

Outline

Getting the Most Out of the CBC

Identifying the Cause of Abnormal Findings
 Understanding the Significance of LFTs
 The Left Shift Explained
 Transfusions and Unplanned Complications

Beyond the "Basics" of the BMP

When "Normal" Doesn't Represent Homeostasis
 Important Implications for Patient Management
 Anticipated EKG Changes
 When to Watch and When to Treat

Liver Labs and Coagulation Complications

CMP: Indications and Implications
 Master the Clotting Cascade
 Recognizing Life-threatening Complications
 Current Treatment Strategies
 The Right Lab Test for the Medication
 Managing DIC

Cardiac Labs: Time is Muscle!

Integrating Findings into the Comprehensive Cardiac Assessment
 Oxygenation, Ventilation, Acid-Base Status and More
 Patient Monitoring Guidelines
 Optimizing Therapy

Preventing Endocrine Emergencies

Responding to Critical Lab Findings
 Preventing Complications
 The Dangers of Insulin Replacement
 Patient Safety Considerations

ABGs: Identifying the Underlying Abnormality

Interpretation: It's Easier Than You Think!
 Treatment Strategies for Acidosis and Alkalosis
 Understanding the Body's Compensatory Efforts

Preventing & Treating Infections

Early Signs of Sepsis and Septic Shock
 Protocols: What Works and What's Next
 Lumbar Puncture Indications

Identifying the Cause of Acute Renal Failure

Critical Values: Creatinine, BUN, GFR
 Putting It All Together
 First Line Interventions

Live Seminar Schedule

7:30 Registration/Morning Coffee & Tea
8:00 Program begins
11:50-1:00 Lunch (*on your own*)
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.

For locations and maps, go to www.pesihealthcare.com, find your event, and click on the seminar title.

Seminar on DVD or CD Package:

You can purchase a self-study package on the subject. You will receive a set of CDs or DVDs that include a digital copy of the seminar manual and post-test/evaluation. You and your colleagues can receive CE hours for a nominal fee. To determine if homestudy credits are available for your profession go to www.pesihealthcare.com or call 800-844-8260. Check with your licensing board to verify acceptance of self-study credits for license renewal. Order today by using the order form on this brochure or by calling 800-844-8260.

QUESTIONS? Call Customer Service: 800-844-8260.

CANCELLATION POLICY: If you contact us before the event date, you can exchange for a DVD or CD/digital manual package on the subject (self-study continuing education credit may be available), a certificate to attend another seminar, or receive a tuition refund less a \$30 cancel fee. Substitutions are permitted at any time.



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Mastering Lab Interpretation

Deciphering the Hidden Clues

ELLCOTT CITY, MD
 Tuesday, September 17, 2019

SILVER SPRING, MD
 Wednesday, September 18, 2019

FAIRFAX, VA
 Thursday, September 19, 2019



Mastering Lab Interpretation

Deciphering the Hidden Clues



ABG Interpretation Made Easy
 Interventions for Life-Threatening Electrolyte Imbalances
 Understanding the "Shift to the Left"
 Early Signs of Sepsis and Septic Shock
 Liver Labs and Coagulation Complications
 Preventing Endocrine Emergencies
 And Much More...

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Mastering Lab Interpretation

The lab work you have been patiently waiting for comes back normal...yet you know something just isn't right! Do you know how to decipher the hidden clues and prepare for possible complications? Do you wish you had more confidence in your interpretation skills?

Look beyond the numbers and finally understand what the values mean. Master lab interpretation with this cutting-edge program that will provide you with in-depth knowledge of the full spectrum of lab tests used today. Learn the hidden clues of labs, understand why they are ordered, discern the pathophysiology behind abnormal values, and anticipate the types of symptoms your patient will show as the values deteriorate or improve. Sign up today and gain the confidence you need to manage the next patient emergency.

Speaker

Sean G. Smith, C-EFM, C-NPT, FP-C, TP-C, RNC-NIC, CEN, CFRN, CPEN, CCRN-CMC (Adult), CCRN-K (Neonatal), CCRN-K (Pediatric), is a flight nurse-paramedic who has practiced in Emergency Medicine, Critical Care, and Aero-Medical Transport (military and civilian). He holds degrees in nursing and molecular biology, is a graduate of Duke University's Legal Nurse Consulting program, and is currently pursuing a master's degree through the University of Florida College of Pharmacy.

Career highlights include numerous author/co-author credits, including: a best-selling Laboratory Medicine textbook, a chapter on Shock in Trauma Nursing Core Curriculum, and a section in the newly-released Resuscitation Crisis Manual. Sean consults on clinical, legal and certification prep for numerous high-profile hospital systems, including Yale and Mayo. He routinely lectures at national/international healthcare conferences, has completed 50+ medical missions, and provides medical support to the NASA Space Shuttle Program.

Speaker Disclosures:

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

Non-financial: Sean G. Smith has no relevant non-financial relationships to disclose.

Target Audience: Nurses • Nurse Practitioners • Clinical Nurse Specialists • Physician Assistants
Physical Therapists • Physicians • Occupational Therapists

Have a seminar idea? A manuscript to publish?

The nation's top speakers and authors contact PESI HealthCare first. If you are interested in becoming a speaker, or have a new topic idea, please contact Missy Cork at mcork@pesi.com or call (715) 855-6366.

Objectives

1. Evaluate the results of Coagulation Studies (PT/INT and PTT).
2. Analyze a Complete Blood Count with Differential and discuss clinical applications (Anemias, Left Shifts, Infections, etc.).
3. Recognize the clinical 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 gases and pertinent clinical implications.
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.

Live Seminar Continuing Education Credit Information

Credits listed below are for full attendance at the live event only. After attendance has been verified, pre-registered attendees will receive an email from PESI Customer Service with the subject line, "Evaluation and Certificate" within one week. This email will contain a link to complete the seminar evaluation and allow attendees to print, email or download a certificate of completion if in full attendance. For those in partial attendance (arrived late or left early), a letter of attendance is available through that link and an adjusted certificate of completion reflecting partial credit will be issued within 30 days (if your board allows). Please see "LIVE SEMINAR SCHEDULE" on this brochure for full attendance start and end times. NOTE: Boards do not allow credit for breaks or lunch.

If your profession is not listed, please contact your licensing board to determine your continuing education requirements and check for reciprocal approval. For other credit inquiries not specified below, or questions on home study credit availability, please contact cepesi@pesi.com or 800-844-8260 before the event.

Materials that are included in this course may include interventions and modalities that are beyond the authorized practice of mental health professionals. As a licensed professional, you are responsible for reviewing the scope of practice, including activities that are defined in law as beyond the boundaries of practice in accordance with and in compliance with your profession's standards.

PESI, Inc. offers continuing education programs and products under the brand names PESI, PESI Healthcare, PESI Rehab and Psychotherapy Networker.

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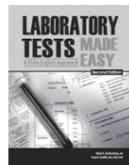
PESI, Inc. is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

Nurses in full attendance will earn 6.3 contact hours. Partial contact hours will be awarded for partial attendance.

OCCUPATIONAL THERAPISTS & OCCUPATIONAL THERAPY ASSISTANTS:

PESI, Inc. is an AOTA Approved Provider of continuing education. Provider #: 3322. Full attendance at this course qualifies for 6.0 contact hours or .6 CEUs in the Category of Domain of OT and Occupational Therapy Process. Partial credit will be issued for partial attendance. The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA. Course Level: Intermediate.

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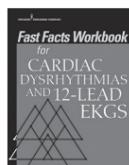


Laboratory Tests Made Easy:

A Plain English Approach, 2nd Edition

By Mikel Rothenberg, MD & Sean G. Smith, RN, BSN, NREMT-P, C-NPT, CCRN, CMC, CEN, CFRN, FP-C, CPEN **Your Presenter**

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. (2014)



Fast Facts Workbook for Cardiac Dysrhythmias and 12-Lead EKGs

By Paul Desmarais PhD, RN

This practical and straightforward workbook is designed to distill the complexities of the 12-Lead EKG. Perfect for both new and experienced Nurses, the book contains numerous practice examples with instant, detailed feedback of the "why" behind diagnosis and treatments, and provides much-needed reinforcement of this often-challenging content.

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PESI Inc. is proud to offer this seminar (at these locations only) free of charge (on live seminar tuition) for veterans and active duty military personnel. Limited seats available; advance online registration required.

PHYSICAL THERAPISTS & PHYSICAL THERAPIST ASSISTANTS: This activity consists of 6.25 clock hours of instruction that is applicable for physical therapists. CE requirements for physical therapists vary per state/jurisdiction. Please retain the certificate of completion that you receive and use as proof of completion when required.

MARYLAND PHYSICAL THERAPISTS AND PHYSICAL THERAPIST ASSISTANTS: This course meets the basic criteria of the Maryland State Board of Physical Therapy Examiners and has been approved for .6 CEUs.

VIRGINIA PHYSICAL THERAPISTS AND PHYSICAL THERAPIST ASSISTANTS: This course has been submitted to the Virginia Physical Therapy Association. Credit is pending.

PHYSICIANS: PESI, Inc. is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

PESI, Inc. designates this live activity for a maximum of 6.0 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

OTHER PROFESSIONS: This activity qualifies for 380 minutes of instructional content as required by many national, state and local licensing boards and professional organizations. Save your course outline and certificate of completion, and contact your own board or organization for specific requirements.

How to Register Mastering Lab Interpretation: Deciphering the Clues

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ADA NEEDS
We would be happy to accommodate your ADA needs; please call at least two weeks prior to the seminar date.

WALK-INS
Walk-ins are welcome but admission cannot be guaranteed. Call M-F 7:00-6:00 Central Time for space availability if registering within one week of seminar.

TUITION OPTIONS
• **FREE Military Tuition:** PESI Inc. is proud to offer this seminar (at these locations only) free of charge (on live seminar tuition) for veterans and active duty military personnel. Limited seats available; advance online registration required.

• **\$30 Tuition:** If you are interested in being our registration coordinator for the day, go to: www.pesihealthcare.com/coord for availability and job description, or call our Customer Service Dept. at 800-844-8260.

• **Groups of 10 or more:** Call 800-844-8260 for discounts.

• **Discounted Student Rate:** As part of its mission to serve educational needs, PESI, Inc. offers a reduced rate of 50% off standard tuition for students. Enclose a current student schedule with registration form. Go to www.pesihealthcare.com/faqs or call 800-844-8260 for details. Advance registration required. Cannot be combined with other discounts.

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\$199.99 – choose one of the options below:
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 \$35.00* Fast Facts Workbook for Cardiac Dysrhythmias and 12-Lead EKGs book

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___ Seminar on CD* (audio) \$169.99 (RNA074530)
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___ **Fast Facts Workbook for Cardiac Dysrhythmias and 12-Lead EKGs*** book \$35.00 (SAM085915)

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