Outline

DAY 1

Heart Failure
Understanding Electrical & Mechanical Functions of the Heart
Hemodynamic Function
Cardiac Output
Preload, Afterload & Contractility
Manipulating the Equation to Stabilize
Advanced Cardiac Assessment: Critical Clues You Should NEVER Miss!
Know your Landmarks!
Murmurs, Rubs and Clicks
Assessing Chest Pain!
Management of Life-Threatening Conditions
Physical Assessment Findings
Understanding Ejection Fraction
Medication Management
4 Classes of Diuretics
3 Inotropic Agents
Electronic Support of the Heart
Pacemakers & AICDs
Ventricular Assist Devices (VAD)
Indications & Contraindications
Trouble-Shooting Techniques
Myocardial Infarction
STEMI & NSTEMI – What’s the Difference?
Critical Labs
Beyond MONA
Life-Threatening EKG Changes
Clues from the 12-Lead
Inferior, Lateral & Anterior Wall MI
How to Identify Axis Deviation
Differentiating LBBB from RBBB
ABG Analysis Made Easy
Tools for Rapid Identification
Abnormal ABGs: What is Happening & Why?
Acid/Base Imbalance
Compensation
Associated Signs & Symptoms

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Your satisfaction is our goal — and our guarantee!
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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
Pump Management
Avoiding Ventilator Acquired Pneumonia
Management of the Patient in Shock
Differentiating the Type of Shock
Cardiogenic
Distributive
Obstructive
Hypovolemic
Shock
How Much & How Quickly
SIRS, Sepsis, Septic Shock
New Guidelines
Antibiotics: When & Which One
Multiple Organ Dysfunction Syndromes (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

Can’t Miss Topics!

Crisis Management
ABG Analysis
Rhythm Interpretation
Mechanical Ventilation
Critical Interventions that Improve Outcomes
And Much More!

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Clinical Nursing Assessment Skills Pocket Guide
By Cyndi Zarbano, RN, BSN, CCNR, CCRN, CLNC, NLCP
This full-color pocket guide provides quick access to essential reference information on neurological, cardiac, and pulmonary assessments. Packed with illustrated descriptions. (2013)

Heart and Lung Sounds, 2nd Edition (DVD)
By Cyndi Zarbano, RN, BSN, CCNR, CCRN, CLNC, NLCP
Achieving excellence in the care we give is a goal for every healthcare provider. In order to do so, we must ensure that we have the tools to allow critical thinking to occur. One of the most fundamental tools for success in the medical arena is to have an understanding of the clues we find in our assessments. Cyndi Zarbano discusses pearls of wisdom for excellent assessment skills and be able to explain the why, what, when, and where’s of heart and lung sounds. (2016)

Laboratory Tests Made Easy: A Plain English Approach, Second Edition
By Mikael Rothenberg, MD & Sean G. Smith, BSN, CCRN
This best-selling reference book provides both the “need to know” information, as well as the more in-depth “need to see” details relevant to your patient’s lab results. In this Second Edition you will find the English language made easy to understand, and easy to read diagrams and tables. Thickly revised and updated book puts the information right at the fingertips of any medical professional at any experience level. This updated edition of the beloved laboratory test guide is revised and updated by Mikael Rothenberg, MD. (2014)

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 managing patients with life-threatening conditions, Dr. Langlois provides advanced-level training to nurses, physician assistants, and nurse practitioners and physicians.

Paul is committed to providing the highest quality of care to patients through advanced education. His presentations are evidence-based, timely and relevant with participants able to study at their own pace to facilitate understanding. As a bedside clinical nurse specialist, Paul has developed several critical care and infection control institution-wide protocols for multidisciplinary assessment and management of the cardiac and septic patient. His cardiac protocols include: weaning from mechanical ventilation, pulmonary artery catheter and hemodynamic monitoring, vasoactive medications, ventricular assist devices, renal replacement therapy, and failure to capture and failure to sense in a pacemaker.

Dr. Langlois has developed and implemented several critical care and infection control institution-wide protocols for multidisciplinary assessment and management of the cardiac and septic patient. Dr. Langlois' cardiac protocols include: weaning from mechanical ventilation, pulmonary artery catheter and hemodynamic monitoring, vasoactive medications, ventricular assist devices, renal replacement therapy, and failure to capture and failure to sense in a pacemaker.

Financial: Paul Langlois has an employment relationship with Cook County Hospital. He receives a speaking honorarium.

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Speaker Disclosures:
Several critical care and infection control institution-wide protocols for multidisciplinary assessment and management of the cardiac and septic patient. Dr. Langlois' cardiac protocols include: weaning from mechanical ventilation, pulmonary artery catheter and hemodynamic monitoring, vasoactive medications, ventricular assist devices, renal replacement therapy, and failure to capture and failure to sense in a pacemaker. (2016)

4. Interpret ischemia, injury, and infarction
5. Identify the blood product of choice for Disseminated Intravascular Coagulopathy (DIC)
6. Contrast the difference between failure to capture and failure to sense in a pacemaker and how each is resolved.
7. Identify the difference between STEMI and NSTEMI.
8. Differentiate between hypotonic, isotonic and hypertonic IV fluids and when each is considered most effective.
9. Identify the blood product of choice for Disseminated Intravascular Coagulopathy (DIC)

Objectives:
1. Describe the basic electrophysiology of the heart: Electrical versus mechanical 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 patterns on a 12-lead EKG.
5. Summarize the difference between failure to capture and failure to sense in a pacemaker and how each is resolved.
6. Identify the difference between STEMI and NSTEMI.
7. Recognize the most common causes of arterial blood gas abnormalities.

Target Audience: Nurses • Nurse Practitioners • Clinical Nurse Specialists

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LIVE SEMINAR

Live Seminar Continuing Education Information

By Mikel Rothenberg, MD & Sean G. Smith, BSN, CCRN

Seminar Schedule (both days)

7:30 Registration/Opening Coffee & Tea
8:00 Program begins
11:00-12:00 Lunch (on your own)
12:00-1:00 Break
4:00 Program ends

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