

# Gynecology

- 1) A 62 year old female presents with post-menopausal bleeding. The most important diagnosis to rule out is:
  - a) Atrophic vulvovaginitis
  - b) Foreign body
  - c) Vulvar intraepithelial neoplasia
  - d) Endometrial cancer
  
- 2) Contraindications to hormone replacement therapy include:
  - a) Known breast cancer
  - b) Acute liver disease
  - c) Thromboembolic disease
  - d) Undiagnosed vaginal bleeding
  - e) All of the above
  
- 3) Which of the following can NOT be used as emergency contraception:
  - a) Post-contraception copper IUD
  - b) Post-contraception Mirena™ IUD
  - c) Yuzpe method
  - d) "Plan B"
  
- 4) A 22 year old G0P0 presents to her gynaecologist's office complaining of amenorrhea. The most important diagnosis to rule out is:
  - a) Turner's Syndrome
  - b) Imperforate hymen
  - c) Pregnancy
  - d) Hypothalamic/pituitary dysfunction
  
- 5) Which of the following is not a clinical feature of PCOS:
  - a) Hirsutism
  - b) Infertility
  - c) Insulin Resistance
  - d) Dysmenorrhea
  
- 6) Which of the following is a correct statement regarding vaginal discharge:
  - a) Candidiasis is characterized by "cottage-cheese-like" vaginal discharge and KOH wetmount would reveal hyphae and spores
  - b) Bacterial Vaginosis is characterized by white, thick discharge and a negative KOH whiff test
  - c) Trichomoniasis is characterized by grey, thin and diffuse discharge and saline wetmount would reveal hyphae
  - d) All of the above are false
  
- 7) Which of the following is a correct statement regarding the Menstrual Cycle:
  - a) The proliferative/follicular phase of the menstrual cycle is of fixed duration
  - b) The secretory/luteal phase of the menstrual cycle is of fixed duration, due to the finite lifespan of the corpus luteum
  - c) Progesterone is the main hormone of the proliferative phase, stimulating rapid growth of endometrial glands and stroma
  - d) Estrogen is the main hormone of the secretory phase
  
- 8) The most common site of occurrence of Endometriosis is:
  - a) Ovaries
  - b) Rectosigmoid colon
  - c) Appendix
  - d) Broad ligament
  
- 9) What is the most common causative organism of Pelvic Inflammatory Disease:
  - a) N. gonorrhoeae
  - b) C. trachomatis
  - c) E. coli
  - d) Actinomyces israelii

- 10) A 36 year-old female presents with a mucopurulent vaginal discharge. Gram stain of a cervical swab shows gram negative diplococci. Which of the following is correct?
- If untreated this condition will likely resolve spontaneously
  - The most likely diagnosis is Strep group B
  - Appropriate treatment is Metronidazole vaginal cream
  - Appropriate treatment is a single I.M. dose of 250 mg of Ceftriaxone
  - Public Health will most likely need to be notified
- 11) A one year-old female presents with vaginal bleeding. Vaginal inspection reveals the presence of a multicystic grape-like lesion. The most likely diagnosis is?
- Sexual abuse
  - DES syndrome
  - Sarcoma botyroides
  - Clear cell Adenocarcinoma
  - Exposure to exogenous estrogen
- 12) A 24 year-old female presents with abdominal pain. Beta-HCG is negative. Pelvic ultrasound shows a 5 cm right ovarian cyst. You would:
- Perform immediate laporotomy
  - Perform immediate laproscopy
  - Aspirate the cyst under ultrasonographic guidance
  - Order a CBC and a CA125
  - Expectant management with repeat ultrasound in 8 weeks
- 13) The commonest type of bleeding encountered with uterine leiomyomata is:
- Post-coital spotting
  - Mid-cycle bleeding
  - Hypermenorrhea
  - Oligomenorrhea
  - Post-coital staining
- 14) Which of the following statements about estrogen therapy in postmenopausal women is correct?
- It is a major risk factor for breast cancer
  - It decreases hepatic triglyceride production
  - It produces hypertension
  - It protects against vertebral compression fractures
  - It directly stimulates the proliferation of vascular endothelium
- 15) A couple are unable to conceive after 1 year. Of the following statistics regarding infertility, which are correct:
- 10-15% of couples are infertile
  - Only 40% of couples achieve pregnancy within 6 months of trying
  - Only 20% achieve pregnancy within 1 year of trying
  - Male factors are responsible for over half of infertility causes
  - Infertility is labelled after failure to conceive within 2 years of trying
- 16) Vaginal discharge which is fishy in odor and associated with >20% clue cells on microscopy will not be associated with which of the following:
- Be due to gardnerella vaginalis overgrowth
  - Can be treated with metronidazole or clindamycin
  - With the addition of KOH may see hyphae or spores
  - Must be treated in all pregnant women, including asymptomatic
  - Is rarely associated with inflamed or itchy vulva
- 17) A 55 year-old woman comes to the office to discuss menopause. You tell her which of the following are a part of this stage:
- Hot flushes
  - Vaginal dryness
  - Mood swings
  - Insomnia
  - All of the above

- 18) All of the following features have been described in women with androgen insensitivity syndrome EXCEPT:
- Mammary aplasia
  - Female phenotype
  - Absence of wolffian duct structures
  - Short vagina
  - Absence of mullerian duct structures
- 19) On colposcopy, the transformation zone:
- Contains columnar epithelium
  - Is the area between original squamous epithelium and columnar epithelium
  - Contains metaplastic epithelium
  - Contains atypical blood vessels
- 20) Regarding laparoscopy:
- It is contraindicated in patients who are menstruating
  - Patients with intestinal obstruction are still able to undergo laparoscopy
  - The most common indication for therapeutic laparoscopy is tubal sterilization
  - All of the above are incorrect
- 21) One cause of secondary amenorrhea is:
- Turner syndrome
  - Anorexia
  - Androgen insensitivity syndrome
  - Gonadal dysgenesis
  - Imperforate hymen
- 22) Risk factors for cervical carcinoma includes all of the following EXCEPT:
- Human papilloma virus type 16 and 18
  - Early age at first intercourse
  - Smoking
  - High socio-economic status
  - Multiple sexual partners
- 23) A 35 year-old G0P0 has severe pain during menses which radiates into the anal region. On bimanual exam, she has a small, retroverted uterus and tender nodules can be felt on palpation of the uterosacral ligaments. Which of the following conditions does she most likely have:
- Chronic PID
  - Adenomyosis
  - Fibroids
  - Endometriosis
  - Uterine carcinoma
- 24) Which of the following statements is correct?
- Cervical carcinoma is the most common gynecological malignancy in Canada
  - Lichen sclerosis is treated with estrogen cream
  - Colposcopy is required after a finding of mild cervical dysplasia on a routine Pap smear
  - Follicular cysts typically regress with the following cycle
  - Leiomyomata are malignant tumours
- 25) Which of the following statements regarding malignant cervical lesions is true?
- 95% are squamous cell carcinoma
  - CA-125 levels to monitor treatment effectiveness are indicated
  - The majority of lesions arise outside the transformation zone of the cervix
  - They are not associated with HPV infection
  - Treatment for stage 4 disease is radical hysterectomy with chemotherapy
- 26) In endometriosis, the most common location for disease is:
- Broad ligament
  - Cul-de-sac
  - Ovaries
  - Appendix
  - Uterosacral ligament

- 27) All of the following increase the risk of developing ovarian cancer EXCEPT:
- Family history
  - BCP
  - Nulliparity
  - Late menopause
  - Caucasian
- 28) A young female enters your office wanting to start oral contraceptive pills. You remind yourself of the reasons she may not start the pill which are:
- Impaired liver function
  - Undiagnosed abnormal uterine bleeding
  - Congenital hyperlipidemia
  - Past history thrombophlebitis
  - All of the above
- 29) Which of the following statements regarding endometriosis is incorrect?
- Theories proposed to explain the histogenesis of endometriosis include retrograde menstruation and coelomic metaplasia
  - CA-125 is used to make the diagnosis of endometriosis
  - Symptoms of endometriosis may include urinary frequency and dyschezia
  - The differential diagnosis of endometriomas include hemorrhagic corpus luteum cysts as well as neoplasms
  - The risk of endometriosis is several fold greater if there is a first degree relative with this condition
- 30) A 55 year-old female presents with a "period-like" vaginal bleeding for 5 days that stopped spontaneously. Your approach to the problem would be to:
- Reassure the patient and manage expectantly
  - Administer provera 10 mg od for 15 days
  - Administer cyclic estrogen plus progesterone
  - Obtain endometrial tissue
  - Perform a pap smear plus endocervical curettage
- 31) The appropriate next step in a woman found to have 1 abnormal Pap smear showing ASCUS is:
- Repeat in 1 year's time
  - Repeat in 4-6 months time with colposcopy if abnormal
  - Send patient directly for colposcopy and LEEP excision
  - Send for colposcopy after 1 abnormal Pap
  - Repeat Pap immediately and treat for HPV infection
- 32) A 41 year-old woman presents with obesity, hirsutism and oligomenorrhea, which of the following tests will give the least useful information?
- Prolactin
  - LH/FSH ratio
  - Free testosterone
  - TSH
  - 24-hour urine free cortisol
- 33) With respect to androgen insensitivity syndrome, which of the following is true?
- Genotype is XY
  - Breast development and uterus are absent
  - Serum testosterone is below normal male range
  - Secondary sex characteristics are male
  - The condition is autosomal recessive
- 34) The new selective estrogen receptor modulators have all of the following benefits EXCEPT:
- No agonistic effect on breasts
  - Provides estrogenic benefit on bone
  - Minimal effect on triglycerides and cholesterol
  - No agonistic effect on uterine tissue
  - Provides relief of hot flushes associated with menopause

- 35) Regarding birth control, which of the following is false?
- a) It is contraindicated in women over age 35 who are smokers
  - b) Its efficacy may be decreased when taking antibiotics
  - c) Reduces the risk of ovarian carcinoma
  - d) Is associated with only a 10% failure rate
  - e) Can be associated with nausea and mastalgia

- 36) All of the following are contraindications for the IUD EXCEPT:
- a) Uterine anomaly
  - b) Pregnancy
  - c) Cervical infection
  - d) Fibroids
  - e) Undiagnosed vaginal bleeding

- 37) All of the following are types of contraceptives that release some type of hormone (estrogen, progesterone or both) EXCEPT:
- a) Mirena
  - b) Nuvaring
  - c) Ortho Evra
  - d) Alesse
  - e) Novo-T

- 38) All of the following are associated with PCOS EXCEPT:
- a) Obesity
  - b) Hirsutism
  - c) Infertility
  - d) Hypertension
  - e) Oligomenorrhea

- 39) Which of the following disease and treatment is correctly matched:
- a) HSV and cryotherapy weekly until lesions disappear
  - b) HPV and acyclovir 400mg po tid x 7d
  - c) Primary Syphilis and Benzathin Penicillin G 2.4 million units IM single dose
  - d) Inpatient PID and Flagyl 500 mg po BID x 14d
  - e) Bacterial Vaginosis and Clotrimazole 3d cream

- 40) HRT should be used for the treatment of osteoporosis.
- a) True
  - b) False

## ANSWERS

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|------|-------|-------|-------|---------------|
| 1. D | 9. B  | 17. E | 25. A | 33. A         |
| 2. E | 10. E | 18. A | 26. C | 34. E         |
| 3. B | 11. C | 19. C | 27. B | 35. D         |
| 4. C | 12. E | 20. C | 28. E | 36. D         |
| 5. D | 13. C | 21. B | 29. B | 37. E         |
| 6. A | 14. D | 22. D | 30. D | 38. D         |
| 7. B | 15. A | 23. D | 31. B | 39. C         |
| 8. A | 16. C | 24. D | 32. B | 40. B (false) |