

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.

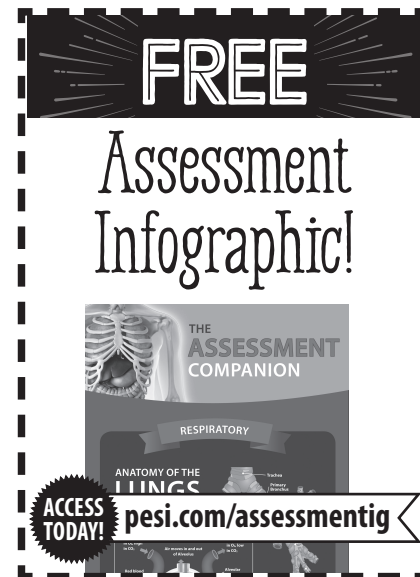
For locations and maps, go to www.pesihealthcare.com, find your event, and click on the seminar title.

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.



Bring any training in-house!



Convenient • Cost-Effective • Customizable

for more information visit

www.pesihealthcare.com/inhouse

NON-PROFIT ORG
US POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO 32729

PESI HealthCare
P.O. Box 1000
Eau Claire, WI 54702-1000
A division of PESI, Inc.

Mastering Lab Interpretation

Deciphering the Hidden Clues

PORTLAND, ME

Tuesday, November 12, 2019

MANCHESTER, NH

Wednesday, November 13, 2019

NEWTON, MA

Thursday, November 14, 2019



Register now! pesihc.com/express/73614

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...

PORTLAND, ME

Tuesday, November 12, 2019

MANCHESTER, NH

Wednesday, November 13, 2019

NEWTON, MA

Thursday, November 14, 2019

 **PESI**[®]
HealthCare
www.pesihealthcare.com

A Non-Profit Organization Connecting
Knowledge with Need Since 1979

Register now! pesihc.com/express/73614

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 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.

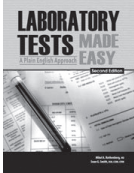
PESI, Inc. offers continuing education programs and products under the brand names PESI, PESI Healthcare, PESI Rehab and Psychotherapy Networker.

Nurses, Nurse Practitioners, and Clinical Nurse Specialists: 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.

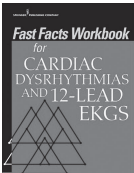
SAVE BY INCLUDING THESE PRODUCTS WITH SEMINAR REGISTRATION!



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.

Visit our Online Product Store: www.pesihealthcare.com/store



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.

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.

Physician Assistants: AAPA accepts certificates of participation for educational activities certified for AMA PRA Category 1™ from organizations accredited by ACCME such as PESI. Physician assistants may receive a maximum of 6.0 hours of Category 1 credit for completing this program.

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

QUESTIONS? Call 800-844-8260 or visit www.pesihealthcare.com/faqs

ONLINE

pesihc.com/express/73614

PHONE

800-844-8260

Please have credit card available

FAX

800-554-9775

MAIL

PESI HealthCare
PO Box 1000
Eau Claire, WI
54702-1000

2 Check location: (make copy of locations)

☐ **PORTLAND, ME**
November 12, 2019
Fireside Inn & Suites
81 Riverside St • 04103
(207) 774-5601

73614POT

☐ **MANCHESTER, NH**
November 13, 2019
Executive Court Conference Center
1199 South Mammoth Road • 03109
(603) 626-4788

73614MAN

☐ **NEWTON, MA**
November 14, 2019
Boston Marriott Newton
2345 Commonwealth Ave • 02466
(617) 969-1000

73614NEW

Register now!

pesihc.com/express/73614

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.

3 Check tuition:

TUITION WITH SEMINAR MANUAL

\$219.99 – choose one of the options below:

- ☐ per person for 2 or more preregistering together —OR—
☐ single registration postmarked 3 weeks prior to seminar date
☐ **\$209.99** per person for 5 or more preregistering together
☐ **\$249.99** standard

ADD-ON PRODUCTS

Distributed at seminar—FREE SHIPPING!

- ☐ **\$29.99*** *Laboratory Tests Made Easy* book
☐ **\$35.00*** *Fast Facts Workbook for Cardiac Dysrhythmias and 12-Lead EKGs* book

*Attendees add applicable state and local taxes except in AK, DE, MT, NH, OR

4 Indicate method of payment:

ALL REGISTRATIONS MUST BE PREPAID.
Purchase orders welcome (attach copy).

☐ Check enclosed payable to **PESI, Inc.**

☐ MC ☐ VISA ☐ AE ☐ Discover Novus
16 digits 13-16 digits 15 digits 16 digits

Card # _____

Card Exp. _____ V-Code #*: _____

Signature _____

(*MC/VISA/Discover: last 3-digit # on signature panel on back of card.)

(*American Express: 4-digit # above account # on face of card.)

CAN'T ATTEND THE SEMINAR?

See below for individual product orders

Mastering Lab Interpretation

- ___ Seminar on DVD* (video) \$219.99 (RNV074530)
___ Seminar on CD* (audio) \$219.99 (RNA074530)
___ **Laboratory Tests Made Easy, Second Edition** book* \$29.99 (PUB082860)
___ **Fast Facts Workbook for Cardiac Dysrhythmias and 12-Lead EKGs*** book \$35.00 (SAM085915)

CE hours and approvals on products may differ from live CE approvals.

*Shipping is \$6.95 first item + \$2.00 each add'l item.

**Residents add applicable state and local taxes except in AK, DE, MT, NH, OR

Product total \$ _____

*Shipping _____

Subtotal _____

**Tax _____

TOTAL _____

FOR OFFICE USE ONLY

Fed ID # 26-3896894 © 2019 PESI, Inc.

MRC