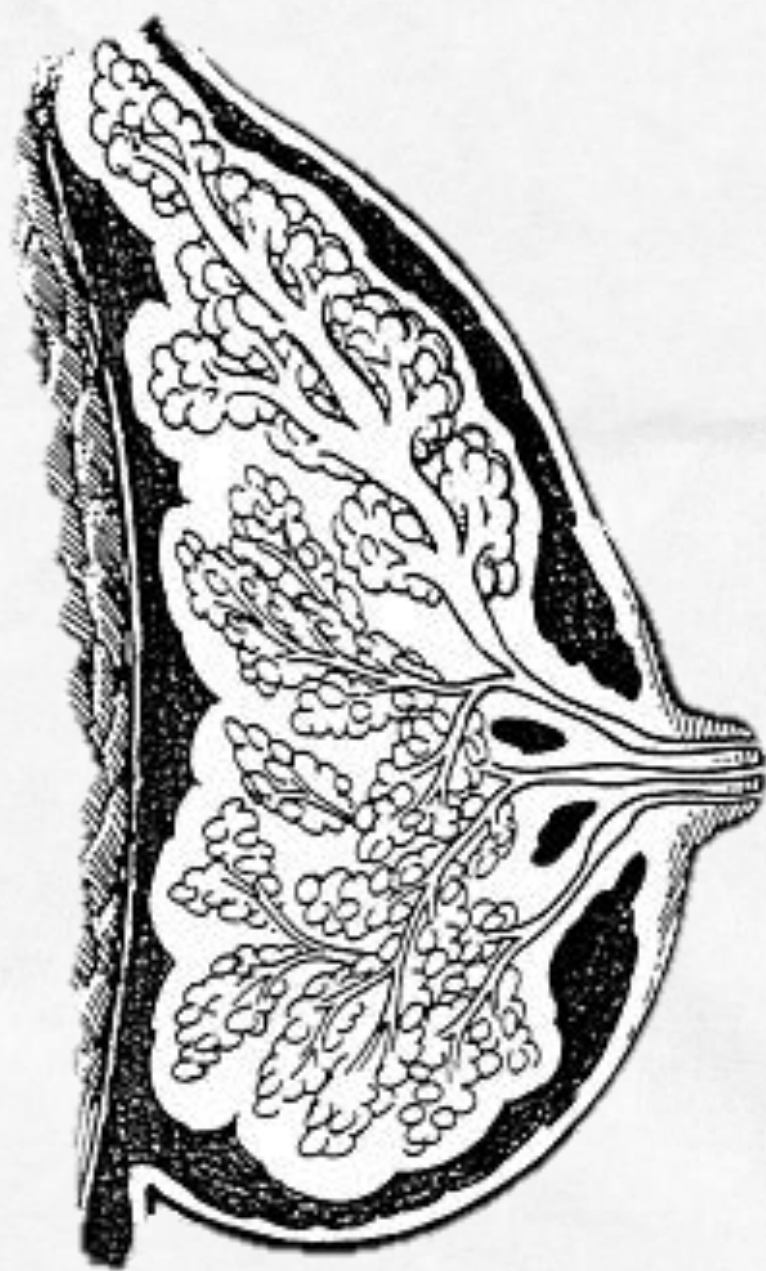


General surgery



Breast rotation - Past papers

Done by: Malek Abu Rahma

-The **colored question numbers** are mentioned more than once so focus on them-

Breast rotation

1. The presence of which marker is a significant poor prognostic variable for patients with breast cancer:

- A) CEA
- B) C-erb B-2 (HER2)
- C) AFP
- D) Human chorionic gonadotropin (hCG)
- E) RB-1

ANSWER : B

2. Regarding phylloids tumor all of the followings are true EXCEPT:

- A) 90% are malignant.
- B) One out of five are associated with Fibroadenomas.
- C) Treatment by wide excision or mastectomy.
- D) Axillary lymph nodes rarely involved.
- E) They are usually unifocal in the breast

ANSWER : A

3. Features of breast cancer which are associated with locally advanced disease include all of the following EXCEPT:

- A) Edema of the skin of the breast
- B) Skin ulceration
- C) Arm edema
- D) Dermal lymphatic invasion
- E) Nipple retraction

ANSWER : E

4. Breast carcinoma with the worst prognosis is:

- A) infiltrating ductal carcinoma
- B) medullary carcinoma
- C) mucinous (colloid) carcinoma
- D) papillary carcinoma
- E) tubular

ANSWER : A

Breast rotation

5. All of the following are considered carcinoma in situ, EXCEPT:

- A) Paget's disease of the nipple
- B) Basal cell carcinoma (not sure)
- C) Hutchinson's freckle
- D) Bown's disease
- E) Erythroplasia of Queyrat

ANSWER : B

6. A woman with breast cancer subsequently develops metastases in her vertebral column. The most direct route for spread of the tumor to the vertebral column was via:

- A) branches of the cephalic vein
- B) branches of the lateral thoracic vein
- C) branches of the thoracoacromial veins
- D) lymphatic vessels draining into the axilla
- E) branches of the intercostal veins

ANSWER : E

7. The optimum management of a T4 breast cancer is:

- A) modified radical mastectomy and radiation
- B) chemoradiation only
- C) simple mastectomy and radiation
- D) chemotherapy followed by mastectomy and radiation
- E) radiation therapy only

ANSWER : D

8. Trastuzumab is a monoclonal antibody used to treat:

- A) breast cancer
- B) renal cell carcinoma
- C) basal cell carcinoma
- D) hodgkin's disease
- E) melanoma

ANSWER : A

Breast rotation

9. A 46-year-old female whose mammogram reveals a 1.1. cm density in the subareolar region of her left breast. The radiologist classifies as BIRADS 4B. She has no palpable lesion on physical exam. The most appropriate next step is:

- A) Repeat mammography in 6 months
- B) Stereotactic core needle biopsy.
- C) Magnetic resonance imaging (MRI) of the breast.
- D) Surgical excisional biopsy
- E) Genetic screening of inherited mutations.

ANSWER : B

10. Which of the following is not true regarding magnetic resonance imaging (MRI) for evaluation of breast abnormalities:

- A) It's is useful for finding the primary breast lesion in patients with positive axillary nodes but no mammographic evidence of a breast tumor.
- B) It's useful as a screening tool for young patients who are at high risk to develop breast cancer.
- C) Its sensitivity in detecting invasive cancer is greater than 90%.
- D) It is more accurate than mammography in assessing the tumor extent in older women.
- E) It is more accurate than mammography in establishing the extent of disease in invasive lobular cancer.

ANSWER : D

11. Regarding breast carcinoma in men, which statement is true:

- A) lobular carcinomas is the most common type
- B) It is more commonly associated with a mutation in the BRCA2 gene
- C) The prognosis is worse stage for stage than for women
- D) Sentinel lymph node biopsy (SLNB) is contraindicated
- E) Gynecomastia is a risk factor.

ANSWER : B

12. Which of the following statements is wrong concerning the histologic variants of invasive breast carcinoma:

- A) The presence of an in situ component with invasive ductal carcinoma does not adversely affects prognosis
- B) Medullary carcinomas, although often of large size, are associated with a better overall prognosis than common invasive ductal cancers
- C) Mucinous or colloid carcinoma is one of the more common variants of invasive ductal cancer
- D) Invasive lobular carcinoma is associated with a higher incidence of bilateral breast cancer
- E) When mixed histologies are encountered, the clinical behavior parallels that of the invasive ductal carcinoma.

ANSWER : C

Breast rotation

13. Gynecomastia, false:

- A) pseudo gynecomastia can be treated with tamoxifen
- B) no increased risk of cancer
- C) testosterone can be used for gynecomastia secondary to testosterone deficiency - increase incidence with advancing age

ANSWER : B

14. More associated with breast malignancy:

- A) Atypical ductal hyperplasia
- B) Sclerosing adenosis
- C) Duct ectasia
- D) Fibroadenoma

ANSWER : A

15. breast CA increases with except:

- A) braca 1
- B) family hx
- C) induced menopause
- D) first child at 35

ANSWER : C

16. Noninvasive ca of the breast:

- A) Comedo
- B) Medullary
- C) Mucinous
- D) Infiltrative ductal
- E) papillary

ANSWER : A

Breast rotation

17. Duct ectasia , all are true except :

- A) can cause nipple inversion
- B) wide excision of major duct is treatment
- C) brown - green discharge
- D) decrease incidence in smokers
- E) usually associated with aerobic and anaerobic infections

ANSWER : D

18. Infiltration of Cooper ligament in breast CA:

- A) Peu d'orange
- B) skin distortion
- C) nipple retraction

ANSWER : B

19. Factors predisposing to the development of breast cancer in women include all of the following EXCEPT:

- A) a maternal history of breast cancer
- B) early first pregnancy
- C) atypical hyperplasia of the breast
- D) increasing age beyond 50 years
- E) previous mastectomy for cancer

ANSWER : B

20. In Duct ectasia all of the following are true EXCEPT:

- A) It is often associated with both aerobic and anaerobic bacterial infection
- B) The incidence is reduced in smokers
- C) May present with a green or brown nipple discharge
- D) May present with nipple inversion
- E) Can be adequately treated with excision of the major ductal system

ANSWER : B

Breast rotation

21. Metastatic disease to the stomach can occur with the following tumors (Which one is the most common):

- A) melanoma
- B) breast cancer
- C) testicular cancer
- D) colon cancer
- E) prostate cancer

ANSWER : B

22. Concerning the recurrence of breast cancer:

- A) The majority of patients recur within five years of diagnosis.
- B) More than 70% of breast cancer recurrences involve distant metastases.
- C) Pulmonary metastases are the most common initial site of distant recurrence.
- D) The local recurrence rate following breast-conserving procedures falls from 40% to 10% if postoperative radiation therapy is given to the entire breast.
- E) Recurrent disease will be seen in 15-20% of node-negative patients undergoing appropriate primary breast therapy.

ANSWER : C

23. Regarding gynecomastia:

- A) If the disease is unilateral, it is unlikely drug-related
- B) Discontinuation of the offending drug always leads to resolution of the condition
- C) The standard surgical treatment is subcutaneous mastectomy
- D) The presence of gynecomastia is often associated with the subsequent development of breast cancer
- E) A formal endocrine evaluation is indicated in most patients with gynecomastia

ANSWER : E

24. A modified radical mastectomy was performed for a 55-year-old lady. the histopathology result revealed a 3.2-cm carcinoma in situ with an invasive component of 0.9 cm. and one out of 14 lymph nodes had macro metastasis and her metastatic workup was negative. What is her TNM stage:

- A) T1N1M0
- B) T3N1M0
- C) T2N1M0
- D) T0N1M0
- E) T3N2M0

ANSWER : C

Breast rotation

25. Modern therapy for breast cancer focuses on molecular markers to help guiding treatment strategies. Which of the following statements is correct:

- A) Basal-like cancers are triple-positive cancers.
- B) Carriers of the BRCA2 mutation are more likely to have triple-negative cancers.
- C) Human epidermal growth factor receptor (HER)-2-positive cancers are unlikely to respond to treatment with trastuzumab.
- D) All breast cancers are sensitive to endocrine therapy.
- E) Oestrogen receptor (ER)-positive/HER-2-negative patients should be treated with endocrine therapy.

ANSWER : E

26. Regarding to breast development, which of the following statements is true:

- A) Inverted nipples at the age of puberty suggest underlying breast cancer.
- B) Extramammary breast tissue is not under the influence of the hormonal status of the patient.
- C) Accessory breast tissue can be found anywhere from the axilla to the groin.
- D) Breast enlargement in female neonates is indicative of an underlying estrogen-secreting adrenal tumor.
- E) Gynecomastia in a prepubertal boy requires excision

ANSWER : C

27. A 35-year-old woman, who is currently breast-feeding her firstborn child, develops an erythematous and inflamed fluctuant area on breast examination. Which of the following statements is wrong concerning her diagnosis and management:

- A) The most common organism which would expect to be cultured is Staphylococcus aureus
- B) Open surgical drainage is likely indicated
- C) Breast-feeding absolutely should be discontinued
- D) If the inflammatory process does not completely respond, a biopsy may be indicated
- E) The organism has gained access through a macerated nipple

ANSWER : C

28. True about breast cancer recurrence:

- A) 15-20% of well treated stage I and II will recur
- B) Most recurrences happen within 5 yr
- C) Radiation of the whole breast reduces risk from 40-10%

ANSWER : B

Breast rotation

29. A 40 year old examined and found to have a 4 cm tender cyst, your approach:

- A) mammogram
- B) MRI
- C) aspiration and cytology
- D) reassure and re-examine after menstruation.

ANSWER : C

30. compression of dermal lymphatic vessel causes one of the following:

- A) reflex pain in other side
- B) peau d'orange
- C) nipple retraction

ANSWER : B

31. Not a finding in locally advanced breast CA:

- A) Arm edema
- B) Skin dimpling
- C) Nipple inversion

ANSWER : A

32. fibroadenoma of breast , all true except :

- A) can be treated conservatively safely
- B) mostly in adolescents
- C) 30% decrease in size after 2 years
- D) Malignant potential
- E) Monoclonal cell proliferation

ANSWER : E

Breast rotation

33. which of the following is not associated with the prognosis of breast CA:

- A) no. of lymph nodes involved
- B) level of L.N involved
- C) histopathology
- D) oestrogen receptors
- E) Pregnant After 2 years of treatment by mastectomy

ANSWER : E

34. Cystic mass in the breast in a 33 year old woman MANS:

- A) Aspiration & Cytology
- B) reassurance and reexamine post-menopause.

ANSWER : A

35. about inflammatory breast ca. except:

- A) bad prognosis
- B) can be mixed up with breast abscesses
- C) rapidly growing
- D) treatment by mastectomy and chemoradiotherapy

ANSWER : B

36. Which of the following is NOT TRUE about medullary breast cancer?

- A) Lower rates of mets to lymph nodes
- B) Strongly Positive ER PR
- C) Looks benign on US imaging
- D) Lymphocytic infiltration
- E) Statistically better than average prognosis

ANSWER : B

Breast rotation

37. Which of the following is not a risk factor for breast cancer?

- A) artificially induced menopause
- B) First pregnancy after 35 years
- C) history of multiple epitheliosis on previous biopsy
- D) her mother and sister have breast cancer
- E) history of breast cancer in the contralateral breast

ANSWER : A

38. Which of the following favors a malignant breast mass over benign?

- A) excessive mobility within the breast
- B) tenderness upon palpation
- C) variation upon menstrual cycle
- D) skin tethering
- E) Well, differentiated smooth edges

ANSWER : D

39. 2 cm mass, no lymph nodes and no mets which stage?

ANSWER : Stage 1

40. 1.1 cm mass, mammogram BIRAD 4... Best next step?

ANSWER : Core needle biopsy

Breast rotation

41. Which of the following is true about breast cancer:

ANSWER : dimpled skin is caused by Cooper ligament shortening.

42. Paget disease of the nipple:

ANSWER : presents as eczema to us type of lesion.

43. single most important risk factor for Breast Cancer:

ANSWER : Age.

44. Not a sign of local invasion:

ANSWER : Arm Edema

اللهم سلم غزاة وأهلها من كل سوء وشر، اللهم انصرهم وثبت أقدامهم وكن لهم ناصرًا ومعينًا

لا تنسوني من صالح دعائكم

Malek Abu Rahma

The End
Good Luck シ