

1. In 2023, the WHO emphasized combating antimicrobial resistance (AMR). Which advanced diagnostic approach was highlighted to minimize inappropriate antibiotic use?
- a) Rapid CRISPR-based testing
 - b) AI-driven diagnostic algorithms
 - c) Real-time genomic sequencing
 - d) Point-of-care PCR tests

Answer: c) Real-time genomic sequencing

2. Which viral infection saw a resurgence in 2024 due to global vaccine supply disruptions, sparking public health concerns?
- a) Polio
 - b) Measles
 - c) Hepatitis B
 - d) Mumps

Answer: b) Measles

3. A resurgence of which hormone precipitates puberty?
- A. Estrogen
 - B. Testosterone
 - C. Gonadotropin-Releasing Hormone (GnRH)
 - D. Progesterone

Answer: C. Gonadotropin-Releasing Hormone (GnRH)

4. What initiative in 2024 focused on improving access to life-saving drugs for rare diseases?
- a) Global Orphan Drug Access Network
 - b) Rare Disease Equity Program
 - c) Universal Rare Medicine Framework
 - d) LifeRx Equity Initiative

Answer: a) Global Orphan Drug Access Network

5. What does the “O” of the blood group O stand for?
- A. Origin
 - B. Ohne
 - C. One

D. Omnipresent

Answer: B. Ohne

6. Which year did KERALA chapter of AFPI host the FMPC?

A. 2016

B. 2017

C. 2018

D. 2019

Answer: A. 2017

7. Feeling a plastic blood bag gave a surgeon the idea for what cosmetic procedure?

A. Liposuction

B. Breast implants

C. Botox injections

D. Dermal fillers

Answer: B. Breast implants

8. A 67-year-old male presents for a routine visit. He underwent basic laboratory work prior to the visit. He is feeling well and does not have any concerns or symptoms. His blood pressure is 127/76 mm Hg, his heart rate is 64 beats/min, and he is afebrile. A comprehensive metabolic panel is unremarkable. A CBC shows the following results:

WBCs-7500/mm³ (N 4100–10,900)

RBCs -4.05 million/mm³ (N 4.70–6.10)

Hemoglobin -12.9 g/dL (N 14.0–18.0)

Hematocrit -39% (N 42–52)

Mean corpuscular volume -82 m³ (N 80–95)

Platelets-197,000/mm³ (N 130,000–448,000)

Which one of the following would be the most appropriate next step in the workup of this patient?

A) A serum ferritin level

B) A serum transferrin receptor–ferritin index

C) Oral iron supplementation, and a repeat CBC in 4 weeks

D) A serum iron level

Answer: A

9. Which part of the body was first X-rayed in 1895?
- A. Skull
 - B. B. Hand
 - C. Chest
 - D. Spine

Answer: B. Hand

10. In *The Good Doctor* TV series, what condition does the main character, Dr. Shaun Murphy, have that makes his approach to medicine unique?
- A. Dyslexia
 - B. Autism spectrum disorder
 - C. Schizophrenia
 - D. ADHD

Answer: B. Autism spectrum disorder

11. Lymphadenopathy is associated with the highest risk of malignancy in which one of the following locations?
- A) Axillary
 - B) Inguinal
 - C) Posterior cervical
 - D) Preauricular
 - E) Supraclavicular

Answer: E

12. Earkeckers is an outdated term for which part of the body?
- A. Tonsils
 - B. Ear lobes
 - C. Throat
 - D. Wisdom teeth

Answer: A. Tonsils

13. What is a "banana bag" commonly used for in medical settings?
- A. A nutritional supplement for infants

- B.** A saline solution infused with vitamins and electrolytes
- C.** A portable dialysis machine for kidney patients
- D.** A storage bag for transporting blood samples

Answer: B. A saline solution infused with vitamins and electrolytes

14. What new guideline was introduced in the WHO's 2023 report on obesity management for primary care?

- A.** Use of GLP-1 receptor agonists for first-line treatment
- B.** Routine assessment of visceral fat using ultrasound
- C.** Introduction of behavior-first therapeutic models
- D.** Reduction in BMI thresholds for obesity diagnosis

Answer: a) Use of GLP-1 receptor agonists for first-line treatment

15. What new vaccine received global acclaim in 2024 for preventing bacterial meningitis in sub-Saharan Africa?

- A.** MenQuadfi
- B.** MenAfriVac
- C.** Bexsero
- D.** MenABCWY



Answer: b) MenAfriVac

16. At what age do babies start shedding tears?

- A.** At birth
- B.** 2-3 weeks
- C.** 1-2 months
- D.** 3-4 months

Answer: C. 1-2 months

17. Which advanced AI tool approved in 2024 assists family physicians in early detection of diabetic retinopathy through non-invasive imaging?

- A. IDx-DR
- B. DeepHealth-Vision
- C. EyeSense AI
- D. RetinoScan Pro

Answer: IDx-DR

18. When and where was the first Kerala state conference of Family Medicine conducted?

- A. 2012, Kochi
- B. 2014, Thrissur
- C. 2015, Kozhikode
- D. 2016, Thiruvananthapuram

Answer: C. 2015, Kozhikode

19. Which one of the following calculated values is most useful for evaluating the effectiveness of a clinical intervention?

- A) Number needed to treat
- B) Relative risk reduction
- C) Specificity
- D) 95% confidence interval
- E) P-value

Answer: A) Number needed to treat

20. You are administering a mental status examination to a 92-year-old male with suspected dementia. You give the patient a pencil and ask him to show how it is used. He gives you a bewildered look and eventually puts the pencil in his mouth and demonstrates using it as a toothbrush. This task assesses

- A) executive functioning
- B) gnosis
- C) orientation
- D) praxis
- E) visuospatial proficiency

Answer: D