In this second edition you will find plain English summaries, “nice to know” details relevant to your patient’s lab results. This best-selling reference book provides both the “need to know” information, as well as the “nice to know” details relevant to your patient’s lab results. In this second edition you will find plain English summaries, pertinent case studies, and easy to read diagrams and tables.

**OUTLINE**

**Basic Metabolic Profile (BMP)**
- Glucose
- Acid Base
- Renal Function
- Electrolytes
- Life-Threatening Electrolytes
  - Potassium
  - Magnesium
  - Sodium
  - Calcium

**Comprehensive Metabolic Panel:**
- Indications and Implications
- LFTs: Exploring the Liver
  - AST/ALT/ALP/Total Bilirubin/Proteins
- Health Issues in Liver Failure
  - Jaundice
  - Ascites
- hepatitis
- Encephalopathy

**CBC with Differential:**
- Interpreting the Differential
  - Neutrophils
  - WBCs
- Anemias/Polycythemias
- Finding

**Comprehensive Cardiac Panels:**
- Distinguishing STEMI vs. NSTEMI
- EKG Clues Supporting the Findings
- Cardiac Panels
  - FENA
  - Pro-BNP
  - BNP
  - NT-proBNP
- Infarction
  - FENA
  - BNP
  - NT-proBNP
- Acute Renal Failure: Identify the Cause
  - Creatinine
  - BUN
  - BUN/Cr ratios
  - Glomerular Filtration Rate
  - Urine Osmolality
  - FENA

**Cardiac Labs:**
- Ischemia vs. Myocardial Infarction
- EKG Clues Supporting the Findings
  - Distinguishing STEMI vs. NSTEMI
- BNP
- Pro-BNP

**Coagulation/Thrombotic Risk Panels:**
- Clues to Clotting
  - The Clotting Cascade
  - Right Lab Test for the Medication
  - aPTT
  - PT
  - INR
  - D-dimer
  - Disseminated Intra-vascular Coagulopathy
- Urinalysis: Does Your Patient Have a UTI?
  - Latest Guidelines
  - Culture
  - Blood Gases: Identifying the Underlying Abnormality
  - Venous Blood Gases
  - Mixed Venous Blood Gases
  - Labs and Sepsis: Taking a Team Approach
  - Cultures, Gram Stains and Sensitivities
  - Systemic Inflammation of Sepsis:
    - Lactate Levels
    - Procalcitonin Levels
    - WBCs
    - Neutrophils
- Lumbar Punctures / Cerebral Spinal Fluid
  - Bacterial Meningitis
  - Viral Meningitis
  - Understanding Thyroid Dysfunction
  - TSH
  - T4 Levels
  - T3 Uptake
  - Differentiating Hyperglycemic States
  - ORA
    - HHS (HHNK)
  - Treatment for Each

**Lab and EKG Clues to Differentiate ACS and MI**
- Mastering Lab Interpretation
- The Implications for Patient Care
- Understanding the Differential: Including “Shift to the Left”
  - Identifying Types of Acute Kidney Failure from the Labs
  - Life-Threatening Electrolyte Imbalances and Interventions
  - Master ABG Interpretation Using a Simple Tool
  - Reading Cultures and Sensitivities
  - Lab and EKG Clues to Differentiate ACS and MI

**Labs of Sepsis**
- Systematic Inflammation
  - Lactate/Procalcitonin Levels
  - Life-Threatening Electrolyte Imbalances and Interventions
  - Mastering ABG Interpretation Using a Simple Tool
  - Understanding the Differential: Including “Shift to the Left”
  - Identifying Types of Acute Kidney Failure from the Labs
  - Life-Threatening Electrolyte Imbalances and Interventions
  - Master ABG Interpretation Using a Simple Tool
  - Reading Cultures and Sensitivities
  - Lab and EKG Clues to Differentiate ACS and MI

**Diagnostic Clues**
- The Right Lab Test for the Medication
  - Coagulation/Thrombotic Risk Panels
  - Clues to Clotting
  - The Clotting Cascade
  - Right Lab Test for the Medication
  - aPTT
  - PT
  - INR
  - D-dimer
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    - HHS (HHNK)
  - Treatment for Each

**Clinical Nursing Assessment Skills Pocket Guide**
- Clinical Nursing Assessment
- Skills Pocket Guide
- By Cyndi Zarbano, MSN, BSN, CCRN, CMSRN, CLNC, NLCP
- This full-color pocket guide provides portable, quick access to essential reference information on neurologic, cardiac and pulmonary assessments. Filled with descriptive images. (2016)
OBJECTIVES
1. Evaluate the results of Coagulation Studies (PT/INR and PTT).
2. Analyze a Complete Blood Count with Differential and discuss clinical applications (Anemias, Left Shifts, Infections, etc.).
3. Recognize the implications of metabolic panels.
4. Distinguish between life-threatening electrolyte imbalances, as well as potential causes and remedies.
5. Predict renal function based on BUN, Creatinine, BUN/CR ratio, and GFR.
6. Interpret cardiac panel results in a suspected acute myocardial infarction.
7. Analyze blood glus and pertinent clinical indications.
8. Differentiate between bacterial meningitis and viral meningitis based on lumbar puncture findings.
9. Recognize the key clinical indicators and implications for infection on a urinalysis.

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SPEAKER
Sean G. Smith, RN, BSN, NREMT-P, C-NPT, CCRN, CM, CEN, CFRN, FP-C, CEN
has experience in both critical care and emergency care. He has written neo-natal/pediatric pharmacology CE exams for the American Association of Critical Care Nurses, as well as writing for Mosby’s current clinical updates. He has practiced and taught critical care/emergency care and pre-hospital emergency medical services for over 12 years. Career highlights include research in molecular endocrinology, serving in the US Navy, a wide variety of ICUs, flight nursing, and medical missions, as well as offering medical support to NASA. Sean has the national level and has extensive text review/exam writing/contributing author credits. He holds multiple advanced specialty certifications in critical care, emergency, and flight nursing, as well as cardiac nursing, and neonatal/pediatric critical care.

Sean is a dedicated and respected educator serving as an official Instructor for Neonatal Resuscitation Program (NRP), Basic Life Support (BLS-RF), Pediatric Advanced Life Support (PALS-RF), Advanced Cardiac Life Support (ACLS-RF), Tactical Combat Casualty Course (TCCC), Geriatric Education for Emergency Medical Services (GEMS), Fundamentals of Critical Care Support (FCCS), and Pediatric Fundamentals of Critical Care Support (PFCCS-IC).

Speaker Disclosures: Financial Sean G. Smith receives a speaking honorarium from PESI, Inc.

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