

# 019 SubMedicine Final 2024

## Radiology

1. Digital subtraction angiogram question from past
  2. DMSA scan for pyelonephritis
  3. leptomeningeal expansion - growing fracture
  4. Not abuse - supracondylar
  5. Wrong: uncinate in front of mesenteric vessels VS pancreas location is inferiorly oblique from right to left (not sure..)
  6. Microlobulated: BIRAD 4
  7. BIRAD 2 RADIOLUCENT AND OVAL LESION
  8. JUDICIAL: a. CERVICAL fracture  
b. cerebral anemia
- mostly the answer is A
9. Wrong about Non ossifying fibroma - central lesion
  10. Ewing vs osteosarcoma - ewing is diaphyseal
  11. Wrong extramedullary intradural lesion cause cord expansion
  12. Aorta supply GI with 3 single main branches
  13. Technique used in interventional radiology - seldinger
  14. stroke in MRI? Hyperintense in DWI, Hypointense in ADC
  15. Biconvex lesion on CT - Extradural hematoma
  16. Wrong about tension pneumothorax - Contralateral widening of intercostal spaces
  17. Which is true about stochastic effect? has a linear proportion with radiation dose

## Family Medicine

1. Patient in bad situation coming to the hospital needing surgery, what will the patient ask?  
Whats wrong with me
2. In case patient is seductive - call the nurse
3. Bulimia nervosa not characteristic: metabolic acidosis OR (patient will be very low on weight)
4. Non significant in 70 year old? S4 Sound
5. DM patient going for TKR WHAT TO DO? HBA1C, DO NOTHING. X ray???
6. \*\*

7. Difficult patient requesting unnecessary test, how to manage? Explain the benefits and risks

8. Anxiety - volvulus - malignancy

9. Patient having headache then searched google and came to you to look for temporal arteritis - what to do as a doctor? Tell him not to search google for symptoms.

10. Not considered as non verbal communication? Reflection on the patient question or sth..

11. Patient is 70 years old, he took pneumococcal vaccine for the first time before 7 years.. he came to ask if he should take another shot, what is true? A. Don't give anymore shots B. Give another shot and never give shots again (not sure about the answer

12. \*

13. Most likely to benefit from colonoscopy??

A- 78 yo with alzheimer

B- 77 yo healthy no previous colonoscopy

C- 80 yo who had colonoscopy done 10 years ago

D- 75 yo female with HF

E- 51 yo female with metastatic breast CA and on chemo

(I guess B but Not sure)

14. Wrong about asthma ? Less common in people having history for eczema (or atopy)

15. A friend wanted antidepressants without documentation? "I know it's hard on you but I don't think it's best for a friend to do that" ( something like that)

16. Patient with DM, developed high blood pressure readings for months, best drug? ACEI

17. Best describes counseling?

a. Empathy and compassion

b. Helping patients help themselves by increasing their self awareness

answer: B

18. How to deal with a child as a doctor? Play with him and talk to him in language he understands..

19. Wrong about a breast mass (I can't remember the Q):

a. 1/4 of patients between 30 and 50

b. cystic / solid masses can be differentiated by exam

c. Do US and aspiration

d. risk factors

e. mostly fibrocystic changes

answer:

20. You were treating this patient's headache for 2 years now, now he is concerned that he might have brain cancer and asked you to refer him to a neurologist:

- a. tell him that you have done all the assessments and the patient doesn't need referral
- b. Emphasize on the patient's signs, symptoms and the physical exam .... then try to convince him that at this point there is no need for referral

answer: B

21. 27-year-old lady preparing for pregnancy ( BMI= overweight, hba1c 5.6 ..... ) : I can't remember but it's something about lifestyle modification before conceiving

22. Tertiary prevention:

- a. smoking cessation counselling for a patient with COPD ?
- b. Erythromycin eye drops for a neonate

mostly a

23. Patient diagnosed with schizophrenia since 15 years, takes his medication daily , this is :

- a. primary prevention
- b. secondary prevention
- c. tertiary prevention
- d. health promotion

answer: c

24. Full medical history for 67-year-old woman, screening, all except :

- a. dxa
- b. mammogram
- c. flexible sigmoidoscopy
- d. pft

answer: d

25. Old patient , abdominal pain for 1 month, anorexia and weight loss, ddx:

- a. (anxiety, volvulus, malignancy)
- B. (biliary something, ... , ..... , malignancy)

26. Medical student:

Anxiety - anemia - thyroid

27. A doctor was told by his assistant that the next patient is a drug abuser, then the doctor got angry and started shouting and saying that all drug abusers are the same and they never want to get better, what is the doctor doing?

- a. Transference

b. Counter transference

c. Projection

answer B

28. patient and her husband say that they are excited that the lady got pregnant but she is staring at her hands and sighing loudly, the lady most likely is?

a. happy to get pregnant but afraid from labor (probably not the answer)

b. her verbal and nonverbal behavior is not congruent

answer: B

29. wrong: Novelty is Common , memorable conditions

30. Sensitivity question from past papers

31.

32.

### Forensic & Toxicology

1. Carbamate: clear airway then give o2

2. Putrefaction - same or 2 or 4 or 6 times in air than in earth (some say 4, others say 8 we are not sure)

3. Cannabis from stiviana plant

4. About CO poisoning:: Lack of Cyanosis can be explained easily

5. Kevorkian sign - segmentation of artery

6. Characteristic in child abuse (shaking baby) subdural hematoma

7. true about charcoal? - A. decrease effectiveness in ionized toxins B. works well with high molecular weight toxins c. Effective as universal antidote (not sure)

8. Q about nomogram function from Past papers.. to guide antidote therapy

9. Stellate lesion? Fire arm contact against bony surface

10. Blunt trauma that cause lesion looking like incised wound? Location in the forehead (because it's against flat bone, other choices were not against flat bone)

11. Used to reverse organophosphate muscarinic effect on AChE:

A. Pralidoxime

B. Atropine

mostly B

12. Which's true about heroin?

It produces physical dependence

13. Which of the following findings will establish that the burns were antemortem in nature:

Carboxyhemoglobin and soot particles

14. From the book: Postmortem calorificity may be seen in all the following causes of death, except:

A. Septicemia

B. Barbiturates poisoning

C. Strychnine poisoning

D. Tetanus

answer B

15. Electrocution (wrong): Dry skin has reduced resistance

16. Disulfiram reaction? Metronidazole + ethanol

17.

### Emergency Medicine

1. V tach unstable defibrillation

2. Flail chest 100% O2

3. FAST for hemoperitoneum

4. Door to balloon optimal time? 90 mins

5. ECG mobitz 2

6. v3 v4 anterior

7. I avL v5 v6 lateral MI

8. ECG with II III avF ST elevation - inferior MI

9. ECG showing mobitz 2, management? Transcutaneous pacing

10. Rate of compression in peds (1 rescuer)? 30:2 Not 15:2

11. Unstable v fib, we did defibrillation, after that he developed 3rd degree heart block, what to do? Transcutaneous pacing

12. ECG showing A. Fib

13. best treatment for symptomatic bradycardia - atropine

14. best treatment to survive cardiac arrest - defibrillation

15. In an unresponsive patient, you should check the carotid pulse for no more than \_\_\_ seconds : 10 seconds

16.

17.

## Dermatology

1. Type 4 hypersensitive for allergic contact dermatitis
2. Wrong: Psoriasis is Autosomal receive
3. Wrong: Systematic steroid given in chronic psoriasis
4. Acanthosis nigricans is velvet plaque in folds and creases
5. Macule is <1cm flat
6. Erythema nodosum mc cause? Strep
7. Scabies treatment is topical permethrin.
8. Onychomycosis treatment? Systemic antifungal
9. BCC IS PEARLY AND TRANSLUCENT Nodule
10. Wrong: tinea versicolor rarely recurs
11. Auspitz sign seen in? Psoriasis
12. What is not seen in psoriasis? Bullous lesions
13. Wrong: neonatal lupus transform to SLE in 20% of cases
14. Herald patch is seen in? Pityriasis rosea
15. Urticaria, which is wrong: Oral steroids are first line treatment
16. Slapped cheek disease cause? Erythema infectiosum (parvovirus)
17. A neighbor asks your advice about oral isotretinoin for her severe acne. One of the following is incorrect:
  - a. Increased triglycerides is a common side effect
  - b. The cumulative therapeutic dose varies from one person to another usually depending on their weight
  - c. Blood test must be done prior to initialization of treatment
  - d. All patients will experience some degree of lip dryness
  - e. She should not get pregnant for one year after treatment as it is teratogenic

Answer: E