



## *CE Credit Package 10A*

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# *Table of Contents CE*

## *Credit Package 10 A*



**Repeat Cesarean Section**

**Off-pump Coronary Artery Bypass Grafting**

**Sterilization – Killing the Prehistoric Beast**

**When Unexpected Complications Arise During Surgery**

**Blood Pressure**

**Safety Concepts in the Surgical Setting**

**Necrotizing Fasciitis**

**Treatment of War Casualties**

**Wrist Fusion: Fighting Back Against Rheumatoid Arthritis**

**Disasters Follow No Rules: Preparing Your Hospital for Disaster Response**

**Challenging and Changing the Experience of Pain: Acute Pain Management in the Perioperative Setting in Patients with a Substance Abuse History**

**Gangrene: Recognizing and Treating Cellular Necrosis**



# CE Exams

## Repeat Cesarean Section

- When should the field be cleared of sharp and metal objects?**
  - Before the delivery
  - Prior to uterine incision
  - After the shoulders are delivered
  - After the umbilical cord is clamped
- The uterus was palpated to determine \_\_\_\_.**
  - Fetal distress
  - Abnormal uterine action
  - Fetal position
  - Location of umbilical cord
- The \_\_ count is performed \_\_\_\_.**
  - 4<sup>th</sup>, after the skin is closed
  - 2<sup>nd</sup>, before the uterus is palpated
  - 1<sup>st</sup>, after the initial skin incision
  - 3<sup>rd</sup>, while the peritoneum is closed
- Cord blood gas was \_\_\_\_.**
  - Drawn prior to clamping umbilical cord
  - Sent to pathology for analysis
  - Collected by the neonatal nurse
  - None of the above
- Which of the following is incorrect for this problem?**
  - Bulb syringe, one per infant
  - Core blood vial, one per infant
  - Cord clamp, one per infant
  - Both a. and c.
- The uterine incision was \_\_\_\_.**
  - Carried bilaterally with Lister bandage Scissors
  - Closed in one layers
  - Followed by oxytocin injection
  - Closed prior to cord blood collection
- Indications for cesarean section include:**
  - Diabetes mellitus
  - Placenta previa
  - Ovarian tumors
  - All of the above
- The neonate presented with \_\_\_\_.**
  - Abnormal heart rate
  - Umbilical cord prolapse
  - Breech presentation -footling
  - Dystocia
- The bolster under the patient's right hip reduced pressure on the:**
  - Vena cava
  - Uterus
  - Umbilical cord
  - Femoral artery
- In the final stages of a cesarean section, oxytocin may be administered to \_\_\_\_.**
  - Stimulate lactation
  - Control uterine hemorrhage
  - Decrease postpartum bleeding
  - Prevent uterine rupture

## Off-pump Coronary Artery Bypass Grafting

- 1. The first OPCAB was performed in**
  - a. 1954
  - b. 1967
  - c. 1973
  - d. 1995
- 2. What are the main branches of the left main trunk**
  - a. RIMA AND LIMA
  - b. RCA AND PDA
  - c. LAD and left circumflex
  - d. Diagonal and obtuse marginal
- 3. All of the following are risks of conventional CABG except:**
  - a. Systemic Inflammatory Response
  - b. Aortic dissection
  - c. Embolism
  - d. Shorten hospital stay
- 4. OPCAB is beneficial to all of the following except:**
  - a. Jehovah's Witness
  - b. Prone to CVAs
  - c. Need valve replacement
  - d. Heavily calcified aortas.
- 5. The chest incision for OPCAB is called?**
  - a. Midline
  - b. Median sternotomy
  - c. Subxyphoid
  - d. Femoral
- 6. Anesthesia delivers the following drugs for OPCAB except:**
  - a. Milrinone
  - b. Heparin
  - c. Albumin
  - d. Plavix
- 7. The XPOSE device is set at what pressure?**
  - a. 350 mmHg
  - b. 500 mmHg
  - c. 50 mmHg
  - d. 150 mmHg
- 8. Which of the following is not a conduit used in OPCAB?**
  - a. LIMA
  - b. Saphenous vein graft
  - c. Temporal artery graft
  - d. RIMA
- 9. All of these items are placed prior to sternal closure except:**
  - a. Vascular bulldog
  - b. Temporary pacing wires
  - c. Mediastinal chest tube
  - d. Pleural chest tube
- 10. Postoperative arrhythmias can be treated by all of the following except:**
  - a. Cardioversion
  - b. Temporary pacemaker
  - c. Intraaortic balloon pump
  - d. Intravenous medication

## Sterilization – Killing the Prehistoric Beast

- 1. What is the minimum time needed to flash sterilize a crile clamp in a gravity displacement sterilizer?**
  - a. 15 min
  - b. 10 min
  - c. 4 min
  - d. 3 min
- 2. What does a chemical indicator measure?**
  - a. Removal of residual air
  - b. Exposure to the sterilization process
  - c. Sterility
  - d. Steam pressure
- 3. Which Blood biological indicator is used in a gravity displacement autoclave?**
  - a. Chemical indicator
  - b. Bowie-Dick
  - c. Blue Lid rapid readout
  - d. Brown Lid rapid readout
- 4. What is the minimum time needed to sterilize a Frazier suction tip in a pre-vac sterilizer?**
  - a. 15 min
  - b. 10 min
  - c. 4 min
  - d. 3 min
- 5. What is the number of minutes that a closed flash pan system should be sterilized in a gravity displacement sterilizer?**
  - a. 3
  - b. 5
  - c. 8
  - d. 10
- 6. Immediate – use sterilization was designed for \_\_\_\_.**
  - a. Quick room turnover
  - b. Instruments that were forgotten during opening
  - c. Sterilizing power equipment
  - d. Instruments that were dropped during surgery
- 7. Bacteria form spores when:**
  - a. Steam is present
  - b. In humid climates
  - c. Unfavorable conditions arise for the bacteria
  - d. Favorable conditions arise for the bacteria
- 8. Biological indicators are routinely run:**
  - a. In the morning
  - b. Daily
  - c. In every load
  - d. Once
- 9. What is the minimum temperature for flash sterilization?**
  - a. 250° F
  - b. 270° F
  - c. 272° F
  - d. 275° F
- 10. What is the purpose of running distilled water through lumens before flash sterilization?**
  - a. To irrigate the cannula
  - b. To pre-clean the lumen
  - c. To allow for steam to heat the lumen
  - d. Hospital policy

## When Unexpected Complications Arise During Surgery

1. Which ligaments hold the ovaries in place?
  - a. Suspensory
  - b. Broad
  - c. Ovarian
  - d. All of the above
2. Which unexpected surgical instrument did the surgeon request to drain the uterus?
  - a. Jackson-Pratt drain
  - b. Thoracic trocar
  - c. Gallbladder trocar
  - d. Red Robinson drain
3. \_\_\_\_ attempts were made to close the vaginal cuff by suture.
  - a. 27
  - b. 18
  - c. 23
  - d. 31
4. TAH is not indicated for which of the following?
  - a. Uterine sarcoma
  - b. Ascites
  - c. Tubal malignancy
  - d. Dysfunctional uterine bleeding
5. The round ligament terminates at the \_\_\_\_\_.
  - a. Anterior cul-de-sac
  - b. Vestibule
  - c. Labia majora
  - d. Fallopian-uterine attachment
6. Care was taken to avoid the \_\_\_\_\_ when the initial midline incision was made.
  - a. Falciform ligament
  - b. Xiphoid process
  - c. Symphysis pubis
  - d. Umbilicus
7. What size and type of suture was primarily used to control bleeding?
  - a. 1 Chromic
  - b. 2-0 Chromic
  - c. 0 Vicryl
  - d. 2-0 Vicryl
8. Estimated blood loss up to the first time the patient was transported to the ICU:
  - a. 16,000 cc
  - b. 17,000 cc
  - c. 18,000 cc
  - d. 19,000 cc
9. The triangular space at the base of the bladder is called \_\_\_\_\_.
  - a. Triakates
  - b. Trielcon
  - c. Trigone
  - d. Trilabe
10. The uterine sac was incised with \_\_\_\_\_.
  - a. Jorgenson scissors
  - b. Metzenbaum scissors
  - c. #10 KB on #3 KH
  - d. Curved Mayo scissors

# Blood Pressure

- The kidneys help regulate blood pressure by:**
  - Controlling sodium absorption
  - Providing negative feedback
  - Triggering baroreceptors
  - Providing positive feedback
- Renin is produced...**
  - During a hypotensive episode
  - By the juxtaglomerular apparatus of the kidneys
  - By the liver
  - To decrease cardiac output
- Secondary hypertension may occur with:**
  - Toxemia during pregnancy
  - Vascular and kidney diseases
  - Diabetes
  - All of the above
- \_\_\_\_\_ is/are not a suspected cause of essential hypertension.**
  - Sodium intake
  - Beta blockers
  - Obesity
  - Sedentary lifestyle
- Diastolic pressure is measured during \_\_\_\_ of Korotkoff's sounds.**
  - Phase II
  - Phase III
  - Phase IV
  - Phase V
- \_\_\_\_\_ hypertension cannot be attributed to any specific cause.**
  - Genetic
  - Arterial
  - Essential
  - Secondary
- Systolic pressure is heard during \_\_\_\_ of Korotkoff's sounds.**
  - Phase I
  - Phase II
  - Phase III
  - Phase IV
- Following the release of \_\_\_\_\_, sodium reabsorption \_\_\_\_ in the kidneys.**
  - Angiotensinogen; decreases
  - Aldosterone; increases
  - Angiotensin II; decreases
  - Epinephrine; increases
- A patient who experiences orthostatic hypotension was likely:**
  - Hunched over
  - Standing
  - Lying down
  - Sitting with legs crossed
- Angiotensin II causes:**
  - Decreased fluid reabsorption
  - Renin production in the liver
  - Vasodilation
  - Increased cardiac output

## Safety Concepts in the Surgical Setting

1. **When the patient is moving between two surfaces:**
  - a. Three people should be available, one on each side and one at the head
  - b. Four people should be available, two on each side
  - c. Two people should be available, one on each side
  - d. Five people should be available, two on each side, one at the head, one at the foot
2. **Abduction of the upper extremities greater than 90 degrees can lead to:**
  - a. Decreased blood flow
  - b. Brachial plexus palsy
  - c. Skin Breakdown
  - d. Gangrene
3. **The application of force greater than tissue resistance can cause:**
  - a. Ischemia
  - b. Necrosis
  - c. Gangrene
  - d. All of the above
4. **Common pressure points are:**
  - a. Ear, nose, toe
  - b. Elbow, pelvis, head
  - c. Ear, nose, chin
  - d. Elbow, pelvis, back
5. **The force created on skin by the movement of underlying tissues results in**
  - a. Decreased blood flow
  - b. Hyperextension
  - c. Skin irritation
  - d. Contact dermatitis
6. **Thermal tissue injury can result from:**
  - a. Shear force
  - b. Fiberoptic light sources
  - c. Neurovascular compromise
  - d. Class 1 lasers
7. **When using electrosurgery, what must be applied to the patient to deliver the current back to the electrosurgery unit?**
  - a. Active electrode
  - b. Patient return electrode
  - c. Electrosurgical generator
  - d. Electrical switch
8. **How is a laser similar to an endoscope?**
  - a. Both emit light
  - b. Both are dependent on photon energy
  - c. Both produce gamma rays
  - d. Both rely on sound waves
9. **A medicated patient is never left alone in order to prevent:**
  - a. Hyperextension
  - b. Dislodging of tubes and catheters
  - c. Falls
  - d. Cardiovascular complications
10. **If a team member is exposed to an infrared laser, he or she**
  - a. Feels immediate pain
  - b. Loses eyesight immediately
  - c. May hear a popping noise
  - d. Experiences photokeratitis



# Necrotizing Fasciitis

- 1. Group A hemolytic streptococcus may cause:**
  - a. Impetigo
  - b. Necrotizing fasciitis
  - c. Strep
  - d. All of the above
- 2. The effectiveness of *streptococcus pyogenes* can be attributed to:**
  - a. Colonizing and rapidly multiplying
  - b. Creating an abscess
  - c. Developing fluid-filled blisters
  - d. Secreting powerful exotoxins
- 3. Bacteroides often reside in the**
  - a. Liver
  - b. Lungs
  - c. Intestine
  - d. Mouth
- 4. Which of the following is not normally inhabited by bacterium?**
  - a. Intestine
  - b. Muscle
  - c. Mouth
  - d. Nasopharynx
- 5. Which of the following carries the highest risk for the transmission of NF?**
  - a. Diabetes
  - b. Alcoholism
  - c. Open skin wound
  - d. Cancer
- 6. Which comorbid condition carries the greatest risk for the patient to be infected by NF?**
  - a. Cancer
  - b. Alcoholism
  - c. Diabetes
  - d. all of the above
- 7. Advanced symptoms of NF include:**
  - a. Blisters increase in size
  - b. Drop in blood pressure
  - c. Peeling or discolored skin
  - d. All of the above
- 8. Doctors and patients often fail to recognize NF because it:**
  - a. Resembles the flue
  - b. NO apparent wound
  - c. Body begins to decompose
  - d. Discoloration of skin spreads
- 9. Methods of treatment utilize:**
  - a. Hyperbaric chambers
  - b. Leeches
  - c. NSAIDS
  - d. Aspirin
- 10. Death from necrotizing fasciitis is correlated to:**
  - a. How early the diagnosis is made
  - b. How soon treatment began
  - c. Gas in the subcutaneous fascial planes
  - d. a&b

## Necrotizing Fasciitis – questions Continued

11. Which of the following microbiological staining methods can be used to determine whether a type I or type II infection is present?
- Acid – FAST
  - Gram
  - Simple
  - Negative
12. Which of the following antibiotic is an alternative to penicillin G?
- methicillin.
  - benzathine.
  - amoxicillin.
  - clindamycin.
13. A common region of the body in which group A hemolytic streptococcus may be found is the.
- colon.
  - lungs.
  - skin.
  - liver.
14. The gaseous toxin of *streptococcus pyogenes* is released
- When cell death occurs due to invasion by bacteriophages.
  - From the bacterial cell wall.
  - When antitoxins invade causing cellular lysis.
  - When the cell binds to the plasma membrane of an organ.
15. Which of the following antibiotics is ineffective against *Peptostreptococcus*?
- penicillin G
  - chloramphenicol
  - metronidazole
  - ampicillin
16. Routine X-rays are not considered a reliable method for diagnosing NF because the
- Contrast media are ineffective in aiding in the diagnosis of NF.
  - Detection of gas can be due to many other factors.
  - Radiographs cannot adequately show the fascial planes.
  - Infection is superficial and will not appear on the radiographs.
17. Mechanical debridement is not often used due to
- the removal of healthy tissue
  - inadequate removal of dead tissue.
  - contributing to the spread of the bacteria to healthy tissue.
  - time inefficiency allowing spread of the bacteria.
18. \_\_\_\_ of adult reported cases of NF report toxic shock and multi-organ failure.
- 12%
  - 25%
  - 37%
  - 50%
19. Which of the following bacteria is increasingly causing NF?
- Helicobacter pylori*
  - MRSA*
  - Escherichia coli*
  - Pseudomonas aeruginosa*
20. The number of reported cases of GAS disease in the U.S. is \_\_\_\_ the number of strep throat cases.
- equal to
  - more than
  - less than
  - variable as compared to

## Treatment of War Casualties

1. Today, \_\_ percent of GIs reaching a field hospital survive the ordeal.
  - a. 69.7
  - b. 75.4
  - c. 76.4
  - d. 90.5
2. Uncontrollable hemorrhage accounts for almost \_\_ percent of combat fatalities.
  - a. 30
  - b. 40
  - c. 50
  - d. 60
3. This article compared the wounds experienced in \_\_ and \_\_.
  - a. Germany and Vietnam
  - b. Vietnam and Iraq
  - c. Iraq and Germany
  - d. Japan and North Korea
4. The surgeon began his tour of duty in Vietnam with a \_\_ orientation phase.
  - a. 1 week
  - b. 2 week
  - c. 3 week
  - d. 1 month
5. Since cause of death is still exsanguination, surgeons say \_\_ are still the single greatest life-saving device in the Iraq conflict.
  - a. Tourniquets
  - b. Stents
  - c. Montgomery straps
  - d. Stent dressing
6. The concept of the Forward Surgical Team was developed after the \_\_\_\_.
  - a. American Revolutionary War
  - b. Civil War
  - c. Gulf War
  - d. World War II
7. Primary blast injuries which cause damage mainly to gas-filled structures, such as eardrums, lungs and \_\_\_\_.
  - a. Arteries
  - b. Pancreas
  - c. Kidneys
  - d. Intestines
8. During the Vietnam War, the average length of time from initial treatment to transfer to the continental United States was \_\_ days.
  - a. 45
  - b. 46
  - c. 47
  - d. 48
9. Which tourniquet is not 100 percent effective in occluding distal arterial Doppler sound in the arms and legs?
  - a. Emergency & Military Tourniquet
  - b. Combat Application Tourniquet
  - c. Special Operations Force Tactical Tourniquet
  - d. War Applications Tourniquet
10. Intravenous treatment begins with procoagulants and whole blood, type \_\_, followed by fresh whole blood with thawed plasma instead of crystalloids.
  - a. AB+
  - b. AB-
  - c. O
  - d. B+

## Wrist Fusion: Fighting Back Against Rheumatoid Arthritis

- 1. Diagnosis of rheumatoid arthritis does not involve:**
  - a. Reviewing family history
  - b. Examining joints for inflammation and deformity
  - c. Blood tests
  - d. Stress tests
- 2. A/an \_\_\_\_\_ utilizes a sterile needle and syringe to drain joint fluid.**
  - a. Arthrocentesis
  - b. Arthroscopy
  - c. Spinal tap
  - d. Synovectomy
- 3. \_\_\_\_\_ develops during the early, acute inflammatory stage.**
  - a. Subluxation of the ulna
  - b. Intrinsic contracture
  - c. Fixed DRUJ
  - d. Bony compression
- 4. \_\_\_\_\_ bones are the long bones in the palm.**
  - a. Phalanges
  - b. Trapezium
  - c. Carpal
  - d. Metacarpal
- 5. The proximal row does not include the:**
  - a. Scaphoid
  - b. Lunate
  - c. Trapezoid
  - d. Pisiform
- 6. The \_\_\_ coordinates the movement of the distal and proximal rows.**
  - a. Radius
  - b. Scaphoid
  - c. Hamate
  - d. Carpal
- 7. Carpal bones connect the \_\_\_\_\_ and \_\_\_\_\_ to the bones in the hand.**
  - a. Capitate and trapezium
  - b. Scaphoid and pisiform
  - c. Radius and ulna
  - d. Trapezoid and lunate
- 8. Second-line drugs include all but:**
  - a. Cortisone
  - b. Methotrexate
  - c. Gold salts
  - d. Adalimumab
- 9. If the \_\_\_\_\_ is not fused, a patient will have continued rotation in the hand.**
  - a. Radius
  - b. Hamate
  - c. Ulna
  - d. Lunate
- 10. Fusing wrist bones together may:**
  - a. Prevent deformity
  - b. Eliminate pain
  - c. Improve alignment
  - d. All of the above

## Wrist Fusion: Fighting Back Against Rheumatoid Arthritis – questions cont.

11. The intraoperative phase of a wrist fusion begins with

a:

- a. Dissection down the extensor retinaculum
- b. Opening of the radiocarpal joint
- c. Dorsal, longitudinal incision over Lister tubercle
- d. Synovectomy

12. Types of NSAIDs are:

- a. Subluxation of the ulna
- b. Traditional NSAIDs
- c. Cox-2 selective inhibitors
- d. All of the above

13. Prostaglandins do all but:

- a. Promote inflammation
- b. Facilitate the function of blood platelets
- c. Protect the stomach lining
- d. Halt joint damage

14. Disease-modifying anti-rheumatic drugs are effective in

- a. Rheumatoid arthritis
- b. Psoriatic arthritis
- c. Ankylosing spondylitis
- d. All of the above

15. \_\_\_\_\_ is a hormone produced in the adrenal gland.

- a. Calcitonin
- b. Thyroxine
- c. Cortisol
- d. GnRh

16. Steroids are used to alleviate:

- a. Lupus
- b. Rheumatoid arthritis
- c. Vasculitis
- d. All of the above

17. \_\_\_\_\_ stimulate or restore the ability of the immune system to fight disease or infection.

- a. Analgesics
- b. Corticosteroids
- c. BRMs
- d. Cox-2

18. \_\_\_\_\_ block the Cox enzymes and reduce prostaglandins.

- a. Steroids
- b. Analgesics
- c. BRMs
- d. NSAIDS

19. The distal ulnar resection was performed using a/an:

- a. Oscillating saw
- b. Burr
- c. Osteotome
- d. Bone cutting forceps

20. Which of the following is not a first-line drug?

- a. Methylprednisolone acetate
- b. Cortisone
- c. Hydroxychloroquine
- d. Aspirin

# Disasters Follow No Rules: Preparing Your Hospital for Disaster Response

1. **What is the easiest way to designate a patient's status at a disaster scene?**
  - a. A simple spreadsheet
  - b. Move patients to screening areas
  - c. Triage tags
  - d. Mobile rescue units
2. **The central focus of disaster triage is:**
  - a. Stabilize patient that cannot walk
  - b. Find and tag patients that require immediate care
  - c. Providing definitive care
  - d. Stabilizing critically injured patients
3. **\_\_\_\_\_ medical care improves the casualty's condition.**
  - a. Expert
  - b. Specialized
  - c. Definitive
  - d. General
4. **Casualty collection sites should not be located:**
  - a. On hospital property
  - b. Downwind from hazards
  - c. Downhill from contaminated areas
  - d. All of the above
5. **"Decompressing" a disaster scene means:**
  - a. Evacuating patients who are consuming resources
  - b. Dismissing excess medical staff
  - c. Expanding the search parameters for survivors
  - d. Frequently re-triaging patients
6. **The \_\_\_\_\_ simplifies communication among disaster responders:**
  - a. Emergency Response System
  - b. Incident Command System
  - c. Emergency Response Network
  - d. Disaster Preparedness System
7. **Using the START method, triage evaluation should take:**
  - a. 15 seconds
  - b. 30 seconds
  - c. One minute
  - d. Up to two minutes
8. **During disaster triage, if a patient does not start breathing after simple airway maneuvers:**
  - a. Immediately move patient to secondary care facility
  - b. Tag as red/immediate and move on
  - c. Tag as black/dead and move on
  - d. Call for assistance
9. **Which scenario has the greatest casualty potential?**
  - a. A terrorist attack on a major city
  - b. A natural disaster
  - c. A nuclear power plant meltdown
  - d. A pandemic disease outbreak
10. **What was the greatest pandemic in US history?**
  - a. Spanish Flu
  - b. Avian (Bird) Flu
  - c. West Nile Virus
  - d. SARS

## Disasters Follow No Rules: Preparing Your Hospital – questions cont.

11. **What is a hospital's first response to a disaster scenario?**
  - a. Postpone all elective surgeries
  - b. Divert all EMS units not arriving from disaster scene
  - c. Place hospital under security lockdown
  - d. All of the above
  
12. **Surging in a place does not involve**
  - a. Rapidly discharge existing patients
  - b. Canceling scheduled elective procedures
  - c. Hiring more support personnel
  - d. Increasing the number of patient-care staff
  
13. **A key reason for hospitals losing money is:**
  - a. Increasing cost of energy
  - b. Underfunding of Medicare and Medicaid
  - c. High costs of updating equipment
  - d. Personnel salaries
  
14. **The National Implementation Plan does not include:**
  - a. Preparedness and communication
  - b. Initiating an emergency response alert
  - c. Surveillance and detection
  - d. Response and containment
  
15. **Natural disasters do not include:**
  - a. Hurricanes
  - b. Mine cave-ins
  - c. Floods
  - d. Earthquakes
  
16. **A Mass casualty event is defined as:**
  - a. An incident that produces a sufficient number of casualties to disrupt normal functions
  - b. An event that affects more than one million people
  - c. An occurrence that is the result of terrorism
  - d. An event that involves only facilities
  
17. **The most important mission in a disaster response scenario is:**
  - a. Communicating the location
  - b. Alerting the national guard
  - c. Triage
  - d. Alerting evacuation teams
  
18. **Disaster triage excludes:**
  - a. Providing the greatest good for the patient
  - b. Response teams prioritizing the casualties
  - c. Orderly treatment
  - d. Best use of equipment
  
19. **\_\_\_ identifies a patient who will not survive without immediate treatment.**
  - a. Black
  - b. Red
  - c. Yellow
  - d. Green
  
20. **Which triage color is used to identify “walking wounded” patients?**
  - a. Green
  - b. Yellow
  - c. White
  - d. Orange

## Disasters Follow No Rules: Preparing Your Hospital – questions cont.

21. \_\_\_\_ provides a common organizational structure and language to simplify communication.
- START method
  - Incident Command System
  - Emergency Medical Response
  - Decompressing
22. Small aircraft evacuation can be characterized by:
- Simple and generally available
  - More efficient
  - High cost and complexity
  - Removal of critical resources
23. More patients' lives can be saved through:
- Temporizing damage-control surgery
  - Definitive surgery
  - Long-lasting surgical intervention
  - Use of sophisticated technology
24. ICS is built around:
- Command/Operations
  - Planning/Logistics
  - Administration/Financial
  - All of the above
25. \_\_\_\_ is when hospitals incorporate the ICS into their emergency preparedness plans:
- Triage
  - HEICS
  - Definitive medical care
  - SARS
26. Definitive medical care is provided in:
- An existing hospital
  - Mobile facility
  - A and B
  - None of the above
27. \_\_\_\_ determines the organizational hierarchy of the ICS:
- Job titles
  - Seniority
  - Academic degree
  - Functional requirements
28. \_\_\_\_ infected 2-0-40 percent of the world's population
- SARS
  - Saran
  - Spanish Flu
  - Bubonic Plague
29. The Spanish Flu caused death by:
- Bacterial pneumonia
  - Massive hemorrhages
  - Edema in the lungs
  - All of the above
30. A pandemic outbreak can result in:
- Economic downturn
  - Mass quarantine
  - Overwhelmed medical community
  - All of the above



# Pain Management for Patients with a Substance Abuse History

- 1. Health care workers should be cautious when prescribing opioids to \_\_\_\_.**
  - a. Transplant recipients
  - b. Cardiac patients
  - c. Diabetic patients
  - d. Recovering addicts
- 2. One component of pain is \_\_\_\_.**
  - a. Physical
  - b. Pre-existing
  - c. Pain scale
  - d. Recovering addicts
- 3. The emotional components of pain include:**
  - a. Anger
  - b. Sadness
  - c. Depression
  - d. All of the above
- 4. Acute pain in postoperative surgical patients is due to:**
  - a. Emotional distress
  - b. Preexisting disease
  - c. Surgical procedure
  - d. A combination of B and C
- 5. \_\_\_\_ leads to a rise in heart rate, increased oxygen consumption and overall cardiac workload.**
  - a. Opioid prescription
  - b. Unrelieved pain
  - c. Arterial blockage
  - d. Intoxication
- 6. \_\_\_\_ is a chronic, relapsing and treatable disease characterized by lack of control over consumption and compulsive use despite harmful consequences.**
  - a. Addiction
  - b. Diabetes
  - c. Crohn's
  - d. Arthritis
- 7. The most important step in proper postoperative pain management is:**
  - a. Administration of prescription drugs
  - b. Maintaining the dopamine pathway
  - c. Proper preoperative assessment
  - d. Understanding and treating a patient's addiction
- 8. An example of a pain assessment tool is a:**
  - a. Numerical scale
  - b. Visual analog scale
  - c. Picture scale
  - d. All of the above
- 9. A patient's altered level of consciousness in the acute postoperative phase of care due to intraoperative anesthetics makes it hard to successfully administer:**
  - a. An IV drip
  - b. Oral analgesics
  - c. A pain assessment
  - d. All of the above
- 10. Physical indications of pain in the acute postoperative setting include;**
  - a. Sweating
  - b. Elevated heart rate
  - c. Trouble moving/taking deep breaths
  - d. All of the above

## **Pain Management for Patient's with a Substance Abuse History – questions cont.**

11. **One way to help ensure postoperative pain management for a patient with a history of opioid addiction is:**
- Obtain a preoperative substance abuse history
  - Consult an addictionologist
  - Administer frequent pain scale tests
  - Begin a preoperative pain management regimen
12. **Which of the following is not an alternative pain treatment?**
- Electric shock therapy
  - Local and regional anesthesia
  - Epidural blocks
  - Local pain pumps
13. **Postoperative fears for opioid-dependent patients may include:**
- Being judged by the care giver
  - Suffering a relapse into drug use
  - Not receiving enough pain medication
  - All of the above
14. **Blocking the action of cyclooxygenase and inhibiting prostaglandin production can be accomplished with:**
- Steroid treatment
  - A Clonidine patch
  - NSAID therapy
  - All of the above
15. **\_\_\_ is a synthetic narcotic used to treat opioid addiction.**
- Heroin
  - Clonidine
  - Methadone
  - Prednisone
16. **Methadone is used in the treatment of addiction to:**
- Opiates
  - Alcohol
  - Methamphetamines
  - All of the above
17. **Side effects of Methadone use include:**
- Impairs cognitive functions
  - Debilitating drowsiness
  - Liver damage
  - Methadone has no serious side effects
18. **Opiates provide a flood of \_\_\_, which causes the euphoric high associated with drug use.**
- Epinephrine
  - Dopamine
  - Endorphins
  - Morphine
19. **The preoperative assessment for a substance abuser should include:**
- The patient's drug history
  - The patient's recovery history
  - A full physical
  - All of the above
20. **Patients who take opiates in large doses have a higher \_\_\_.**
- Pain threshold
  - Drug-seeking behavior
  - Tolerance
  - B & C

## Gangrene: Recognizing and Treating Cellular Necrosis

- 1. Which is not the one of the three most common variations of gangrene?**
  - a. Gas
  - b. Dry
  - c. Internal
  - d. Wet
- 2. Fournier's gangrene affects the \_\_\_\_.**
  - a. Fingers
  - b. Genitals
  - c. Feet
  - d. Hands
- 3. The best treatment for gangrene is \_\_\_\_.**
  - a. Revascularization
  - b. Amputation
  - c. Maggot debridement therapy
  - d. Antibiotic therapy
- 4. Gangrene occurs when a body part \_\_\_\_.**
  - a. Becomes infected
  - b. Loses its blood supply
  - c. Is diseased
  - d. Loses feeling
- 5. What disease often contributes to the occurrence of dry gangrene?**
  - a. HIV
  - b. High cholesterol
  - c. Smoking
  - d. Arteriosclerosis
- 6. Symptoms of gangrene include \_\_\_\_.**
  - a. Swelling of the affected area
  - b. Discoloration of affected tissue
  - c. Decreased heart rate
  - d. All of the above
- 7. \_\_\_\_ can occur if a bacterial infection from gangrene spreads throughout the body.**
  - a. Septic shock
  - b. Necrosis
  - c. Ischemia
  - d. Decompression
- 8. The tissue becoming dry, shrunken and blackened describes \_\_\_\_ gangrene.**
  - a. Wet
  - b. Gas
  - c. Dry
  - d. Internal
- 9. Which of the following are symptomatic of wet gangrene?**
  - a. Swelling
  - b. Blistering
  - c. Pungent odor
  - d. All of the above
- 10. Burns, frostbite and wound infections can result in \_\_\_\_ gangrene.**
  - a. Wet
  - b. Gas
  - c. Dry
  - d. Internal

## Gangrene : Recognizing and Treating Cellular Necrosis - questions cont.

11. Gas gangrene should \_\_\_ be treated as a medical emergency.
- Always
  - Sometimes
  - Never
  - Depends on the patient
12. A hernia, or a twist in the gastro-intestinal tract can result in \_\_\_ gangrene
- Wet
  - Gas
  - Dry
  - Internal
13. X-ray technology can be helpful in diagnosing \_\_\_ gangrene.
- Wet
  - Gas
  - Dry
  - Internal
14. Sweating, difficulty breathing and convulsions can be signs of \_\_\_.
- Bacterial infection
  - Oxygen toxicity
  - Fournier's gangrene
  - Bacteriostasis
15. The primary function(s) of MDT is/are:
- Clean the wound
  - Disinfect the wound
  - Speed the rate of healing
  - All of above
16. \_\_\_ larvae are the preferred species for MDT.
- Horse fly
  - Greenbottle fly
  - Fruit fly
  - All of the above
17. Medical maggots are generally left in the wound for \_\_\_ days.
- 1-2
  - 2-3
  - 304
  - 4-5
18. The risks associated with MDT include:
- There are no inherent risks
  - Larvae attacking living tissues
  - Larvae burrowing into the wound and breeding
  - b and c
19. It has been reported, though unproven in clinical studies, that maggots can:
- Improve blood clotting ability
  - Stimulate the production of granulation tissue
  - Remove bacteria from the blood
  - All of the above
20. Medical grade maggots are:
- Sterile
  - Safe
  - A legitimate treatment option
  - All of above

# Answers CE CREDIT PKG 10A: 22 CONTINUING EDUCATION CREDITS

Certified Member

AST Member No: \_\_\_\_\_

Name: \_\_\_\_\_

Certification No: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ Email: \_\_\_\_\_

## CE Credit PKG 10A: 22 CONTINUING EDUCATION CREDITS

The fee is \$37. This package is only available to AST & ASA members.

Check Enclosed Yes, I want to pay by Credit Card:  Visa  MasterCard  AmEx

Card# \_\_\_\_\_ Expiration Date \_\_\_\_\_ Signature \_\_\_\_\_

### Repeat Cesarean Section

a	b	c	d	a	b	c	d		
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mark one box next to each number. Only one correct or best answer will be selected for each question.
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
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### Off- pump Coronary Artery Bypass Grafting

a	b	c	d	a	b	c	d		
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mark one box next to each number. Only one correct or best answer will be selected for each question.
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

### Sterilization – Killing Prehistoric Beast

a	b	c	d	a	b	c	d		
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mark one box next to each number. Only one correct or best answer will be selected for each question.
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

## When Unexpected Complications Arise During Surgery

a	b	c	d	a	b	c	d	
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	Mark one box next to each number. Only one correct or best answer will be selected for each question.
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	
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5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

## Blood Pressure

a	b	c	d	a	b	c	d	
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	Mark one box next to each number. Only one correct or best answer will be selected for each question.
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	
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5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

## Safety Concepts in the Surgical Setting

a	b	c	d	a	b	c	d	
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	Mark one box next to each number. Only one correct or best answer will be selected for each question.
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

## Necrotizing Fasciitis

a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19.	<input type="checkbox"/>	<input type="checkbox"/>	Mark one box next to each number. Only one correct or best answer will be selected for each question.
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20.	<input type="checkbox"/>	<input type="checkbox"/>	
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

## Treatment of War Casualties

a	b	c	d	a	b	c	d	
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	Mark one box next to each number. Only one correct or best answer will be selected for each question.
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	
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5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

## Wrist Fusion: Fighting Back Against Rheumatoid Arthritis

a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d				
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Mark one box next to each number. Only one correct or best answer will be selected for each question.

## Disasters Follow No Rules: Preparing Your Hospital For Disaster Response

a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d					
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	27.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	23.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	29.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Mark one box next to each number. Only one correct or best answer will be selected for each question.

## Pain Management for Patients with a Substance Abuse History

a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d				
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Mark one box next to each number. Only one correct or best answer will be selected for each question.

## Gangrene: Recognizing and Treating Cellular Necrosis

a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d				
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Mark one box next to each number. Only one correct or best answer will be selected for each question.