

MEDICAL LABORATORY OBSERVER



LAB BASICS 202: MICROBIOLOGY, CHEMISTRY, HEMOSTASIS

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The Cover Story and Clinical Issues published in this month's *MLO* are peer-reviewed.

Cover story objectives and the CE questions approved by administrators/staff of the Clinical Laboratory Sciences Program, College of Health and Human Sciences, Northern Illinois University, DeKalb, IL.

CE QUESTIONS

- What type of urine-collection tube cuts back on contamination of urine samples?**
 - yellow-top tube
 - boric-acid tube
 - refrigerated tube
 - none of the above
- If a swab must be used to collect a specimen, consider using**
 - a regular swab.
 - a liquid swab.
 - a flocced swab.
 - a flocced swab or a liquid swab.
 - none of the above.
- A good benchmark for STAT Gram-stain turnaround times is ___ hour(s); ___ hour(s) for routine Gram stains.**
 - one; one-half
 - four; one
 - one; four
 - None of the above
- Molecular testing is required where sensitivity of the test is critical (i.e., HSV-1).**
 - TRUE
 - FALSE
- The U.S. Department of Health and Human Services reports that by 2012, 138,000 lab professionals will be needed.**
 - TRUE
 - FALSE
- Poorly collected specimens can lead to**
 - false-negative cultures.
 - inappropriate/unnecessary patient use of antibiotics.
 - treating patients for infections they do not have.
 - all of the above.
 - none of the above.
- What is the adjunct or replacement test for the 24-hour urine creatinine clearance test?**
 - Calculated or electronic glomerular filtration rate
 - Calculated Cockcroft-Gault rate
 - Estimated average glucose rate
- The primary goal of the National Kidney Disease Education Program in performing the eGFR was to improve the early detection and treatment of kidney disease.**
 - TRUE
 - FALSE
- In calculating the glomerular filtration rate, use the serum creatinine, along with**
 - age, weight, height.
 - gender, weight, race.
 - gender, age, race.
 - gender, weight, height.
- EAG is an acronym for**
 - elevated average glucose.
 - electronic analysis [of] glucose.
 - estimated average glucose.
 - early assessment [of] glucose.
- For what test has the laboratory recently seen a marked increase in the number of requests?**
 - IDMS
 - eGFR
 - EAG
 - Vitamin D
- Low vitamin D status has long been associated with**
 - osteopenia.
 - osteoporosis.
 - fracture risk.
 - all of the above.
 - none of the above.
- What we consider "healthy" levels of vitamin D are based on dietary intake recommendations from**
 - 10 years ago.
 - 25 years ago.
 - 50 years ago.
 - last month.

14. Which large diagnostic company is performing PCR testing of saliva for CYP2C19 associated with clopidogrel?

- a. ARUP
- b. Quest Diagnostics
- c. bioMerieux
- d. None of the above

15. What organization offers a guideline on standardization of platelet function testing by aggregometry at its website?

- a. CLMA
- b. CLR
- c. CEU
- d. CLSI

16. What new drug is associated with a lower incidence of ischemic events?

- a. tirofiban
- b. aspirin
- c. clopidogrel
- d. ibuprophen

17. Platelet function, according to a CLSI document on different methods of aggregometry testing, may be suppressed by the use of

- a. vitamin D supplements.
- b. low weight heparin.
- c. antithrombin.
- d. treatment medication.

18. The existing data recommends that an adult have a daily intake of vitamin D in the amount of

- a. 1,500 IUs.
- b. 200 to 400 IUs.
- c. 500 to 1,000 IUs.
- d. 100 IUs.

19. To find current information on hemostasis issues, laboratory personnel can consult the website of

- a. The O'Reilly Factor.
- b. The X Factor.
- c. The V Leiden Factor.
- d. The Fritsma Factor.

20. Automation in microbiology labs helps perform tasks that

- a. are repetitive.
- b. are frequently batched.
- c. can be standardized.
- d. All of the above.
- e. None of the above.

TEST ANSWER FORM

CE Test on LAB BASICS 202: MICROBIOLOGY, CHEMISTRY, HEMOSTASIS November 2009

(This form may be photocopied; it is no longer valid for CEUs after May 31, 2011)

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20.	○	○	○	○	○

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