

Pioneering Medical Milestones

Medicine · Answer Key · 15 Questions

1. Who is credited with performing the first successful human-to-human blood transfusion in 1818?

- A) James Blundell**
- B) Karl Landsteiner
- C) William Harvey
- D) Richard Lower

2. In 1895, Wilhelm Röntgen discovered X-rays; what was the subject of the very first medical X-ray image?

- A) His own skull
- B) His wife's hand**
- C) A fractured femur
- D) A bullet lodged in a chest

3. Which surgeon is historically credited with the first successful human heart transplant in 1967?

- A) Norman Shumway
- B) Christiaan Barnard**
- C) James Hardy
- D) Christian Cabrol

4. What was the first antibiotic to be discovered and mass-produced, marking the beginning of the 'antibiotic era'?

- A) Streptomycin
- B) Penicillin**
- C) Sulfonamide
- D) Tetracycline

5. Who successfully performed the first human appendectomy in 1735?

- A) Claudius Amyand**
- B) John Hunter
- C) Ephraim McDowell
- D) Robert Liston

6. Which scientist discovered the role of Vitamin C in preventing scurvy in 1747, conducting one of the first controlled clinical trials?

- A) Louis Pasteur
- B) James Lind**
- C) Joseph Lister
- D) Ignaz Semmelweis

7. The first successful use of general anaesthesia in a public surgery demonstration (ether) took place at Massachusetts General Hospital in which year?

- A) 1842
- B) 1846**
- C) 1867
- D) 1884

8. Who developed the first effective vaccine against polio, which was released for public use in 1955?

- A) Albert Sabin
- B) Jonas Salk**
- C) Hilary Koprowski
- D) Louis Pasteur

9. In 1867, who pioneered the use of carbolic acid as an antiseptic in surgery, drastically reducing post-operative infections?

- A) Robert Koch
- B) Joseph Lister**
- C) Florence Nightingale
- D) Paul Ehrlich

10. Which medical device, invented by René Laennec in 1816, significantly advanced diagnostic medicine?

- A) Electrocardiograph
- B) Stethoscope**
- C) Sphygmomanometer
- D) Ophthalmoscope

11. Who is recognized for discovering that handwashing significantly reduced puerperal fever mortality rates in the 1840s?

- A) Louis Pasteur
- B) Ignaz Semmelweis**
- C) Robert Koch
- D) John Snow

12. What was the first disease to be officially eradicated by human intervention, as declared by the WHO in 1980?

A) Smallpox

B) Polio

C) Rinderpest

D) Measles

13. The first human nerve transplant was successfully performed in 1906 by which surgeon?

A) Alexis Carrel

B) Harvey Cushing

C) Walter Dandy

D) William Halsted

14. In 1921, what major diagnostic medical imaging technique was first used on a patient by Arved Barsow?

A) Ultrasound

B) Computed Tomography

C) Magnetic Resonance Imaging

D) Positron Emission Tomography

15. Who identified the causative agent of cholera, *Vibrio cholerae*, in 1883?

A) Robert Koch

B) John Snow

C) Louis Pasteur

D) Joseph Lister