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<td>Preload, Afterload &amp; Contractility</td>
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<td>Manipulating the Equation to Stabilize Advanced Cardiac Assessment: Critical Clues You Should NEVER Miss!</td>
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<td>Know your Landmarks!</td>
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<td>Murmurs, Rubs and Clicks</td>
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<td>Assessing Chest Pain!</td>
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<td>Management of Life-Threatening Conditions: Physical Assessment Findings</td>
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<td>Understanding Ejection Fraction</td>
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<td>Medication Management</td>
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<td><strong>Electronic Support of the Heart</strong></td>
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<td>Indications &amp; Contraindications</td>
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<td>Trouble-Shooting Techniques</td>
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<td><strong>Management of Life-Threatening Conditions:</strong></td>
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<td>STEMI &amp; NSTEMI – What’s the Difference?</td>
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<td><strong>ABG Analysis Made Easy</strong></td>
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<td>Abnormal ABGs: What is Happening &amp; Why?</td>
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<td>Acid/Base Imbalance</td>
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<td>Associated Signs &amp; Symptoms</td>
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<td><strong>Questions?</strong></td>
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<td>Critical Interventions that Improve Outcomes</td>
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**2-DAY CRITICAL CARE SKILLS BOOT CAMP**

**DAY 2**

- Care of the Neuro Patient
- Quick Assessment Techniques
- Traumatic Brain Injury
- Elevated ICP Monitoring
- Interpreting Ventricular Waveforms
- Ischemic & Hemorrhagic Stroke
- Critical Labs
- TPA Dos & Don’ts
- Controlling Blood Pressure
- **Mechanical Ventilation for Nurses**
- Intubation Criteria
- Modes of Ventilation
- Patient Management
- Avoiding Ventilator Acquired Pneumonia
- Management of the Patient in Shock
- Differentiating the Type of Shock
- Cardiogenic
- Distributive
- Obstructive
- Hypovolemic
- Fluid Resuscitation
- Which Fluid
- How Much & How Quickly
- SIRS, Sepsis, Septic Shock
- New Guidelines
- Antibiotics: When & Which One
- Multiple Organ Dysfunction Syndrome (MODS)
- Oxygenation
- Oxyhemoglobin Curve
- Vasopressors
- How They Work
- When to Use Them
- Blood Products
- PRBCs
- FFP
- Complications
- Managing DIC
- ECMO
- Acute Kidney Injury
- Critical Labs
- Indications for Dialysis
- Continuous Renal Replacement Therapy

**Get the Latest Clinical Information On:**
- Crisis Management
- ABG Analysis
- Rhythm Interpretation in 5 Easy Steps
- Mechanical Ventilation
- Critical Interventions that Improve Outcomes
- And Much More!

- **RALEIGH, NC**
  - Monday & Tuesday
  - September 19 & 20, 2016

- **COLUMBIA, SC**
  - Wednesday & Thursday
  - September 21 & 22, 2016

**Questions?**
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Dr. Paul Langlois, APN, PhD, CCRN, CCNS, CNRN, is a critical care clinical specialist in the Surgical, Medical, Neuro, CCU and Trauma ICUs of Cook County Hospital, Chicago. Drawing on over 30 years of experience assessing and assisting devices, renal replacement therapy, and neurological alterations after trauma. His education. His presentations are evidence-based, timely and provide participants with most challenging concepts easy to understand. Linking knowledge to practice is the goal of Dr. Langlois. Paul is committed to providing the highest quality of care to patients through advanced education. His presentations are evidence-based, timely and provide participants with most challenging concepts easy to understand. Linking knowledge to practice is the goal of Dr. Langlois.

**Objective**

1. Describe the basic electrophysiology of the heart: Electrical versus muscular function.
2. Define hemodynamic principles in the body.
3. Discuss the difference between preload, contractility and afterload as components impacting cardiac output.
4. Interpret ischemia, injury, and infarction with an understanding of a 12-lead EKG.
5. Summarize the difference between failure to capture and failure to sense in a pacemaker and how each is resolved. Identify the difference between STEMI and NSTEMI.
6. Recognize the most common causes of arterial blood gas abnormalities.

**Speaker**

**DR. PAUL LANGLOIS, APN, PhD, CCRN, CCNS, CNRN**, is a critical care clinical specialist in the Surgical, Medical, Neuro, CCU and Trauma ICUs of Cook County Hospital, Chicago. Drawing on over 30 years of experience assessing and assisting devices, renal replacement therapy, and neurological alterations after trauma. His presentations are evidence-based, timely and provide participants with most challenging concepts easy to understand. Linking knowledge to practice is the goal of Dr. Langlois. Paul is committed to providing the highest quality of care to patients through advanced education. His presentations are evidence-based, timely and provide participants with most challenging concepts easy to understand. Linking knowledge to practice is the goal of Dr. Langlois.

**Target Audience**

Nurses • Nurse Practitioners • Clinical Nurse Specialists

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