexibility and precision to help you more effectively diagnose a wide range of arrhythmias. Hands-on simulation provides a learning experience through hands-on case simulation. The simulator allows you to interact one-on-one with Abbott EP technologies in various EP mapping case types. The simulator provides the learner an opportunity to take control of the catheter themselves in a virtual patient to:

- Create maps on the EnSite Precision™ cardiac mapping system
- Manipulate the Agilis™ NxT steerable sheath and diagnostic catheters
- Ablate with the TactiCath™ Quartz and FlexAbility™ ablation catheters

Accuracy Matters – come find out why!
Table 3

**ViewMate™ Ultrasound Console and ViewFlex™ Xtra ICE**

The ViewMate™ ultrasound console is designed for real-time image guidance and visualization of anatomical structures. The compact console delivers high-fidelity imaging to assist in complex EP and interventional procedures. The ViewFlex™ Xtra intracardiac echocardiography (ICE) catheter offers seamless maneuverability and pairs with the ViewMate™ ultrasound console for crisp, clear images. It features intuitive four-way directional control with auto-lock steering and an integrated catheter-connecting cable that eliminates the need to place a sterile sleeve during procedure setup.

**Reference—Table 1**


**References—Table 2**

*Greater precision based on improvement in accuracy of impedance model with magnetic field scaling applied via robot testing vs. EnSite Velocity v4.0.2.*


Table 4

**THERMOCOOL SMARTTOUCH® SF Catheter and The SMARTABLATE® System**

The THERMOCOOL SMARTTOUCH® SF Catheter and CARTO SMARTTOUCH™ Module technology provide a real-time measurement of contact force between the catheter tip and heart wall, as well as location information when used with CARTO®3 System Navigation. The Porous tip design of the THERMOCOOL SMARTTOUCH® SF Catheter enables maximum cooling efficiency regardless of catheter orientation or power delivered and is designed to achieve the level and duration of power necessary to optimize lesion creation.

Designed to ensure simple, intuitive, and user-friendly operations, with the flexibility to run all functions from the SMARTABLATE® Remote Control or the SMARTABLATE® Generator, the SMARTABLATE® System has been designed from customer needs to control and allow efficient ablation procedures.

Table 5

**CARTOSOUND® Module**

The CARTOSOUND® Module with SOUNDSTAR® Catheter is an ideal addition to the ablation workflow. This 3D ultrasound technology gives you all the benefits of traditional intracardiac echo while enabling full integration of the CARTO® 3 System.

Table 6

**CONFIDENSE™ Module with Ripple Mapping and PENTARAY® CATHETER**

The CONFIDENSE™ Module with Ripple Mapping seamlessly integrates with the CONFIDENSE™ Module capabilities and voltage mapping to provide a dynamic display of bipolar electrogram data in an electroanatomical map. This high-performance mapping is fully integrated into the CARTO®3 System. Ripple Mapping is designed to help you better understand the arrhythmia mechanism by displaying a global view while highlighting areas of interest.
CAR DiAC DEVICE EDUCATION AND SELF-ASSESSMENT COURSE
Get Online, Get Prepared, Get Certified!

This Online Course Includes 18 Information-Packed Modules Based on IBHRE’s Certified Cardiac Device Specialist (CCDS) Exam Blueprint.*

The self-paced online course offers a variety of study methods:

- Knowledge Checks to help gauge your learning;
- Post Assessments at the end of each module to evaluate your retention;
- A 100-question Course Post Assessment that can be taken multiple times;
- A comprehensive Glossary of Terms to reference; and
- High quality medical images and infographics to enhance your study experience.

This course is the ideal study tool for:

- Nurse Practitioners
- Physician Assistants
- Physicians
- Device Technicians
- Clinical Practitioners
- Manufacture Representatives

Want More Information? Email Us at info@ibhre.org

*Completing this online course does not guarantee successful completion of the CCDS exam. The course does not cover all topics included in the CCDS Exam Blueprint.
Heart Rhythm Society is the only organization that brings together the world’s leading clinicians, scientists, and allied health professionals to help end death and suffering from heart rhythm disorders. Membership includes:

- Significant discounts for Scientific Sessions, Board Review Course, and online education
- The latest research from HeartRhythm and Case Reports journals
- Networking and volunteer opportunities
- Updates on clinical documents and guidelines

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JOIN YOUR COLLEAGUES AS AN HRS MEMBER

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- Updates on clinical documents and guidelines

Samuel J. Asirvatham, MD, FHRS
Rochester, MN, USA | Joined in 2002

BECOME A MEMBER TODAY
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The nOH Virtual Reality (VR) Experience

Orthostatic hypotension caused by autonomic dysfunction – also known as neurogenic orthostatic hypotension (nOH) – is a potentially disabling, rare condition. Clinicians from a variety of specialties should be well-informed about the burden of potential symptoms, as well as the screening, diagnostic, and management considerations for a patient presenting with nOH.

The nOH VR Experience during the HRS Hands-On Educational Session will provide clinicians with the opportunity to become more familiar with nOH and the associated symptoms, which can include dizziness, lightheadedness, impaired vision, and pre-syncpe. A VR simulation of some of the visual symptoms of nOH will allow healthcare practitioners to better understand the patient’s perspective. There will be five components to the nOH VR Experience, which include the following:

An Overview of nOH

Using interactive, large-format touchscreens, healthcare practitioners can acquire background information about nOH, including definitions, epidemiology, and associated symptoms.

VR nOH Simulation

An expert cardiologist will provide a video introduction (viewed through the VR goggles) to the VR nOH Simulation. The VR nOH Simulation delivers, from the patient’s viewpoint, a visual augmented VR experience of some of the symptoms of nOH during a pre-syncopal episode.

Screening, Diagnostic, and Management Considerations for nOH

Using interactive, large-format touchscreens that allow participants to view and interact with the content, healthcare practitioners can learn more about the screening, diagnostic, and management considerations for nOH. Once a diagnosis of nOH is made, the goal of management should be to reduce the burden of symptoms. The interactive content will cover management strategies, as well as ways in which you might measure symptom improvement in patients with nOH.

Symptoms of nOH: What It Means to Your Patients and Their Caregivers

Video vignettes of testimonials from actual patients and their caregivers will aid healthcare practitioners in understanding the daily burden and challenges faced when dealing with the symptoms of nOH.

Test Your Knowledge About nOH: A Case-based Challenge

Using interactive, large-format touchscreens, healthcare practitioners will be invited to test their knowledge of nOH. An interactive patient case challenge will provide attendees an opportunity to apply the learnings from the other nOH VR Experience “stations.”
Table 12

**PhotonBlade™**

PhotonBlade is a multifunctional tool – the world’s first dynamic precision illuminator with enhanced energy. It delivers dynamic illumination within ~2 cm of the electrode tip, with best-in-class enhanced energy that features low thermal spread, wet field use, and access to the wide range of power modes and settings on full-featured generators. Furthermore, PhotonBlade is compatible with any 510(k) ESU generator located in the lab today – it requires no proprietary capital purchase.

PhotonBlade is 510(k) cleared by the FDA. After a full year of commercial launch, it has been used in over 500 hospitals and surgical centers.

Table 13

**Zio by iRhythm**

Zio XT is an ambulatory cardiac monitoring system that captures uninterrupted ECG data over 3 to 14 days of continuous wear. Comprehensive reporting of uninterrupted data helps doctors diagnose with certainty after a single test. Zio is easy to wear and requires minimal attention from the patient, enabling high compliance and reliable data capture. www.irhythmtech.com
I'M AFRAID TO FAINT AGAIN

Look carefully. This may be the face of neurogenic orthostatic hypotension (nOH).

Be sure to differentiate the various types of orthostatic hypotension.

Visit NOHtheDifference.com