



## HPV: A LOOK INTO NEW METHODS FOR HIGH-RISK TESTING

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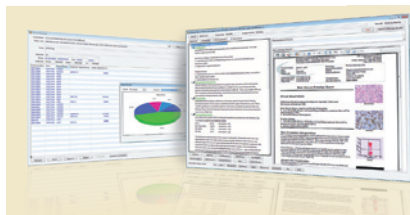
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### CE QUESTIONS

- HPV infection is an oncogenic agent for \_\_\_\_\_.**
  - basal-cell melanoma
  - lung-cell carcinoma
  - squamous-cell carcinoma
  - membranous tumors
- Cervicovaginal cytology screening has been an important factor in combating SCC in the U.S.**
  - TRUE
  - FALSE
- Screening cytology has high specificity for detecting high-grade squamous intraepithelial neoplasia and not low-grade.**
  - TRUE
  - FALSE
- High test sensitivity is important when screening for SCC as it is aggressive and metastasizes.**
  - TRUE
  - FALSE
- Typically, routine cytology screening of Pap smears is performed by \_\_\_\_\_.**
  - pathologists
  - cytotechnologists
  - histology technicians
  - phlebotomists
- Use of monolayer cervical preps lead to increased detection or single HSIL from samples that show \_\_\_\_\_.**
  - high cellularity
  - large amounts of blood
  - inflammation
  - all of the above.
- Automated computer imaging assists cytotechnologists in the screening of hyperchromatic cells.**
  - TRUE
  - FALSE
- Equivocal cytologic cases with atypical squamous cells of undetermined significance may have \_\_\_\_\_.**
  - a nucleus five times the size of an intermediate cell
  - an inconspicuous perinuclear halo
  - a nucleus no more than 2.5 times the size of an intermediate cell
  - a and b
  - b and c
- The method that utilizes nucleic-acid hybridization to detect DNA of high-risk HPV is \_\_\_\_\_.**
  - Digene Hybrid Capture 2
  - cobas 4800 PCR
  - Intracellular micro RNA detection
  - immunocytochemistry
- The method that has specific probes for detecting HPV 16 and 18 is \_\_\_\_\_.**
  - Digene Hybrid Capture 2
  - cobas 4800 PCR
  - intracellular micro RNA detection
  - immunocytochemistry
- Gardasil is a vaccine tailored to eliminate the serotypes of HPV with the highest risk for squamous dysplasia.**
  - TRUE
  - FALSE

*Continues on page 18*



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12. Of the four technologies described in this article, the method with the highest sensitivity is manufactured by \_\_\_\_\_.

- a. Roche
- b. Qiagen
- c. Stanford
- d. MTM Laboratories

13. Intracellular microRNA detection of HPV E6 and E7 domains may be quantified using flow cytometry.

- a. TRUE
- b. FALSE

14. Immunocytochemistry may be used to detect regulators of the cell cycle.

- a. TRUE
- b. FALSE

15. The method with the highest specificity for detecting CIN2 as described in this article is \_\_\_\_\_.

- a. Digene Hybrid Capture 2
- b. cobas 4800 PCR
- c. intracellular micro RNA detection
- d. immunocytochemistry

16. The American Society of Clinical Pathology outlines management guidelines for cytology cases requiring follow-up biopsy.

- a. TRUE
- b. FALSE

17. In the Digene Hybrid Capture 2 method, the antibody is conjugated to \_\_\_\_\_.

- a. alkaline phosphatase
- b. acid phosphatase
- c. lipase
- d. creatine kinase

18. The HPV genotype(s) proven to carry the highest risk for developing high-grade squamous dysplasia is/are \_\_\_\_\_.

- a. E6 and E7
- b. P16
- c. 16 and 18
- d. CIN2

19. The benefit of using PCR testing for high-risk patients is the ability to discriminate HPV subtypes.

- a. TRUE
- b. FALSE

20. New testing methods to assist with diagnosis of high-risk HPV cases should have high sensitivity and positive predictive value.

- a. TRUE
- b. FALSE

## TEST ANSWER FORM

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July 2011

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