

Exfoliative Cytology Fundamentals

Cytopathology · Answer Key · 15 Questions

1. What is the primary definition of exfoliative cytology?

- A) The study of biopsy tissue sections
- B) The microscopic study of cells shed from epithelial surfaces**
- C) The chemical analysis of body fluids
- D) The surgical removal of suspicious growths

2. Which of the following is NOT a benefit of exfoliative cytology?

- A) Non-invasive
- B) Pain-free
- C) Rapid technique
- D) Provides a definitive diagnosis without further tests**

3. What is the recommended minimum volume for body fluid specimens for optimal evaluation?

- A) 2 ml
- B) 5 ml
- C) 10 ml**
- D) 20 ml

4. What additive is commonly used in body fluids to reduce clotting?

- A) EDTA
- B) Heparin**
- C) Sodium Citrate
- D) Formalin

5. Which Papanicolaou smear classification indicates the presence of minor atypia but no evidence of malignancy?

- A) Class I
- B) Class II**
- C) Class IV
- D) Class V

6. In which smear class is a biopsy considered mandatory?

- A) Class I
- B) Class II
- C) Class III
- D) Class IV**

7. Who is credited with establishing cervicovaginal cytology as a practical cancer screening method?

A) Dr. George Papanicolaou

B) Dr. Herbert Traut

C) Dr. Ayre

D) Dr. Tzanck

8. Which area of the cervix is the primary focus of gynecological cytology?

A) Endocervical canal

B) Transformation zone

C) Squamous epithelium

D) Exocervix

9. What is the key difference between conventional Pap smear and liquid-based cytology?

A) Staining time

B) Collection device

C) Preservative fluid usage

D) Slide thickness

10. Which instrument is commonly used for scraping and brushing in cervical cytology?

A) Forceps

B) Ayre spatula

C) Scalpel

D) Pipette

11. What is the preferred specimen type for detecting urothelial carcinoma?

A) Sputum

B) Urine

C) CSF

D) Gastric lavage

12. Which fixative is NOT explicitly listed in the provided text?

A) 95% Ethanol

B) 100% Methanol

C) 10% Formalin

D) 80% Isopropanol

13. In the Papanicolaou stain, what color does Harris hematoxylin impart to nuclear chromatin?

- A) Pink
- B) Green
- C) Blue to dark purple**
- D) Orange

14. What is the target structure for the OG-6 (Orange G) stain?

- A) Nucleoli
- B) Keratin**
- C) Cytoplasm
- D) RBCs

15. Which substance is recommended for permanently mounting slides in the described experiment?

- A) Saline
- B) Eukitt**
- C) Water
- D) Alcohol