

## Updates and Revisions to CE Courses 1/12/2012

This document contains updates and revisions made since January 2010. If you are using continuing education materials received before January 2010, and you are having problems regarding CE test questions or content, contact [conted@ncctinc.com](mailto:conted@ncctinc.com).

### Course #1221006: Tuberculosis: From Consumption to Molecular Diagnosis

January 17, 2012

The following questions have been revised as follows.

13. **Which of the following drugs are used with pyrazinamide for initial treatment of active tuberculosis?**
  - a. ethambutol
  - b. isoniazid
  - c. rifampin
  - d. all answers are correct
  
14. Patients with active TB are treated with \_\_\_\_\_ **combined with various other drugs** if the initial four-drug therapy does not work.
  - a. ethambutol
  - b. penicillin
  - c. streptomycin
  - d. vancomycin

### Course #1220708: Medical Terminology 4: Prefixes

March 2, 2010

Question 39 has been revised to read:

39. Hardening of fatty plaque in the *arteries*
  - a. hyperathervenosclerosis
  - b. hardenoplaquitis
  - c. typanometry
  - d. atherosclerosis

### Course #1220808: Medical Terminology: Advanced Review

March 2, 2010

1. Table 5, page 9: *vermin* has been changed to *vermi*
2. Table 6, page 9: *cirro* has been changed to *cirrho*
3. Table 6, page 10: definition of *jaundo* has been changed to *yellow, yellow-orange*
4. Table 6, page 10: definition of *xantho* has been changed to *yellow, yellow-orange*

April 12, 2011

1. Table 9, page 20: line with combining form *opo* has been deleted
2. Question 65 has been revised to read as follows.

65. Having an elongated face

- a. Dolicobuccal
- b. Peribuccal
- c. Encephalopathy
- d. *Dolichofacial*

**Course #1221308: Common Sports Injuries**

March 4, 2011

Question 24 has been revised to read as follows.

24. All of the following may be used for the diagnosis of AC separation EXCEPT \_\_\_\_\_.
- a. X-ray
  - b. *MRI*
  - c. Ultrasound
  - d. Biopsy

**Course # 1220409: Introduction to CPT Codes: Medical Billing 101**

March 16, 2010

Question 2 has been revised to read as follows.

2. Many organizations utilize medical coding for statistical analysis. Some of these organizations include \_\_\_\_\_.
- a. Medicare, American Medical Association, World Health Organization
  - b. American Insurance Association, Health Care Financing Association, US Government Accountability Office
  - c. American Medical Association, Health Care Financing Association, Occupational Safety and Health *Administration*
  - d. World Health Association, Food and Drug Administration, Health Care Financing Association

**Course # 1220909: Review of Cardiovascular System and ECG Performance.....**

April 12, 2011

Question 28 should read as follows:

28. Incorrect placement of electrodes may result in \_\_\_\_\_ on the ECG tracing.
- a. baseline interruption
  - b. somatic tremor
  - c. waveform interference
  - d. *alternating current*

**Course # 1220310: Laws Prohibiting Employment Discrimination**

April 2, 2010

Question 15 should read as follows:

15. If the EEOC has not made a determination of discrimination within *6 months*, they will issue a \_\_\_\_\_.
- a. complaint letter
  - b. right-to-sue letter
  - c. statement of determination
  - d. decision affidavit

April 8, 2011

Question 2 should read as:

2. Which of the following types of discrimination is prohibited under Title VII?
- a. *Age*
  - b. *National origin*
  - c. *Pregnancy*
  - d. Disability

**Course # 1220610: Needle Phobia**

March 4, 2011

Question 16 should read as follows:

16. An example of an iontophoretic topical anesthesia is \_\_\_\_\_.
- a. Ametop® Gel
  - b. EMLA®
  - c. Numby Stuff®
  - d. *SonoPrep®*

**Course # 1220610: Brain Brawn – How Memory Works and Tips for Improving It**

March 2, 2010

Question 16 should read as follows:

16. According to the US Department of Agriculture, a “standard drink” is \_\_\_\_\_.
- a. 12 ounces of beer
  - b. 4 ounces of wine
  - c. 2 ounces of spirits
  - d. All of the above

**Course # 1220810: Tomorrow’s Jobs 2006 - 2016**

March 4, 2011

Question 11 should read as follows:

11. After registered nurses, which occupation is projected to have the largest numerical increases in employment between 2006-2016 (*Chart 8*)?
- a. Accountants and auditors
  - b. Child care workers
  - c. Retail salespersons
  - d. Waiters and waitresses

**Course # 1221010: Current Phlebotomy Topics**

April 27, 2010

Questions 9 and 10 should read as follows:

9. *Which of the following vein locating devices must be discarded when the batteries no longer work?*
- a. AccuVein™
  - b. Vein Locator®
  - c. Veintector®
  - d. Wee Sight®
10. Which of the following vein locating devices is able to enhance images through *an image processor?*
- a. Veinlite®
  - b. VeinLocator®
  - c. VeinViewer®
  - d. Venoscope II®

March 17, 2010

Question 31 should read as follows:

31. CAP placed labeling errors into one of five categories. A specimen label without a date and time would be placed into which one of the following categories?
  - a. *Partially labeled*
  - a. Illegible label
  - b. Incompletely labeled
  - c. Mislabeled

March 4, 2011

1. Page 4, first paragraph, last sentence should read as:

Contact isolation is used for but *not* limited to patients with suspected or documented .....

2. Page 27, Blood Culture Contamination Rates section, second paragraph, fourth line should read as:

A total of 3,662 blood culture collections were evaluated over a 13-month period.

3. Question 4 should read as:

4. *Per transmission-based isolation precautions*, gowns and gloves are the recommended personal protective equipment for which of the following types of isolation?
  - a. Airborne
  - b. Contact
  - c. Droplet
  - d. All of the above

4. Question 23 should read as follows:

23. At 0930, a physician orders a potassium test. A specimen was collected for a creatinine at 0900. *The specimen was collected in a gel barrier tube and has been centrifuged.* Can the test be performed on the specimen already in the lab?
  - a. Yes, the test can be performed on the specimen collected at 0900.
  - b. No, the patient will need to be redrawn.

## Course # 1220111: Laboratory Panels Explained

June 21, 2011

1. The following addition has been made to the Lipid Profile chart on page 15.

Cholesterol/HDL ratio	A calculation used to determine the risk of heart attack or stroke	Optimum = 3.5:1	The lower the ratio, <i>the lower than average risk of heart attack or stroke</i> ; the higher the ratio, <i>the higher than average risk of heart attack or stroke</i>
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2. Question 3 should read as follows.

3. Which of the following blood cell types is most abundant in the *blood*?

- a. Basophils
- b. Erythrocytes
- c. Neutrophils
- d. White blood cells

## Course # 1220511: Frequently Prescribed Drugs

May 1, 2011

Question 54 should read as follows.

54. Which of the following drugs could be used to treat a serious fungal infection of the fingernails?

- a. Gris-PEG®
- b. Lotramin®
- c. Mycostatin®
- d. Tinactin®

## Course # 1220611: An Introduction to Cancer

January 17, 2012

1. The text on page 22 has been revised to read as follows.

### **CANCER SCREENING**

Early detection and diagnosis of cancer positively affects the survival rates. The American Cancer Society recommends the following cancer screening guidelines for most individuals. Some individuals may require a different screening schedule because of family history or genetic predisposition to certain types of cancer.

1. Breast cancer:
  - For healthy women, yearly mammograms are recommended starting at age **40**.

2. The following test questions have been revised.

30. For which one of the following would a needle biopsy be appropriate?

- a. Brain tumor
- b. Deep liver tumor
- c. Suspicious skin lesion
- d. Swollen lymph **node**

45. Per the American Cancer Society, at what age are annual mammograms recommended for a woman with no risk factors for breast cancer?

- a. **60**
- b. **50**
- c. **40**
- d. **30**

May 1, 2011

Question 48 should read as follows.

48. Which of the following is a FALSE statement regarding prostate cancer screening?

- a. African American males should discuss prostate screening with their doctors at age 45.
- b. At age 50, all men should discuss prostate cancer screening with their physicians.
- c. Endoscopy is used to screen for prostate cancer.
- d. Prostate screening involves a blood test for PSA and a digital rectal exam.

March 4, 2011

Question 8 should read as follows.

8. Which organization provides guidelines to ensure employees work safely with environmental carcinogens?

- a. American Cancer Institute
- b. Centers for Disease Control and Prevention
- c. Food and Drug Administration
- d. Occupational Safety and Health *Administration*

January 17, 2012

1. The following text on page 24 has been revised to read as follows.

## **SYPHILIS**

### **General Information**

Syphilis is a sexually transmitted disease caused by the bacteria *Treponema pallidum*. The disease starts out as a **painless** sore, usually on the genitals, rectum, or mouth. Syphilis is spread from person to person via skin or mucous membrane contact with the sores during vaginal, anal and oral sex. It can also be transmitted from mother to baby during pregnancy or childbirth (congenital syphilis). About 12% of babies with congenital syphilis die from the disease. Without successful treatment, syphilis can severely damage the heart, brain, and other organs.

2. Question 40 has been revised to read as follows.

40. The FDA **has approved** the Gardasil® HPV vaccine for both females and males in certain age groups.

- a. True
- b. False

June 21, 2011

1. The following text on page 22 has been modified to read as follows:

### HPV Related Cancer

#### *Cervix*

The treatment options for cervical cancer depend primarily on how advanced the cancer is, i.e., the stage of the cancer. Surgical treatments are listed below. The treatment options become more extensive as the severity of the cancer increases. *The treatment options are listed from the least severity to highest severity of cancer diagnosis.*

- Cryosurgery (*least extensive*): cervical cancer cells are killed by freezing
- Laser surgery: laser beam is used to burn off cervical cancer cells
- Cone biopsy: removal of a cone-shaped piece of cervical tissue (can be used to remove cancerous tissue, as well as for a biopsy for diagnosis)
- Simple hysterectomy: the uterus only is removed
- Radical hysterectomy and pelvic lymph node dissection: the uterus, vagina, fallopian tubes, ovaries, and pelvic lymph nodes are removed
- Pelvic exenteration (*most extensive*): a radical hysterectomy is performed and the bladder, rectum, and portions of the colon are removed

2. The following text on page 25 has been modified to read as follows:

### **Diagnosis**

Syphilis diagnosis differs depending on the stage of the infection.

#### Primary and Secondary Syphilis

1. Dark field microscopy: *As soon as a chancre is present, material from it can be viewed for the presence of the T. pallidum bacteria.* This examination is done using a special type of microscope called a dark field microscope. The bacteria appear as white spiral shapes on a dark background.

3. The text on page 26 has been modified to read as follows:

### **Treatment**

Syphilis is easy to cure in the primary and secondary stages. *It cannot be cured in the latent or tertiary stages.* The preferred treatment for all stages is penicillin. For those individuals who are allergic to penicillin, doxycycline, tetracycline, ceftriaxone, and azithromycin can be used in all stages except tertiary syphilis. *Tertiary syphilis can be treated with penicillin. However, at this stage the antibiotic only minimizes the symptoms; it does not cure the infection.* If these patients are allergic to penicillin, an allergy desensitization procedure is required before treatment is initiated.

4. Questions 42 and 43 have been revised to read as follows:

42. In which stage of syphilis can the disease NOT be *cured*?

- c. Primary
- d. Secondary
- e. Tertiary
- f. Syphilis can be successfully treated in all stages

43. Which of the following is the best test to detect syphilis in the very earliest stages; *i.e., right after a chancre develops*?

- g. Culture
- h. Dark field microscopy
- i. RPR
- j. VDRL

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