

Okay, here are 50 multiple-choice questions (MCQs) based on the provided text from "Gale Encyclopedia of Medicine, Second Edition":

Question: Which of the following imaging techniques does NOT employ ionizing radiation?

- A) Computed Tomography (CT) scan
- B) X-ray
- C) Abdominal Ultrasound
- D) Fluoroscopy

Correct Answer: C) Abdominal Ultrasound

Question: What is the approximate frequency range typically used in abdominal ultrasound imaging?

- A) 20-50 kHz
- B) 1-10 kHz
- C) 2-5 MHz
- D) 10-20 MHz

Correct Answer: C) 2-5 MHz

Question: A bulging weak spot in the abdominal aorta is best described as:

- A) Calculus
- B) Pancreatitis
- C) Abdominal aortic aneurysm
- D) Cirrhosis

Correct Answer: C) Abdominal aortic aneurysm

Question: In ultrasound technology, the _____ both produces sound waves and receives reflected echoes.

- A) Computer
- B) Analyzer

C) Transducer

D) Receiver

Correct Answer: C) Transducer

Question: After a surgical repair, which of the following is considered a potential risk?

A) Abdominal wall defects

B) Viscera

C) Accessory organ

D) Increased pressure in the stretched abdomen

Correct Answer: D) Increased pressure in the stretched abdomen

Question: What is the most common germ involved in carbuncles and boils?

A) Lactobacillus acidophilus

B) Enterobacteria

C) Klebsiella pneumoniae

D) Staphylococcus aureus

Correct Answer: D) Staphylococcus aureus

Question: What does D&X stand for?

A) Delivery and Extraction

B) Dilation and Examination

C) Dilation and Extraction

D) Diagnosis and Exclusion

Correct Answer: C) Dilation and Extraction

Question: What medical procedure is used to prepare the cervix for a D&X?

A) C-section

B) Laminaria

C) Chemotherapy

D) Biopsy

Correct Answer: B) Laminaria

Question: How does Plan B reduce the risk of pregnancy?

A) By killing sperm

B) By physically blocking sperm from reaching the egg

C) By blocking implantation of a fertilized egg

D) By stimulating uterine contractions

Correct Answer: C) By blocking implantation of a fertilized egg

Question: The term "selective reduction" is typically used when referring to which type of situation?

A) A planned abortion due to fetal abnormalities

B) A spontaneous miscarriage

C) Reduction of a multi-fetal pregnancy

D) An ectopic pregnancy

Correct Answer: C) Reduction of a multi-fetal pregnancy

Question: What percentage of women who undergo a selective reduction miscarry one or more of the remaining fetuses?

A) 1-2%

B) 4-5%

C) 10-12%

D) 20-25%

Correct Answer: B) 4-5%

Question: The gestational age is used in determining the stage of what?

A) Selective reduction

- B) First-trimester abortion
- C) Post-abortion genetic counseling
- D) IVF treatments

Correct Answer: B) First-trimester abortion

Question: What is one of the complications resulting from abortions?

- A) High-risk for future pregnancy
- B) The fetus is born with genetic impairment
- C) A tear in the cervix
- D) Viable twins

Correct Answer: C) A tear in the cervix

Question: What is NOT a cause of jaundice?

- A) Cancer
- B) Gall stones
- C) Holistic Medicine
- D) Blocked liver

Correct Answer: C) Holistic Medicine

Question: What does pus primarily consist of?

- A) Hormones
- B) Bacteria
- C) Minerals
- D) Recycled enzymes

Correct Answer: B) Bacteria

Question: Which of the following is a potential medical application of ultrasound technology?

- A) Stimulating bone growth

- B) Identifying malignant tumors
- C) Repairing torn ligaments
- D) Curing gallstones

Correct Answer: B) Identifying malignant tumors

Question: The value of ultrasound imaging depends on what factors?

- A) Quality of equipment and skill of operator
- B) Patient's body type
- C) Amount of bowel gas
- D) All of the above

Correct Answer: D) All of the above

Question: Physical and sexual violence often occur at the same time. What is the purpose of physical and sexual violence?

- A) Hurt, dominate, and debase the victim
- B) To become sexually aroused
- C) For the perpetrator to have someone to control
- D) All of the above

Correct Answer: A) Hurt, dominate, and debase the victim

Question: A major effect of multi-fetal pregnancy is:

- A) It is medically unnecessary to do selective reduction
- B) Selective reduction should not occur because it violates ethical concerns
- C) An increased rate of complications during pregnancy
- D) The fetus born is healthier

Correct Answer: C) An increased rate of complications during pregnancy

Question: People who are Rh negative should be given _____ after an abortion to prevent blood

incompatibilities in future pregnancies.

- A) Antibiotics
- B) Human Rh immune globulin (RhoGAM)
- C) Hormones
- D) All of the above

Correct Answer: B) Human Rh immune globulin (RhoGAM)

Question: Which of the following is NOT a step one can take to minimize acne flare-ups?

- A) Avoid abrasive cleansers
- B) Use noncomedogenic makeup
- C) Use hair spray
- D) Shampoo often

Correct Answer: C) Use hair spray

Question: Which of the following is a typical symptom of second trimester abortions?

- A) Contractions
- B) Bleeding
- C) Cervix contractions
- D) Endometriosis

Correct Answer: A) Contractions

Question: An acoustic neuroma that arises from one nerve is described as:

- A) Malignant
- B) Bilateral
- C) Unilateral
- D) Benign

Correct Answer: C) Unilateral

Question: Which hereditary condition is associated with an increased risk of bilateral acoustic neuromas?

- A) Osteomyelitis
- B) Neurofibromatosis type 2 (NF2)
- C) Septicemia
- D) Aneurysm

Correct Answer: B) Neurofibromatosis type 2 (NF2)

Question: What are possible symptoms associated with a large acoustic neuroma that impacts the brain stem?

- A) Headaches
- B) Walking difficulties
- C) Involuntary shaking movements of the muscles
- D) All of the above

Correct Answer: D) All of the above

Question: Which is NOT a main clinical symptom for acrocyanosis?

- A) Persistently blue hands
- B) Persistently blue feet
- C) Persistently sweaty hands
- D) Pain

Correct Answer: D) Pain

Question: What causes D&X fetal death?

- A) Cervix dilation
- B) Collapse of the fetal head
- C) Suction
- D) Puncture of the fetal head

Correct Answer: B) Collapse of the fetal head

Question: During an abortion, which stage of pregnancy does effectiveness of medical abortions decreases?

- A) In the second trimester
- B) At 14-weeks into the last cycle
- C) After the seventh week
- D) After the last observation period

Correct Answer: C) After the seventh week

Question: What is a symptom for an individual with multi-fetal pregnancy undergoing a selective abortion?

- A) It is typically a safe procedure
- B) The individual must be in stable emotional standing
- C) Continued counseling should be sought
- D) It is only a minor surgery, not invasive

Correct Answer: C) Continued counseling should be sought

Question: People with achondroplasia have a very high risk of serious and repeated _____ which can result in hearing loss.

- A) Skin lesions
- B) Middle ear infections
- C) Spinal canal
- D) Broken limbs

Correct Answer: B) Middle ear infections

Question: True or False: People with achondroplasia have reproductive disabilities.

- A) True

B) False

Correct Answer: B) False

Question: What does the term "achalasia" literally mean?

A) Motionless

B) Paralysis

C) Failure to relax

D) Progressive worsening

Correct Answer: C) Failure to relax

Question: What part of the internal female anatomy carries eggs from the ovaries to the uterus?

A) Small intestine

B) Fallopian tubes

C) Pancreas

D) Liver

Correct Answer: B) Fallopian tubes

Question: What does holistic medicine emphasize?

A) Maintaining good health

B) Eliminating the disease

C) Connection between mind and body

D) Both A and C

Correct Answer: D) Both A and C

Question: The two different medications used to bring about medical abortions work to end a pregnancy. What are they?

A) laminaria and saline

B) Progesterone and saline

C) mifepristone and methotrexate

D) misoprostol and methotrexate

Correct Answer: D) misoprostol and methotrexate

Question: What is the name of the product when a women uses birth control pills for emergency contraception?

A) Tylenol

B) Advil

C) A brand name birth control pill

D) Prenven

Correct Answer: D) Prenven

Question: What is the estimated cost of basic ultrasound equipment?

A) \$150,000

B) \$500

C) \$50,000

D) \$5,000

Correct Answer: D) \$5,000

Question: What is the mechanical nature of ultrasonic waves?

A) Shock waves

B) Radiation waves

C) Linear waves

D) Stationary waves

Correct Answer: A) Shock waves

Question: What is the term used to describe the inability to recognize pitch?

A) Hypertension

- B) Aphasia
- C) Frequency
- D) Morphology

Correct Answer: C) Frequency

Question: What is the term that refers to the size, shape and structure of a given organ?

- A) Morphology
- B) Size ratio
- C) Frequency
- D) Design

Correct Answer: A) Morphology

Question: All of the following are associated with selective abortion EXCEPT:

- A) It is used for health concerns
- B) It is used to control a gender preference
- C) It occurs far less than non-selective reduction
- D) It is commonly associated with multi-fetal pregnancy

Correct Answer: C) It occurs far less than non-selective reduction

Question: Which is a function of the sebaceous gland?

- A) To absorb oil
- B) To produce oil
- C) To connect pores
- D) To cause tissue damage

Correct Answer: B) To produce oil

Question: What is NOT an advantage of a medical abortion?

- A) Administered through drugs

- B) No surgical tools are used
- C) Required anesthesia
- D) Resembles a natural miscarriage

Correct Answer: C) Required anesthesia

Question: Vacuum aspiration is also called what?

- A) D&E
- B) RU-486
- C) The morning after pill
- D) Selective reduction

Correct Answer: A) D&E

Question: Therapeutic value of ultrasound lies in their _____.

- A) Chemical nature
- B) Color
- C) Mechanical nature
- D) Soft tissue

Correct Answer: C) Mechanical nature

Question: Which birth defect is described as follows: the stomach and intestines begin development outside the baby's abdomen, and only later does the abdominal wall enclose them.

- A) Partial birth abortion
- B) Selective abortion
- C) Abdominal wall defects
- D) Spontaneous abortion

Correct Answer: C) Abdominal wall defects

Question: In cases of Abdominal Wall Defects, the surgical procedure is not complicated unless

there are which of the following?

- A) Organs misplaced
- B) Other anomalies
- C) Extra weight
- D) A large hernia

Correct Answer: B) Other anomalies

Question: Which treatment for achalasia helps to provide relief for about two-thirds of patients for as long as two years?

- A) Holistic
- B) Holistic medicine
- C) Drug therapy
- D) Surgical therapy

Correct Answer: C) Drug therapy

Question: In an A-mode ultrasound, what happens with the echoes?

A) A single transducer scans a line through the body with the echoes plotted on screen as a function of depth.

B) A linear array of transducers simultaneously scans a plane through the body that can be viewed as a two-dimensional image on screen.

C) A rapid sequence of B-mode scans whose images follow each other in sequence on screen enables doctors to see and measure range of motion, as the organ boundaries that produce reflections move relative to the probe.

D) Doppler ultrasonography includes the capability of accurately measuring velocities of moving material, such as blood in arteries and veins.

Correct Answer: A) A single transducer scans a line through the body with the echoes plotted on screen as a function of depth.

Question: What does it mean to refer to something as 'Pyogenic'?

- A) capable of generating pus
- B) is the opposite of malignant
- C) A chronic liver disease
- D) a hard concretion in the body

Correct Answer: A) capable of generating pus

Question: What is the study of the form of an organ called?

- A) Holistics
- B) Frequency
- C) Morphology
- D) Design

Correct Answer: A) Morphology

Question: What medical condition means growing worse and resisiting treatment?

- A) Malignant
- B) Benign
- C) Chronic
- D) Morbid

Correct Answer: A) Malignant

Question: What percent of women have at least one abortion by the time they reach age 45?

- A) almost 50%
- B) almost 30%
- C) almost 25%
- D) almost 20%

Correct Answer: A) almost 50%