



FLU 2010-2011 ROUNDTABLE

MLO and Northern Illinois University (NIU), DeKalb, IL, are co-sponsors in offering continuing education units (CEUs) for this issue's article on **FLU 2010-2011 ROUNDTABLE**. CEUs or contact hours are granted by the College of Health and Human Sciences at NIU, which has been approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.[®] program (Provider No. 0001) and by the American Medical Technologists Institute for Education (Provider No. 121019; Registry No. 0061). Approval as a provider of continuing education programs has been granted by the state of Florida (Provider No. JP0000496). Continuing education credits awarded for successful completion of this test are acceptable for the ASCP Board of Registry Continuing Competence Recognition Program. After reading the articles in the cover story section, answer the following test questions and send your completed test form to NIU along with the nominal fee of \$20. Readers who pass the test successfully (scoring 70% or higher) will receive a certificate for 1 contact hour of P.A.C.E.[®] credit. Participants should allow four to six weeks for receipt of certificates.

The fee for this continuing education test is \$20.

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

Cover story objectives/CE questions written by Shirley Richmond, Ed.D., Dean, College of Health and Human Sciences, Northern Illinois University, DeKalb, IL.

The CE Test questions cover the interview with flu experts in the Roundtable only. The article "The essential nature of comprehensive respiratory viral testing" on page 19 is *not* included in the September 2010 CE Test.

CE QUESTIONS

- Simple protective measures to reduce the risk of H1N1 infection include all of the following *except***
 - frequent hand-washing.
 - getting vaccinated.
 - use of hand lotion.
 - using antiviral emollients.
- The influenza virus has the capacity for antigenic shift through its ability to reassort with other influenza virus strains.**
 - TRUE
 - FALSE
- A successful reassortment of the influenza virus will allow the virus to replicate and spread throughout society with enhanced and associated**
 - morbidity and mortality.
 - morbidity only.
 - mortality only.
 - None of the above.
- Investment in new product research is based upon**
 - reality.
 - whether new technologies truly offer higher accuracy.
 - adaptability to the mass market.
 - All of the above.
- Factors identified as to reasons why people fail to follow up on recommended vaccination regimens include**
 - allergies to the vaccine base.
 - religious reasons.
 - feeling of invincibility.
 - All of the above.
- The CDC has indicated that there is a correlation between vaccination and autism in children.**
 - TRUE
 - FALSE
- Diagnostic testing for influenza includes**
 - rapid flu tests.
 - PCR-based assays.
 - viral cell cultures.
 - All of the above.
- Molecular testing methods for influenza are**
 - highly accurate.
 - inexpensive.
 - require simple instrumentation.
 - All of the above.
- Clinically relevant test results are best obtained early on during the initial _____ hours following onset of the disease.**
 - 8 to 10
 - 24 to 72
 - 48 to 72
 - after 72
- The CDC controls the official influenza network.**
 - TRUE
 - FALSE
- One of the reasons the vaccine production was delayed is**
 - the slow growth of the virus.
 - the need to reassort the virus strain.
 - lack of knowledge of the producers.
 - None of the above.
- According to the CDC, _____ of the U. S. population develops influenza each year.**
 - 5% to 10%
 - 5% to 20%
 - more than 50%
 - 90%
- Influenza accounts for _____ deaths each year.**
 - 200,000
 - 36,000
 - 100,000
 - 5,000

14. The CDC has published new recommendations to take effect in the 2010-2011 influenza season for an annual influenza vaccination to include all

- a. people from 1 month to 65 years.
- b. people 6 months and older.
- c. people over 65 only.
- d. children only.

15. Seasonal influenza vaccines protect against _____ strains of influenza.

- a. two
- b. three
- c. six
- d. one

16. The 2009 H1N1 vaccine that was made to protect against the pandemic virus first detected in April

- a. was a monovalent (one-component) vaccine.
- b. only protected against the 2009 H1N1 viruses.
- c. protected against H1N1 virus and two other strains.
- d. Included a and b above.

17. Both the flu shot and the nasal-spray flu vaccine provide good protection against influenza when they match the influenza strains circulating that season.

- a. TRUE
- b. FALSE

18. The live, attenuated flu vaccine spray is approved for

- a. pregnant women.
- b. people ages 2 through 49.
- c. people over 80.
- d. people infected with HIV.

19. The reason given for the swine flu hitting young adults harder than the over-65 age group is believed to be

- a. the older people are believed to have some immunity to the A/H1N1 (2009) strain.
- b. the older people eat healthier.
- c. the older people do not interact with as many people.
- d. the older people have a known antigen against the influenza virus.

20. To prevent outbreaks, healthcare providers may recommend a yearly influenza vaccinations to

- a. people who provide essential community services.
- b. people living in dormitories.
- c. people in correctional facilities.
- d. All of the above.

TEST ANSWER FORM

CE Test on FLU 2010-2011 ROUNDTABLE

September 2010

(This form may be photocopied; it is no longer valid for CEUs after March 31, 2012.)

Circles must be filled in, or test will not be graded.

Shade circles like this: Not like this:

P=Poor; E=Excellent

1. To what extent did the article focus on or clarify the objectives?

P ① ② ③ ④ ⑤ **E**

2. To what extent was the article well-organized and readable?

P ① ② ③ ④ ⑤ **E**

3. How will you use the CE units?

- state license
- recertification
- employment
- other

A B C D

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

11.

12.

13.

14.

15.

16.

17.

18.

19.

20.

In order to receive CE licensure credits for Florida, your license number is required. Please provide your Florida license number in the space below:

FL Lic. No. _____

FEE FOR THIS CE TEST IS \$20.

**Make check payable to:
 Northern Illinois University**
 Fee not refundable or transferable.

Send your check with this form to:
 University Outreach Services
 Northern Illinois University
 DeKalb, IL 60115-2860
 Telephone: 815-753-0031

PRINT CLEARLY

NAME _____

MAILING ADDRESS _____

HOME WORK

CITY _____

STATE _____

ZIP _____

INSTITUTION/FACILITY _____

WORK PHONE _____

E-MAIL ADDRESS _____

MLO's Continuing Education Test is online also.
 Both the CE test and a convenient payment feature are available through the auspices of Northern Illinois University.
 Go to www.mlo-online.com/CE.aspx to print or to send electronically with payment.