What’s New in Phlebotomy?

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Part of the 2017 Accurate Results Begin With Me® lecture series

Center for Phlebotomy Education

About today’s speaker:
Dennis J. Ernst MT (ASCP) is the executive director of the Center for Phlebotomy Education, Inc., in Corydon, Indiana.

After spending 20+ years as a medical technologist in large and small hospitals in Michigan, Indiana, and Kentucky, he started the Center for Phlebotomy Education, Inc. as an international and national resource for the growing number of healthcare personnel and professions being assigned blood collection responsibilities.

In addition to conducting phlebotomy presentations around the world, he regularly chairs revisions of the CLSI specimen collection standards. Among his other credits:
- Author of dozens of articles on phlebotomy in consumer and trade publications.
- Editor of The Lab Ideas Answer Book (Center for Phlebotomy Education, 2017)
- Regular panelist for AACC Evidence Reviews to determine best practices for the pre-analytical phase of laboratory testing
- Editor of the Phlebotomy Today® newsletter published since 2005

PHLEBOTOMY TODAY STAT!

Mr. Ernst edits Phlebotomy Today—STAT!, a free technical newsletter delivered monthly by email. To subscribe, visit www.phlebotomy.com

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Substantive changes:
Needles, syringes, holders
- preassembled
- sterile, single use
- safety features where regulated

Substantive changes:
BF cuff as a tourniquet
- 40-60 mm Hg
- never below

Substantive changes:
Safety transfer devices
- Must be used when transferring from a syringe

Substantive changes:
Collection manual
- Must be available to all who draw for the lab

Substantive changes:
NCE management
- Evidence-based approach
- phlebotomy procedures
- sample soliciting
- improves sample collection, transport handling, and/or processing practices

Substantive changes:
NCE management
- Customer service incidents
- Safety instructions
- Breaches of confidentiality

Substantive changes:
Quality indicators
- The facility must establish a program to identify

Substantive changes:
Patient ID
- All patient must receive a universal name, address, unique identifier system. POI: patient must submit all name, social security number, and address.
- Patients compare with O.D. and laboratory
- Outpatient: Company with credentials

Substantive changes:
Patient ID
- New
- Patient must validate first name and last date of birth
- Text and logo
- Must include credit card, TIN, and O.D.
- Must include second on all service, compare with other sources

Substantive changes:
Consent
- The phlebotomist must
- for the procedure as defined by facility policy
Substantive changes: Inquiries
- Problems with prior draws
- Maternal allergy (if latex is in use)

Substantive changes: Fatting history
- Patients with a history of fainting must be
  during the procedure.

Substantive changes: Patient positioning
- Must not be seated upright
- Sit on exam table
- Side of a bed
- Any surface without...nails or other barrier

Substantive changes: Mastectomy patients
- Section enhanced
- No changes in how/when to draw

Substantive changes: Vein selection
- Avoid basilic
- Never avoid the basilic and the
  of the median cephalic, and
  median basilic

Substantive changes: Supplies
- New gloves
- Must remain intact throughout

Substantive changes: Cleaning
- Cleansing no longer necessary

Substantive changes: Winged-collection sets
- Must be secured throughout procedure

Substantive changes: Filling tubes
- Must be filled to their stated volume
- Tube contents cannot be combined
Substantive changes:
- Trace element tubes
  
  “The tube manufacturer’s recommendations should be consulted.”

Substantive changes:
- Needle relocation
  - Greater detail
  - Describes a calculated relocation

Substantive changes:
- Tube labeling
  - Complete verification of patient information
  - “Whoever possible” to

Substantive changes:
- One stick per needle
  “Any additional attempts at specimen collection must be started from the beginning of the procedure. The same needle must never be used for additional subsequent punctures.”

Substantive changes:
- Post-venipuncture care
  - Must observe the site for at least 5 minutes.

Substantive changes:
- Complications
  - Accidental arterial puncture
  - Nerve injury
  - Hematoma
  - Hematoma

Substantive changes:
- Complications
  - Monitoring blood volume
  
  The total amount of blood collected from patients susceptible to anaphylactic episodes
  
  must be ___________ and ___________

Substantive changes:
- Complications
  - Must
  - Stabbers, syringes, etc.
  - Nerves
  - Nerve
  - Suture

Substantive changes:
- Complications
  - The phlebotomist must immediately report all complications and incidents occurring during the draw.
Substantive changes:
Special situations
- Blood Cultures
- Urine
- Stools
- Patients in isolation

Substantive changes:
Appendices
- Appendix A: Provides guidance and reminders for:
  - Children
  - Infants
  - Special
  - Hepatitis
  - Epstein-Barr cases
  - Immunocompromised patients

Substantive changes:
Appendices
- Appendix B: Provides guidance for establishing minimum volumes to prevent transfusion anemia

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GP48:
- Target audience:
  - Laboratory educators
  - School administrators and educators

What's New in Phlebotomy II

New Studies
  - Journal of Emergency Nursing

New Studies
- Exposure incidents among medical students in a high-prevalence HIV setting.
  - Journal of Effective Abbreviation Coherence

New Studies
- Continuous quality control of the blood sampling procedure using a structured intervention scheme.
  - Biochemistry Medicine

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New Studies
Hemolysis rates in blood samples: Differences between blood collected by clinicians and nurses and the effect of phlebotomy training.

Ceci Chineze (Lab Med)

New Studies
Alcohol used as Disinfectant before Venipuncture does not Lead to Sample Haemolysis or Sample Dilution.

J Chen (BioPharm Res)

New Studies

Journal of Clinical Laboratory Analysis

New Studies
Effective Pre-intervention Prevention of Pre-Analytical Errors due to hemolysis: Intensive Training

Clin Lab Med

New Studies
The relationship between vacuum and hemolysis during catheter blood collection: A retrospective analysis of six large cohorts

Clin Lab Med

New Studies
Tackling Hospital-Acquired Anemia: Lab-Based Interventions to Reduce Diagnostic Blood Loss

Lab Med News

Articles of Interest
New Blood Draw Protocol Could Minimize Risk for Critically ill Children

Press Release
Johns Hopkins Medicine
12/31/2019

Articles of Interest
SIRF Protein Stabilizes Blood for the Long Haul

LabRocks.com

Articles of Interest
Not fit to Test: Both High Hemolysis Rates

Cam Today

Articles of Interest
769 Hospital Peaceful for Patient Safety in 2017: Dallas

Infection Control & Clinical Quality

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