

Outline

Electrocardiogram and Electrophysiology

- What you must know when looking at a 12-lead ECG
- When medications do not work – now what?
- Six red flags which indicate greater testing is required

Laboratory Blood and Urine Tests

- Troponins
- B-type natriuretic peptide
- D-dimer
- Electrolytes
- Thyroid function
- Lipid panel
- Arterial blood gas interpretation
- Urine for catecholamines and protein

Genetic Testing for Cardiac Conditions – Often Overlooked

- Inherited cardiac genetic tests for arrhythmias, pulmonary hypertension, familial hypercholesterolemia & more
- Risk stratification of the cardiac condition for potential parents
- What are the therapeutic options based on genetic test?

Echocardiography is THE Test You Must Know

- When to order an ECHO – what does this really tell the practitioner?
- Five steps to ECHO cardiogram interpretation
- The ECHO colors tell you so much
- What do ECHO bubble studies inform us about the heart

Radiology: An Assessment and Intervention for the Cardiac Patient

- Chest radiograph – what do you need to look for in your cardiac patient?
- Computerized tomography
- Magnet resonance imaging of the heart

- Cardiac angiography – it is more than just vessels
- Positron emission tomography – what will this test tell you?

Interventional Cardiology

- Cardiac catheterization – clarity of blood flow
- Balloon angioplasty and stent placement – difference in the type of stents?
- Cardioversion and ablation – patient selection criteria is vital
- MAZE procedure
- Cardiac stress testing – the dos and don'ts
- Mechanical thrombectomy – patient assessment pre- and post-procedure
- Valvular treatments: transcatheter aortic valve replacement, balloon valvuloplasty and open-heart surgery

Life-Saving Cardiac Therapeutics

- Intra-aortic balloon pump considerations
- Ventricular assist device - not just for the ICU patient anymore
- Extracorporeal membrane oxygenation – selecting between the three types
- Impella Heart Pump: indications, contraindications and monitoring
- Pacemaker and implantable cardiac defibrillator cardioverter; some ICD are MRI compatible (PROMENADE study)

Learning Objectives can be viewed at pesihc.com/webcast/87869

Live Webinar Schedule (Times listed in Central) Both days

8:00 Program begins

11:50-1:00 Lunch Break

4:00 Program ends

There will be two 15-min breaks (mid-morning & mid-afternoon).
Actual lunch and break start times are at the discretion of the speaker.
A more detailed schedule is available upon request.

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Cardiac Interventions and Diagnostics

Interpret Tests with Skill and Confidence for your Cardiac Patients

Live Interactive Webinar

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2-DAY

Cardiac Interventions and Diagnostics

Interpret Tests with Skill and Confidence for your Cardiac Patients



Featuring

Dr. Paul Langlois, APN, PhD, CCRN, CCNS,
a critical care clinical specialist in the Surgical, Medical, Neurologic, Burn, CCU and Trauma ICUs of Cook County Hospital, Chicago

- Red flags that **intensive cardiac testing is required**
- **Radiology options** as an assessment AND intervention
- Implications of **overlooked genetic cardiac tests**
- **Lifesaving cardiac therapeutics** – including the PROMENADE study
- Up to date **guidelines for cardiac interventions**
- The **impact of common medications** on cardiac testing

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2-Day Cardiac Interventions and Diagnostics

Nurse practitioners, nurses, physician assistants and even physicians have told me that they are **apprehensive to prescribe, administer or send a patient for a cardiac intervention or diagnostic test due to a lack of confidence and up-to-date knowledge**. I understand the challenge...as there is a lot to understand when making these critical patient decisions.

I'm **Dr. Paul Langlois, APN, PhD, CCRN, CCNS**, a critical care clinical specialist in the surgical, medical, neurologic, burn, CCU and trauma ICUs of Cook County Hospital, Chicago. Throughout my career I have assisted countless healthcare providers **overcome fears associated with ordering and interpreting cardiac tests**. If a test or intervention were ordered inadvertently, we may not get the information we need to make informed decisions or worse....**we could cause potentially dire patient consequences**.

During this comprehensive training event, you can expect to learn:

- Red flags that **intensive cardiac testing is required**
- **Radiology options** as an assessment AND intervention
- Implications of **overlooked genetic cardiac tests**
- **Lifesaving cardiac therapeutics** – including the PROMeNADe study
- Up to date **guidelines for cardiac interventions**
- The **impact of common medications** on cardiac testing

But that's not all! I will be **sharing some of my unforgettable, real-world case studies** after each major section to reinforce your learning. Together we will evaluate laboratory data, ECG results, ECHO cardiograms, physical assessment findings and clinical pearls to interpret the diagnostic interventions. The only thing that is missing during this event is the antiseptic smell of the hospital... Join me!

Dr. Paul Langlois, APN, PhD, CCRN, CCNS

Meet Your Speaker



Dr. Paul Langlois, APN, PhD, CCRN, CCNS, is a critical care clinical specialist in the surgical, medical, neurologic, burn, CCU and trauma ICUs of Cook County Hospital, Chicago. Drawing on over 30 years of experience assessing and managing patients with life-threatening diseases, Dr. Langlois provides advanced-level training to nurses, pharmacists, physician assistants, nurse practitioners and physicians.

Dr. Langlois is committed to providing the highest quality of care to patients through advanced education. His presentations are evidence-based, timely and provide participants with case studies to facilitate critical thinking. As a bedside clinical nurse specialist, he has developed several institution-wide protocols for the multidisciplinary assessment and management of the cardiac, neurologic, septic, and multi-system organ failure patient.

Dr. Langlois has presented international lectures on cardiac interventions and test interpretation. His presentations are enthusiastically delivered and offer practical tips that help make the most challenging concepts easy to understand. Linking new knowledge to your own care of patients in clinical practice is his goal.

Speaker Disclosure:

Financial: Paul Langlois has employment relationships with Cook County Hospital and Emergency Care Consultants. He receives a speaking honorarium and recording royalties from PESI, Inc. He has no relevant financial relationships with ineligible organizations.

Non-financial: Paul Langlois is a member of the American Nurses Association and the American Association of Critical Care Nurses.

Target Audience:

Nurse Practitioners, Physician Assistants, Clinical Nurse Specialists, Nurses, Interventional Cardiac Technologists, Stress Test Technicians, Exercise Physiologists, Physicians



Here's What Your Colleagues Are Saying About Dr. Paul Langlois!

"Excellent presenter, extremely knowledgeable, patient with questions, personable and pleasant. Easy to listen to. Excellent explanation of recent research studies."

– Amy, Nurse

"Very good content current and learned more than I thought even after 16 years as ARNP."

– Deana, Nurse Practitioner

"I thoroughly enjoyed his presentation, and I truly learned a lot. He broke things down to make it easy to understand."

– Claire, Nurse

"I could tell a lot of hard work went in to preparing for this presentation. It was very thorough, and the presenter did a wonderful job. Appreciate his sharing."

– Cerrise, Nurse Practitioner



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