

Wrist fusion

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

Wrist fusion

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

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. Salicylates
- 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. Which of the following agents is commonly applied to the bleeding surface and edges of bone?

- a. Bone wax
- b. Thrombin
- c. Avitene
- d. Bacitracin

20. For the wrist fusion procedure, the patient was placed in the supine position. What muscles are relaxed by the small pad under the patient's head?

- a. Deltoid
- b. Pyramidal
- c. Strap
- d. Cremaster

Wrist fusion

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CEExam

299 NOVEMBER 2008 2 CE CREDITS

Pain management for patients with a substance abuse history

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

299 NOVEMBER 2008 2 CE CREDITS PART 1 OF 2

Pain management for patients with a substance abuse history

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11. One way to help ensure postoperative pain management for a patient with a history of opioid addiction is:

- a. Obtain a preoperative substance abuse history
- b. Consult an addictionologist
- c. Administer frequent pain scale tests
- d. Begin a preoperative pain management regimen

12. Which of the following is **not** an alternative pain treatment?

- a. Electro-shock therapy
- b. Local and regional anesthesia
- c. Epidural blocks
- d. Local pain pumps

13. Postoperative fears for opioid-dependent patients may include:

- a. Being judged by the care giver
- b. Suffering a relapse into drug use
- c. Not receiving enough pain medication
- d. All of the above

14. Blocking the action of cyclooxygenase and inhibiting prostaglandin production can be accomplished with:

- a. Steroidal treatment
- b. A Clonidine patch
- c. NSAID therapy
- d. All of the above

15. _____ is a synthetic narcotic used to treat opioid addiction.

- a. Heroin
- b. Clonidine
- c. Methadone
- d. Prednisone

16. Methadone is used in the treatment of addiction to:

- a. Opiates
- b. Alcohol
- c. Methamphetamines
- d. All of the above

17. Side effects of Methadone use include:

- a. Impairs cognitive functions
- b. Debilitating drowsiness
- c. Liver damage
- d. Methadone has no serious side effects

18. Opiates provide a flood of _____, which causes the euphoric high associated with drug use.

- a. Epinephrine
- b. Dopamine
- c. Endorphins
- d. Morphine

19. The preoperative assessment for a substance abuser should include:

- a. The patient's drug history
- b. The patient's recovery history
- c. A full physical
- d. All of the above

20. Patients who take opiates in large doses have a higher _____.

- a. Pain threshold
- b. Drug-seeking behavior
- c. Tolerance
- d. All of the above

Pain management for patients with a substance abuse history

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CEExam

301 JANUARY 2009 2 CE CREDITS

Drug discovery, development and approval processes

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1. The drug sildenafil citrate (Viagra®) was originally developed to treat ____.
 - a. Angina
 - b. Erectile dysfunction
 - c. Hypertension
 - d. Glaucoma
2. A drug containing active molecules that have never been included in another new drug application is called _____.
 - a. A new molecular entity
 - b. An original compound
 - c. A unique chemical compound
 - d. A prototype
3. Which is not a principal concept affecting drug interaction?
 - a. Onset
 - b. Peak effect
 - c. Duration of action
 - d. Frequency of future doses
4. _____ studies encompass the entire process of the drug within the body.
 - a. Toxicology
 - b. Pharmacokinetic
 - c. Post-clinical
 - d. Biotransformation
5. _____ studies determine the dosage and safety of the drug for human use.
 - a. Toxicology
 - b. Pharmacokinetic
 - c. Post-clinical
 - d. Biotransformation
6. Toxicology studies are used to determine:
 - a. Toxic, side and adverse effects
 - b. Reversal agents
 - c. Addictive properties
 - d. All of the above
7. _____ denotes a study when subjects and administrators are unaware of grouping status.
 - a. Single blind
 - b. Double blind
 - c. Placebo
 - d. None of the above
8. A written plan of action that follows the scientific process is a _____.
 - a. Theory
 - b. Hypothesis
 - c. Protocol
 - d. Trial
9. Examples of clinical safeguard trials include:
 - a. Informed Consent
 - b. Audits
 - c. Institutional review boards
 - d. All of the above
10. Human trials have _____ phases.
 - a. 2
 - b. 3
 - c. 4
 - d. 5

301 JANUARY 2009 2 CE CREDITS PART 1 OF 2

Drug discovery, development and approval processes

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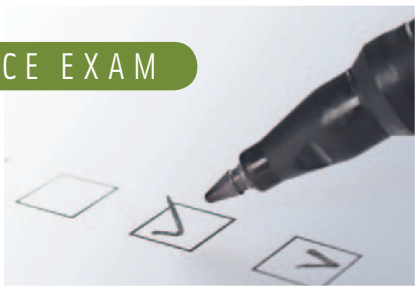
11. The _____ contains all information known about a new drug.
- New drug application (NDA)
 - Food and drug administration (FDA)
 - Center for drug evaluation and research (CDER)
 - Center for disease control (CDC)
12. A patent is valid for _____ years from the original date of application.
- 10
 - 15
 - 20
 - 25
13. A _____ distinguishes the source of goods of one party from those of another.
- Phrase
 - Symbol
 - Design
 - Trademark
14. A new drug application is filed with the FDA at the end of _____.
- Phase 1
 - Phase 2
 - Phase 3
 - Phase 4
15. _____ is conducted on a small group of people (20-80).
- Phase 1
 - Phase 2
 - Phase 3
 - Phase 4
16. Determining effectiveness and identifying long-term risks are purposes of _____.
- Phase 1
 - Phase 2
 - Phase 3
 - Phase 4
17. The study design for _____ trials is usually a double blind, randomized control trial.
- Phase 1
 - Phase 2
 - Phase 3
 - Phase 4
18. Approximately how many clinical trials are currently underway worldwide?
- 50-55,000
 - 55-60,000
 - 60-65,000
 - 65-70,000
19. One of the biggest legal challenges in clinical trials is _____.
- Luring qualified volunteers
 - Misrepresentation/fraud
 - Clarity of informed consent
 - FDA regulations and safeguards
20. Increasing legal threats may lead to a decline in _____.
- Quality of medical research
 - Willing volunteers
 - Clinical trials
 - Marketable drugs

301 JANUARY 2009 PART 2 OF 2

Drug discovery, development and approval processes

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Wound Management

306 JUNE 2009 2 CE credits

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1. **Failure of a wound to heal can result in _____.**
 - a. Additional surgical procedures
 - b. Longer hospital stays
 - c. Long-term disability
 - d. All of the above
2. **A full thickness surgical incision will be repaired by _____.**
 - a. Primary intention
 - b. Secondary intention
 - c. Polyglactin suture
 - d. Adhesive strips
3. **Regeneration and repair of a pressure ulcer is an example of _____.**
 - a. Primary intention
 - b. Secondary intention
 - c. Granulation
 - d. Epithelialisation
4. **The proliferation phase of healing includes _____.**
 - a. Inflammation
 - b. Granulation
 - c. Contraction
 - d. B&C
5. **The cessation of bleeding following an injury is _____.**
 - a. Contraction
 - b. Proliferation
 - c. Hemostasis
 - d. Maturation
6. **_____ is classified as the early inflammatory stage of wound healing.**
 - a. Contraction
 - b. Proliferation
 - c. Hemostasis
 - d. Maturation
7. **_____ may be regarded as the first line of defense against infection at the wound site.**
 - a. Neutrophil leucocytes
 - b. Basophils
 - c. Eosinophils
 - d. Monocytes
8. **The class of compounds known as _____ are vital for cell-to-cell and tissue adhesion.**
 - a. Fibroblasts
 - b. Proteoglycans
 - c. Electrolytes
 - d. Glycoproteins
9. **By keeping a wound moist, _____.**
 - a. Infection is more likely
 - b. Healing time is prolonged
 - c. Healing rates increase
 - d. Scarring is increased
10. **Spillage of bile during a cholecystectomy is classified as a _____ wound.**
 - a. Clean
 - b. Clean/Contaminated
 - c. Contaminated
 - d. Dirty/Infected

WOUND MANAGEMENT PART 1 OF 2

306 JUNE 2009 2 CE credits

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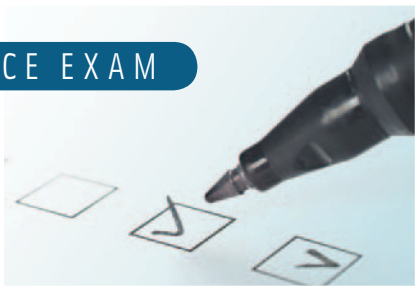
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- 11. One intrinsic factor affecting wound healing is _____.**
 a. Wound perfusion
 b. Radiotherapy
 c. Medication
 d. Wound infection
- 12. One extrinsic factor affecting wound healing is _____.**
 a. Disease
 b. Age
 c. Oxygen tension
 d. Radiotherapy
- 13. Surgical patients should eat within _____ of surgery for optimal clinical outcome.**
 a. 6
 b. 12
 c. 24
 d. 48
- 14. _____ is a critical nutrient in optimizing the tensile strength of new tissue.**
 a. Carbohydrate
 b. Protein
 c. Fat
 d. Vitamin A
- 15. _____ is a critical nutrient for collagen synthesis.**
 a. Vitamin A
 b. Vitamin E
 c. Vitamin B
 d. Vitamin K
- 16. _____ is another critical nutrient for collagen synthesis**
 a. Iron
 b. Zinc
 c. Vitamin C
 d. All of the above
- 17. Attributes of a surgical dressing include the ability to _____.**
 a. Enable gaseous exchange
 b. Maintain a dry environment
 c. Compress the wound
 d. Adhere to the skin
- 18. Low-cost, transparent adhesive film dressings are ideal for _____.**
 a. Infected wounds
 b. Straight forward surgical wounds
 c. Acute surgical wounds
 d. Nonsurgical wounds
- 19. Factors to consider when selecting a wound dressing include ____.**
 a. Level of exudates
 b. Depth of the wound
 c. Cost
 d. All of the above
- 20. A mild to moderate amount of exudate requires a _____ dressing.**
 a. Alginate
 b. Simple adhesive film
 c. Hydrocolloid dressing
 d. Adhesive film/foam

WOUND MANAGEMENT PART 2 OF 2

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Maslow's Hierarchy of Needs

308 AUGUST 2009 2 CE credits

1. Maslow developed the concept for the hierarchy of needs by observing _____.
 - a. Kurt Goldstein
 - b. His students
 - c. Monkeys
 - d. Infants
2. Based on observed reactions, the most important need in monkeys is _____.
 - a. Water
 - b. Food
 - c. Play
 - d. None of the above
3. The _____ level of the pyramid addresses the need of being.
 - a. Safety needs
 - b. Self-actualization
 - c. Esteem needs
 - d. Physiological needs
4. _____ needs make up the four lower components of Maslow's pyramid.
 - a. Deficit
 - b. Being
 - c. Safety
 - d. Esteem
5. Drawing conclusions about spirituality is an example of _____ needs.
 - a. Deficit
 - b. Being
 - c. Safety
 - d. Esteem
6. Needs that must occur for the body to survive are _____ needs.
 - a. Safety
 - b. Esteem
 - c. Belongingness
 - d. Physiological
7. The body regulates itself by _____.
 - a. Controlling its temperature
 - b. Counterbalancing hormones
 - c. Homeostasis
 - d. All of the above
8. Fear can prevent an individual from fulfilling _____ needs.
 - a. Esteem
 - b. Belongingness
 - c. Safety
 - d. Physiological
9. Belongingness needs can be influenced by _____.
 - a. Socially-accepted behaviors
 - b. Education levels
 - c. Economic status
 - d. All of the above
10. According to Maslow, a child who grows up in an affluent neighborhood is _____ likely to join a gang.
 - a. More
 - b. Less
 - c. Just as
 - d. Cannot determine

MASLOW'S HIERARCHY OF NEEDS PART 1 OF 2 308 AUGUST 2009 2 CE credits

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

11. The highest platform in the category of deficit needs is _____.

- a. Physiological c. Esteem
- b. Belongingness d. Safety

12. Self-esteem begins to manifest at _____.

- a. Age 2
- b. Age 5
- c. Age 12
- d. Birth

13. The lower form of self-esteem is characterized by _____.

- a. A need to be respected by others
- b. A low opinion of oneself
- c. Confidence in one's abilities
- d. Inferiority complexes

14. The higher form of self-esteem is characterized by _____.

- a. A need to be respected by others
- b. A low opinion of oneself
- c. Confidence in one's abilities
- d. None of the above

15. Low self-esteem is characterized by _____.

- a. Constantly seeking validation/acceptance
- b. Lack of self-respect
- c. Unrealistic expectations for oneself
- d. All of the above

16. "The single component of being" describes _____.

- a. High self-esteem
- b. Self-actualization
- c. Social acceptance
- d. Maslow's Hierarchy of Needs

17. Fluctuation within Maslow's hierarchy is _____.

- a. Common c. Constant
- b. Probable d. All of the above

18. The process of self-actualization can include _____.

- a. Defining oneself spiritually
- b. Focusing on resolving deficits
- c. Rejecting unfavorable aspects of one's life
- d. A&B

19. Self-actualization is limited to _____.

- a. Dignitaries
- b. Everyone
- c. Scientists
- d. Explorers

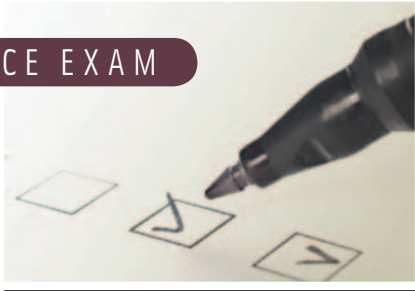
20. Maslow's Hierarchy of Needs is especially relevant in the _____ field.

- a. Medical
- b. Educational
- c. Self-help
- d. All of the above

MASLOW'S HIERARCHY OF NEEDS PART 2 OF 2

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Endoscopic Thoracic Sympathectomy

309 SEPTEMBER 2009 2 CE credits

1. ETS was initially developed to treat _____.
 - a. Goiter
 - b. Glaucoma
 - c. Epilepsy
 - d. All of the above
2. The _____ is responsible for controlling involuntary bodily functions.
 - a. Autonomic nervous system
 - b. Central nervous system
 - c. Regulatory system
 - d. Homeostatic effect
3. The _____ system slows down a function.
 - a. Homeostatic
 - b. Sympathetic
 - c. Parasympathetic
 - d. Autonomic
4. The "fight or flight" response is triggered by the _____ system.
 - a. Homeostatic
 - b. Sympathetic
 - c. Parasympathetic
 - d. Autonomic
5. The _____ are destroyed during the ETS procedure.
 - a. Sympathetic trunk
 - b. Sympathetic ganglia
 - c. Spinal nerves
 - d. None of the above
6. ETS is a treatment for _____.
 - a. Hyperhidrosis
 - b. Epilepsy
 - c. Irregular heartbeat
 - d. All of the above
7. Treatment options for idiopathic craniofacial erythema include _____.
 - a. Endoscopic thoracic sympathectomy
 - b. Valium
 - c. Cognitive behavioral therapy
 - d. All of the above
8. _____ is a vascular disorder that affects blood flow to extremities in cold conditions.
 - a. Erythromelalgia
 - b. Raynaud's Syndrome
 - c. Complex regional pain syndrome
 - d. Hypoxia
9. Raynaud's Syndrome can result in _____.
 - a. Gangrene
 - b. Skin ulcers
 - c. Skin atrophy
 - d. All of the above
10. Thermography and radiography are two methods of detecting _____.
 - a. Erythromelalgia
 - b. Raynaud's Syndrome
 - c. Complex regional pain syndrome
 - d. Hypoxia

ENDOSCOPIC THORACIC SYMPATHECTOMY PART 1 OF 2 309 SEPTEMBER 2009 2 CE credits

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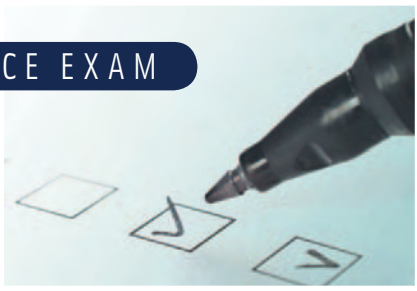
Mark one box next to each number. Only one correct or best answer can be selected for each question.

- 11. Clamping the nerves allows for _____.**
 a. Irreversible procedure
 b. Temporary relief
 c. Improved functionality
 d. Easier reversal process
- 12. A _____ is not used in the ETS procedure.**
 a. Harmonic scalpel
 b. Hemostat
 c. Video tower
 d. Fiber-optic light source
- 13. Complications associated with ETS sometimes include _____.**
 a. Respiratory problems
 b. Compensatory sweating
 c. Horner's Syndrome
 d. All of the above
- 14. Disfiguring asymmetry of the face can indicate _____.**
 a. Raynaud's Syndrome
 b. Horner's Syndrome
 c. Erythromelalgia
 d. Complex regional pain syndrome
- 15. A reversal of the ETS procedure is possible by _____.**
 a. Performing a nerve graft
 b. Removing the clip from the nerve
 c. A or B, depending on the surgeon's method
 d. The ETS procedure is not reversible
- 16. Erythromelalgia cannot be described as _____.**
 a. Idiopathic
 b. A rare disease
 c. A curable disease
 d. A & B
- 17. _____ can trigger an EM flare-up.**
 a. Heat
 b. Physical activity
 c. Anger
 d. A & B
- 18. EM can develop due to _____.**
 a. Psychological disorders
 b. Neurologic or blood disorders
 c. Physical contact with a carrier
 d. A & B
- 19. _____ do not blush in social situations.**
 a. Babies
 b. Cognitive-behavioral therapy patients
 c. ETS recipients
 d. Everyone blushes
- 20. Cognitive-behavioral therapy can include _____.**
 a. Rational emotive behavior therapy
 b. Dialectic behavior therapy
 c. Cognitive therapy
 d. All of the above

ENDOSCOPIC THORACIC SYMPATHECTOMY PART 2 OF 2

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Radical Mastectomy and Reconstruction

310 OCTOBER 2009 3 CE credits

1. **Breasts consist generally of _____.**
 - a. Secretory glands
 - b. Subcuticular fat
 - c. Overlying skin
 - d. All of the above
2. _____ **are modified sweat glands.**
 - a. Breasts
 - b. Mammary glands
 - c. Nipples
 - d. Superficial fascia
3. _____ **compose the suspensory ligaments of the breast.**
 - a. Connective tissue stroma
 - b. Individual ductal and lobule systems
 - c. Dermal tissues of the breast
 - d. None of the above
4. **The lateral arterial blood supply to the breast does not include the _____.**
 - a. Fourth intercostal artery
 - b. Thoracoacromial artery
 - c. Lateral thoracic artery
 - d. Superior thoracic axillary artery
5. **Nearly _____ percent of lymphatic drainage of the breast drains laterally and superiorly to the axillary lymph nodes.**
 - a. 65
 - b. 70
 - c. 75
 - d. 80
6. **The _____ are the primary region to sample for cancer metastasis into the lymphatic system.**
 - a. Parasternal lymph nodes
 - b. Axillary lymph nodes
 - c. Lymphatic vessels
 - d. Intercostal veins
7. **The mammary glands are completely functional at _____.**
 - a. Puberty
 - b. The end of pregnancy
 - c. Birth
 - d. Conception
8. **hPL is a hormone given off by the _____.**
 - a. Placenta
 - b. Pituitary gland
 - c. Secretory glands
 - d. None of the above
9. _____ **is the leading cause of death in women aged 40-44.**
 - a. Heart disease
 - b. Lung cancer
 - c. Breast Cancer
 - d. None of the above
10. **The risk of developing breast cancer is related to _____.**
 - a. Age when first child is born
 - b. Genetic factors
 - c. Family history
 - d. All of the above

RADICAL MASTECTOMY AND RECONSTRUCTION PART 1 OF 3 310 OCTOBER 2009 3 CE credits

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

11. _____ stimulates the secretory cells for lactation.
- Placental lactogen
 - Prolactin
 - Oxytocin
 - B & C
12. Breast cancers account for _____ percent of all cancers in women and _____ percent of cancer deaths.
- 30, 16
 - 43, 30
 - 16, 30
 - 43, 16
13. _____ provides a standardized way for physicians to determine information about a cancer's metastasis.
- Staging
 - Mammogram
 - Lumpectomy
 - None of the above
14. The most common staging system is the _____.
- Mammogram
 - Lumpectomy
 - Tumor Nodal Metastasis
 - None of the above
15. Pathological staging includes the results of a _____.
- Mammogram
 - Lumpectomy
 - Tumor Nodal Metastasis
 - All of the above
16. Patients have many treatment options, including _____.
- Radiation therapy
 - Chemotherapy
 - Hormonal therapy
 - All of the above
17. In TNM classification, the number following a T indicates _____.
- Size of the tumor
 - If the cancer has metastasized
 - If the cancer has spread to the lymph nodes
 - All of the above
18. _____ is considered a "breast-conserving surgery."
- Mastectomy
 - Breast reconstruction
 - Needle localization and wide excision
 - B & C
19. In a _____, the surgeon removes a small volume of breast tissue.
- Mastectomy
 - Breast reconst.
 - Lumpectomy
 - B & C
20. Removal of one or both breasts in a male or female patient is a _____.
- Mastectomy
 - Breast reconstruction
 - Lumpectomy
 - Needle localization and wide excision

RADICAL MASTECTOMY AND RECONSTRUCTION PART 2 OF 3

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Mark one box next to each number.
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21. An example of a minimally-invasive procedure is a _____.

- a. Simple mastectomy
- b. Skin-sparing mastectomy
- c. Halstead mastectomy
- d. A & B

22. Methylene blue is used during a mastectomy to _____.

- a. Sterilize the surgical site
- b. Provide local anesthetic
- c. Outline the sentinel node
- d. None of the above

23. The complete removal of the entire breast tissue is a _____.

- a. Simple mastectomy
- b. Radical mastectomy
- c. Modified radical mastectomy
- d. Halstead mastectomy

24. A/an _____ is used to separate the breast tissue from the skin.

- a. Electrosurgical pencil
- b. #15 blade
- c. Harmonic scalpel
- d. None of the above

25. In a TRAM flap reconstruction, the surgeon reconstructs the breasts with _____.

- a. Warm saline
- b. Autologous fat
- c. AlloDerm®
- d. Artificial fillers

26. Axillary components and the pectoralis muscles are removed in a _____.

- a. Simple mastectomy
- b. Radical mastectomy
- c. Modified radical mastectomy
- d. Bilateral mastectomy

27. To prevent cancer seeding, the wound is _____.

- a. Cauterized
- b. Closed with absorbable suture
- c. Irrigated with sterile water
- d. All of the above

28. Complications of a mastectomy include _____.

- a. Infection
- b. Disfigurement
- c. Cancer metastasis
- d. All of the above

29. In a modified radical mastectomy, _____ are removed.

- a. Only axillary components
- b. Axillary components & pectoralis muscles
- c. Both breasts, in their entirety
- d. Only suspicious lumps

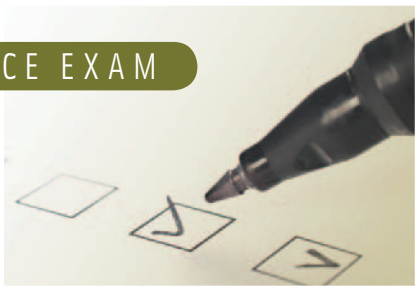
30. Specimens from mastectomy patients are examined _____ by the pathology department.

- a. Prior to scheduling surgery
- b. Intraoperatively
- c. Postoperatively
- d. At follow-up appointments

RADICAL MASTECTOMY AND RECONSTRUCTION PART 3 OF 3

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In-Office Autologous Fat Grafting

311 NOVEMBER 2009 2 CE credits

1. **Plastic surgery most often addresses which of Maslow's needs?**
 - a. Physiological
 - b. Safety
 - c. Love and belonging
 - d. Prestige and esteem
2. **The most common facial locations for autologous fat grafting include _____.**
 - a. Nasolabial folds
 - b. Chin
 - c. Marionette grooves
 - d. All of the above
3. **Which of the following does not describe an autologous fat graft?**
 - a. Safe
 - b. Permanent
 - c. Temporary
 - d. Reversible
4. **The ultimate goal of cosmetic surgery is _____.**
 - a. Help the patient achieve a positive self-evaluation
 - b. Fix the patient's physical short-comings
 - c. Create a new image for the patient
 - d. Reverse the affects of aging
5. **Patients who have undergone _____ are not good candidates for autologous fat grafting.**
 - a. Oral surgery
 - b. Organ transplant
 - c. Abdominal surgery
 - d. All of the above
6. **The choice of anesthetic for cosmetic procedures depends on _____.**
 - a. The patient's health
 - b. The number of procedures being performed
 - c. The patient's current medications
 - d. All of the above
7. **In a fat grafting procedure, the _____ are filled first.**
 - a. Nasolabial folds
 - b. Cheeks
 - c. Jaw line
 - d. None of the above
8. **Nose reconstructions are believed to have been performed as early as _____.**
 - a. 2,000 BCE
 - b. 600 BCE
 - c. 1880
 - d. The Middle Ages
9. **Who is considered the father of plastic surgery?**
 - a. Pierre Joseph Desault
 - b. Karl Ferdinand von Gräefe
 - c. Johann Friedrich Dieffenbach
 - d. Sir Harold Gillies
10. **Most cosmetic surgery cases are performed under _____.**
 - a. Local anesthetic
 - b. IV with sedation
 - c. General anesthesia
 - d. Acetaminophen

IN-OFFICE AUTOLOGOUS FAT GRAFTING PART 1 OF 2 311 NOVEMBER 2009 2 CE credits

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	a	b	c	d		a	b	c	d
1	<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"/>
2	<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"/>
3	<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"/>
4	<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"/>
5	<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"/>

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

- 11. Alternative options for facial augmentation include _____.**
- a. Botox
 - b. Chemical peels
 - c. Injectable fillers
 - d. All of the above

- 12. The term "plastic" is derived from a/an _____ word.**
- a. Indian
 - b. Greek
 - c. Latin
 - d. Sanskrit

- 13. For facial procedures, the patient is put in the _____ position.**
- a. Trendelenburg
 - b. Supine
 - c. Reverse Trendelenburg
 - d. Fowler's

- 14. Who was a leading pioneer in skin grafts and sex-reassignment surgery?**
- a. Gasparo Tagliacozzi
 - b. Karl Ferdinand von Gräefe
 - c. Johann Friedrich Dieffenbach
 - d. Sir Harold Gillies

- 15. After the fat is harvested, the next step is to _____.**
- a. Inject the donor fat into the specified areas
 - b. Place the syringes in a centrifuge
 - c. Apply a cold compress to the surgical site
 - d. Cleanse the injection site

- 16. Cosmetic surgery became popular during the Renaissance due to _____.**
- a. Syphilis
 - b. Nose amputation
 - c. Social pressures
 - d. All of the above as punishment

- 17. The oldest association for aesthetic surgery in the United States is the _____.**
- a. American Academy of Facial Plastic and Reconstructive Surgery
 - b. American Association of Plastic Surgeons
 - c. American Association of Oral Surgeons
 - d. American Board of Plastic Surgery

- 18. The term "plastic surgery" was coined by _____.**
- a. Pierre Joseph Desault
 - b. Karl Ferdinand von Gräefe
 - c. Johann Friedrich Dieffenbach
 - d. Sir Harold Gillies

- 19. From 1997 to 2007, the number of cosmetic procedures in the United States increased _____.**
- a. 162 percent
 - b. 233 percent
 - c. 92 percent
 - d. 80 percent

- 20. The father of modern plastic surgery is _____.**
- a. Pierre Joseph Desault
 - b. Karl Ferdinand von Gräefe
 - c. Johann Friedrich Dieffenbach
 - d. Sir Harold Gillies

IN-OFFICE AUTOLOGOUS FAT GRAFTING PART 2 OF 2

	a	b	c	d		a	b	c	d
11	<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"/>
12	<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"/>
13	<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"/>
14	<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"/>
15	<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"/>

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

Answers

CE CREDIT PKG 7: 17 CONTINUING EDUCATION CREDITS

Certified Member

AST Member No: _____

Name: _____ Certification No: _____

Address: _____ City: _____ State: _____ ZIP: _____

Telephone: _____ Email: _____

CE CREDIT PKG 7: 17 CONTINUING EDUCATION CREDITS

The fee is \$29. This package is only available to AST members.

Check Enclosed

Yes, I want to pay by credit card: Visa MasterCard AmEx

Card # _____ Expiration Date _____ Signature _____

Wrist Fusion: Fighting back against rheumatoid arthritis

	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>		<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>		<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>
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"/>
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"/>
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 can be selected for each question.

Pain management for patients with a substance abuse history

	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>		<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>		<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>
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"/>
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"/>
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 can be selected for each question.

Drug Discovery: Development and approval processes

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>				
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"/>	<i>Mark one box next to each number. Only one correct or best answer can be selected for each question.</i>				
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"/>	<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"/>	<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"/>	<input type="checkbox"/>						

The Role of the Surgical Technologist in Wound Management

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>				
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"/>	<i>Mark one box next to each number. Only one correct or best answer can be selected for each question.</i>				
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"/>	<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"/>	<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"/>	<input type="checkbox"/>						

Maslow's Hierarchy of Needs

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>				
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"/>	<i>Mark one box next to each number. Only one correct or best answer can be selected for each question.</i>				
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"/>	<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"/>	<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"/>	<input type="checkbox"/>						

A Surgical Cure for Chronic Blushing: Endoscopic Thoracic Sympathectomy

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>				
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"/>	<i>Mark one box next to each number. Only one correct or best answer can be selected for each question.</i>				
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"/>	<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"/>	<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"/>	<input type="checkbox"/>						

Facial Plastic Surgery: Autologous Fat Grafting

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>				
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"/>	<i>Mark one box next to each number. Only one correct or best answer can be selected for each question.</i>				
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"/>						
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"/>						
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"/>						

Radical Mastectomy and Reconstruction

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>				
1.	<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"/>	17.	<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"/>
2.	<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"/>	18.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26.	<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"/>	11.	<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"/>	27.	<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"/>	12.	<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"/>	28.	<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"/>	13.	<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"/>	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"/>	14.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22.	<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"/>
7.	<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"/>	23.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Mark one box next to each number. Only one correct or best answer can be selected for each question.</i>				
8.	<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"/>	24.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						

Directions: Complete all 8 answer keys for the exams. Include your check or money order made payable to AST or complete credit card information with the appropriate amount and mail to Members Services, AST, 6 W Dry Creek Circle, Ste 200, Littleton, CO 80120-8031. If paying by credit card, you can fax in the answer keys and credit card payment to AST at 303-694-9169.