

CE Exams

Preventing Surgical Errors: The Role of the Surgical Technologist

- ___ involves the commission or omission of an act that a reasonable person would not have committed.**
 - malpractice
 - proximate cause
 - negligence
 - res ipsa loquitur
- ___ involves deliberate conduct that violates an individual's scope of practice.**
 - malpractice
 - proximate cause
 - negligence
 - res ipsa loquitur
- Which of the four elements of negligence case must be linked to show proximate cause?**
 - duty-breach of duty
 - duty - injury
 - injury- breach of duty
 - none of the above
- Which doctrine applies in almost every instance in which a foreign body is mistakenly left in the patient?**
 - malpractice
 - res ipsa loquitur
 - proximate cause
 - all of the above
- Which applies if a member of the surgical team operates while under the influence of alcohol?**
 - malpractice
 - res ipsa loquitur
 - proximate cause
 - none apply
- If an STSR performs a task under the supervision of the surgeon, but that task is prohibited by state law, the STSR has committed ___.**
 - malpractice
 - neglect
 - breach of duty
 - no illegal activity was committed
- Which statement about counts is NOT correct?**
 - The circulator and STSR must verify/account for each counted item.
 - Packaging materials are a viable way of verifying actual quantities.
 - Needles in suture packs should be verified when opened on the field.
 - Trash and linens may not be removed after preoperative counts.
- Which team member searches for missing items in nonsterile areas?**
 - STSR
 - circulator
 - surgical assistant
 - everyone on the team
- An "X" on the patient's skin means ___.**
 - X marks the spot
 - Don't operate here
 - Either A or B
 - None of the above
- Prior to the introduction of any medication or solution onto the surgical field, the STSR and circulator must verify ___.**
 - drug name
 - dosage/concentration
 - expiration date
 - all of the above

A Robot's View of the Prostate

- 1. Which of the following risk factors doubles a man's risk of developing prostate cancer?**
 - a. age over 65 years
 - b. family member with the disease
 - c. place of residence
 - d. frequent intercourse
- 2. Which is not a screening test for prostate cancer?**
 - a. DRE
 - b. PSA
 - c. EPT
 - d. None are screening tests
- 3. Which is not a preventable risk factor for prostate cancer?**
 - a. Area of residence
 - b. Diet
 - c. Type of employment
 - d. age
- 4. Which is mismatched?**
 - a. Gleason Grade 5: metastasis
 - b. Gleason sum 3: low-grade tumor
 - c. Gleason sum 6: least aggressive
 - d. Gleason sum 9: high-grade tumor
- 5. Which is mismatched?**
 - a. Stage A: localized tumor
 - b. Stage B2: cancer is limited to one side of prostate
 - c. Stage C: tumor spread to structures near the prostate
 - d. Stage D2: cancer spread to bones
- 6. Complications of radical prostate surgery include:**
 - a. excessive hemorrhage
 - b. incontinence
 - c. impotence
 - d. all of the above
- 7. Robotics provide an advancement over laparoscopic surgery because:**
 - a. reduces hand tremor
 - b. allows greater degrees of freedom
 - c. allows greater flexibility of movement
 - d. all of the above
- 8. How many ports are needed for this robotic surgery?**
 - a. 3
 - b. 2
 - c. 4
 - d. 6
- 9. Cauter should not be used near the ____.**
 - a. areolar tissue and bladder
 - b. neurovascular bundle
 - c. pedicles
 - d. fascia of Zuckerkindl
- 10. With robotic surgery, the patient will be hospitalized approximately ____.**
 - a. 72 hours
 - b. 48 hours
 - c. 36 hours
 - d. 24 hours

Ovarian Cystectomy and Bilateral Tubal Ligation: A Case Study/Part I

- 1. Due to a __, this patient should take antibiotics prophylactically before the surgery.**
 - a. peptic ulcer
 - b. mitral valve prolapse
 - c. anxiety disorder
 - d. appendectomy
- 2. __ is a combination of erythromycin and sulfisoxazole.**
 - a. Ceclor®
 - b. Codeine
 - c. Alprazolam
 - d. Sulfimycin®
- 3. __ is a drug which depresses the central nervous system and is used to treat insomnia.**
 - a. Ambien®
 - b. Alprazolam
 - c. Glucotrol®
 - d. loratadine
- 4. Which result of the Differential Blood Count tests may be related to the patient's asthma?**
 - a. basophils
 - b. eosinophils
 - c. neutrophils
 - d. monocytes
- 5. Which of these hematology results are mismatched?**
 - a. Platelet count-detects clotting disorders
 - b. Leukocyte count-detects infection or immune dysfunction
 - c. Red blood cell count-detects hypoxia
 - d. Erythrocyte count-detects iron containing pigment
- 6. Which hematology test evaluates the effect of anticoagulant drugs on the patient?**
 - a. Mean corpuscular hemoglobin
 - b. Partial thromboplastin Time (PPT)
 - c. Prothrombin Time (PT)
 - d. International Normalized Ratio (INR)
- 7. The Blood Urea Nitrogen (BUN) test measures __.**
 - a. creatinine output
 - b. adrenal gland function
 - c. metabolic waste from kidneys
 - d. protein production
- 8. __ is a protein that acts as a carrier to maintain blood volume and pressure.**
 - a. Albumin
 - b. Calcium
 - c. Chloride
 - d. Creatinine
- 9. __ is essential for water balance, muscle and nerve function, and normal metabolism.**
 - a. Calcium
 - b. Potassium
 - c. Sodium
 - d. Zinc
- 10. Hypoglycemia is a low level of __.**
 - a. calcium
 - b. carbon dioxide
 - c. bilirubin
 - d. glucose

Ovarian Cystectomy and Bilateral Tubal Ligation: A Case Study/Part II

- Spinal anesthesia was used instead of general because** ___.
 - the patient is diabetic
 - the patient is asthmatic
 - the patient wanted to remain awake
 - all of the above
- The spread of anesthetic and duration of action are influenced by:**
 - volume of agent
 - concentration of agent
 - rate of injection
 - all of the above
- Which procedure performed is also called salpingectomy?**
 - Laparotomy
 - Oophorocystectomy
 - Bilateral tubal ligation
 - Exploratory surgery
- Exploratory surgery is recommended if an ovarian mass is greater than __ or does not decrease in size over __.**
 - 6cm; 3 months
 - 1 inch; 3 months
 - 1 inch, 6 months
 - 6 mm, 6 months
- Which is not true about the Pomeroy technique?**
 - Involves the removal of a section of each tube
 - Causes minimum tubal destruction
 - Provides a surgical specimen of each tube
 - Is considered a temporary method of sterilization
- Which of the following diagnostic studies may be influenced by antibiotics?**
 - HCT
 - WBC count
 - Calcium
 - All of the above
- Which can raise glucose levels?**
 - Antibiotic drugs
 - Anesthetic agents
 - Ice chips
 - None of the above
- The loss of blood during surgery does not affect:**
 - HCT
 - MCV
 - WBC
 - MCHC
- Intravenous fluids may affect:**
 - Calcium
 - Chloride
 - BUN
 - glucose
- The antiemetic __ was ordered postoperatively.**
 - Motrin®
 - Zofran®
 - Bupivacaine
 - Fentanyl

Intracranial Stereotactic Navigation: Cost Analysis and Patient Outcomes Reviewed

- 1. The primary criticism of intraoperative MRI is ___.**
 - a. time
 - b. safety
 - c. cost
 - d. none of the above
- 2. The mean scan time in the Bohenski study was ___ minutes.**
 - a. 6
 - b. 12
 - c. 16
 - d. 20
- 3. Deep brain stimulators have become standard treatment for ___ patients.**
 - a. glioblastoma multiforme
 - b. Parkinson's disease
 - c. pituitary adenomas
 - d. schizophrenia
- 4. The average cost of an intraoperative MRI machine (excluding equipment and building costs) is ___.**
 - a. \$1-\$1.5 million
 - b. \$3-\$4 million
 - c. \$100,000 - \$150,000
 - d. \$300,000 - \$400,000
- 5. Of the 40 patients that underwent an MRI scan, what percentage is accurate and usable?**
 - a. 15%
 - b. 35%
 - c. 65%
 - d. 85%
- 6. What was the most common postoperative complication associated with stereotactic brain biopsy?**
 - a. Infection
 - b. Hemorrhage
 - c. Embolism
 - d. stroke
- 7. Which is the least expensive type of stereotactic navigational system?**
 - a. framed
 - b. intraoperative MRI
 - c. frameless
 - d. radiosurgery
- 8. Neurosurgery for Parkinson's disease most often utilizes ___.**
 - a. framed system
 - b. frameless system
 - c. intraoperative MRI
 - d. radiosurgery
- 9. What is used to replace the frame when a frameless navigation CT scan is performed?**
 - a. lasers
 - b. probes
 - c. fiducials
 - d. X-ray beams
- 10. Which of the stereotactic systems account for brain shift?**
 - a. Framed
 - b. Frameless
 - c. Intraoperative MRI
 - d. None account for brain shift

Gynecologic Surgery Perioperative Considerations, Part I

- 1. According to Boyd and Groome, the strongest predictor of postoperative morbidity was?**
 - a. experience of the surgeon
 - b. attitude of patient toward surgeon
 - c. preexisting medical disorder
 - d. hospital's asepsis and infection control measures
- 2. COPD is caused by:**
 - a. asthma
 - b. emphysema
 - c. pneumonia
 - d. tuberculosis
- 3. The condition in which the heart valves collapse backward, causing blood to leak back into the atrium is called:**
 - a. congestive heart failure
 - b. premature ventricular contractions
 - c. COPD
 - d. mitral valve prolapse
- 4. Serum creatinine and BUN studies assess:**
 - a. pulmonary function
 - b. renal function
 - c. capillary refill
 - d. hormone levels
- 5. Which type of incision runs parallel to abdominal Langer's lines?**
 - a. transverse
 - b. vertical
 - c. oblique
 - d. none of the above
- 6. Problems associated with the ___ incision include increased infection rates, increased blood loss, and possible nerve damage.**
 - a. sunrise
 - b. paramedian
 - c. Pfannenstiel
 - d. Rocky-Davis
- 7. Which of these incisions provides the most secure wound closure?**
 - a. Küstner
 - b. Midline
 - c. Maylard
 - d. Pfannenstiel
- 8. Which is not a transverse incision?**
 - a. Maylard
 - b. Rocky-Davis
 - c. Pfannenstiel
 - d. Küstner
- 9. Which incisions may leave the patient more susceptible to hernia formation?**
 - a. Pfannenstiel and Küstner
 - b. Midline and paramedian
 - c. Maylard and Cherney
 - d. Rocky-Davis and gridiron
- 10. Radiation therapy can be provided without risk of bowel complication after this type of incision:**
 - a. extraperitoneal
 - b. transperitoneal
 - c. subperitoneal
 - d. none of the above

Third- party Reprocessing of Single-use Devices in the Operating Room: A Managerial Perspective

1. **The primary factor driving the trend toward reprocessing SUDs is:**
 - a. cost savings
 - b. safety
 - c. time savings
 - d. staff shortages
2. **Which group is the most involved in the regulation of reprocessed single-use devices?**
 - a. AHA
 - b. FDA
 - c. OSHA
 - d. CDC
3. **According to a Healthcare Risk Management article, ___ believed the reprocessing of SUDs posed a threat to surgical patients.**
 - a. 70% of nurses
 - b. three of four surgeons
 - c. 60% of hospitals
 - d. none oppose reprocessing
4. **Third party reprocessors are regulated by __: hospitals are regulated by __.**
 - a. OSHA; AHA
 - b. FDA; AHA
 - c. CDC; OSHA
 - d. FDA; OSHA
5. **For an item to be considered for reprocessing, it must be:**
 - a. of high quality
 - b. costly enough to justify the expense
 - c. capable of being cleaned and sterilized
 - d. all of the above
6. **Bar codes on reprocessed items do not track:**
 - a. hospital name
 - b. reprocessing history
 - c. patient's name
 - d. department within the hospital
7. **The most common SUD reprocessed is:**
 - a. sternotomy blades
 - b. sequential compression devices
 - c. burrs and drill bits
 - d. gloves
8. **A benefit of a reprocessing program is:**
 - a. biohazard waste reduction
 - b. cost savings
 - c. funding for new initiatives (equipment, etc)
 - d. all are benefits
9. **The most significant issue in evaluating a reuse program is:**
 - a. patient safety
 - b. cost savings
 - c. hospital efficiency
 - d. funding for new initiatives (equipment, etc)
10. **Which of the following is an important issue that must be taken into consideration when reprocessing SUDs?**
 - a. cross contamination
 - b. performance issues
 - c. legal/ethical issues
 - d. all of the above

Chronic Regional Pain Syndrome: The Facts with a Patient's Perspective

1. **CRPS is more common in:**
 - a. men
 - b. women
 - c. children
 - d. the elderly
2. **Which is mismatched?**
 - a. Type I; cases with no known nerve injury
 - b. Type I: reflex sympathetic dystrophy
 - c. Type I: distinct major nerve injury
 - d. Type II: causalgia
3. **Which clinical feature is considered the hallmark of CRPS?**
 - a. pain
 - b. swelling
 - c. stiffness of joints
 - d. muscle spasms
4. **Which is false about symptoms of CRPS?**
 - a. Joints become stiff and muscles can atrophy.
 - b. Burning pain and localized swelling occurs at the site of injury.
 - c. Pain is unaffected by emotional distress or stress.
 - d. Rashes may appear on the extremities.
5. **Extreme sensitivity to touch is called:**
 - a. causalgia
 - b. paroxysmal pain
 - c. allodynia
 - d. hyperalgesia
6. **Which is not a type of spread in CRPS?**
 - a. independent
 - b. malignant
 - c. continuity
 - d. mirror image
7. **A TENS unit may be used for:**
 - a. muscle stimulation
 - b. biofeedback
 - c. muscle strengthening
 - d. desensitization
8. **Which is not considered a treatment option for CRPS patients?**
 - a. occupational therapy
 - b. physical therapy
 - c. casting and immobilization
 - d. pain psychology
9. **Which of the following is the method for measuring the heat emission of a limb?**
 - a. Doppler studies
 - b. sympathetic nerve blocks
 - c. thermograms
 - d. spinal cord stimulators
10. **Which type of block may affect the recurrent laryngeal nerve?**
 - a. stellate ganglion block
 - b. lumbar sympathetic block
 - c. epidural block
 - d. limbic block

Surgery of the Head and Neck: Thyroid and Laryngeal Procedures

- 1. Who was the first surgeon to describe thyroidectomy in 1873?**
 - a. Theodor Billroth
 - b. Theodor Kocher
 - c. Silas Weir Mitchell
 - d. Pierre Joseph Desault
- 2. Which structure may have to be elevated or transected to perform a tracheotomy?**
 - a. recurrent laryngeal nerve
 - b. thyroid isthmus
 - c. parathyroid gland
 - d. hyoid
- 3. Radiation to the head and neck in childhood increases the risk of:**
 - a. goiter
 - b. hyperthyroidism
 - c. thyroid cancer
 - d. none of the above
- 4. For thyroidectomy and parathyroidectomy, the patient is placed in which position?**
 - a. Supine
 - b. Fowler's
 - c. Reverse Trendelenburg
 - d. Right lateral
- 5. After which surgery should the patient's head be elevated to 30° to minimize bleeding?**
 - a. supraglottic laryngectomy
 - b. total laryngectomy
 - c. parathyroidectomy
 - d. hemilaryngectomy
- 6. Which is not a risk factor for laryngeal cancer?**
 - a. asbestos exposure
 - b. tobacco usage
 - c. vocal training
 - d. alcohol use
- 7. Before a supraglottic laryngectomy patient is discharged, he or she must:**
 - a. be able to defecate
 - b. be taught to eat
 - c. learn to vomit
 - d. none of the above
- 8. Which is left intact after hemilaryngectomy?**
 - a. cricoid cartilage
 - b. one vocal cord
 - c. hyoid bone
 - d. all of the above
- 9. Patients for this surgery must sign a consent form for total laryngectomy:**
 - a. hemilaryngectomy
 - b. supraglottic laryngectomy
 - c. total laryngectomy
 - d. all of the above
- 10. Which is not a complication of total laryngectomy?**
 - a. drain failure
 - b. pharyngocutaneous fistula
 - c. stomal stenosis
 - d. all are complications

Abdominal Aortic Aneurysm Resection

- 1. AAAs are usually:**
 - a. Not detected until rupture occurs
 - b. Not detected during physical examination
 - c. Symptomatic and detected upon examination
 - d. Detected during diagnostic testing for other conditions
- 2. Fusiform aneurysms:**
 - a. Balloon out to one side
 - b. Occur after a tear of the inner arterial wall
 - c. Enlarge circumferentially in a spindle shape
 - d. Occur at the proximal and distal portions of the artery
- 3. False aneurysms (pseudoaneurysms) are a/an:**
 - a. True aneurysm
 - b. Dissecting aneurysm
 - c. Contained hematoma
 - d. Dilatation of arterial wall layers
- 4. Which of the following symptoms indicate an AAA rupture?**
 - a. Hypertension
 - b. Severe headache
 - c. Shortness of breath
 - d. Vascular insufficiency
- 5. Surgical repair of an AAA is recommended if the aneurysm is:**
 - a. 2 cm
 - b. 3 cm
 - c. 4 cm
 - d. 5 cm
- 6. Morality ranges from __ following elective AAA procedures.**
 - a. 0% - 3%
 - b. 4% - 7%
 - c. 8% - 11 %
 - d. 12% - 15%
- 7. Risk factors associated with AAA development include all of the following except:**
 - a. Immunocompromise
 - b. Coronary artery disease
 - c. Uncontrolled hypertension
 - d. High blood cholesterol level
- 8. In an end-to-side, the graft is anastomosed to the:**
 - a. Renal artery
 - b. External iliac vessel
 - c. Inferior mesenteric artery
 - d. Right common iliac vessel
- 9. The retroperitoneal space is opened beginning at the__.**
 - a. Splenic flexure
 - b. Hepatic flexure
 - c. Xiphoid process
 - d. Ligament of Treitz
- 10. Which of the following clamps would be appropriate to use when clamping the aorta?**
 - a. Allen
 - b. Doyen
 - c. Dennis
 - d. Fogarty

Answers CE CREDIT PKG 1A: 21 CONTINUING EDUCATION CREDITS

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Preventing Surgical Errors: the Role of the Surgical Technologist

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A Robot's View of the Prostate

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Ovarian Cystectomy and Bilateral Tubal Ligation: A Case Study/Part I

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Ovarian Cystectomy and Bilateral Tubal Ligation: A Case Study/Part II

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Intracranial Stereotactic Navigation: Cost Analysis and Patient Outcomes Reviewed

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Gynecologic Surgery Perioperative Considerations, Part I

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Third-party Reprocessing of Single-use Devices in the Operating Room: A Managerial Perspective

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Chronic Regional Pain Syndrome: The Facts with a Patient's Perspective

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Surgery of the Head and Neck: Thyroid and Laryngeal Procedures

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"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Abdominal Aortic Aneurysm Resection

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"/>						
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						