

Question Paper Preview

Notations :

- Options shown in green color and with ✓ icon are correct.
- Options shown in red color and with ✗ icon are incorrect.

Question Paper Name:	Civil Assistant Surgeon in Anesthesia 5th Dec 2017 Shift 1
Subject Name:	Civil Assistant Surgeon in Anesthesia
Creation Date:	2017-12-05 14:04:28
Duration:	150
Total Marks:	150
Display Marks:	No
Calculator:	Scientific
Magnifying Glass Required?:	No
Ruler Required?:	No
Eraser Required?:	No
Scratch Pad Required?:	No
Rough Sketch/Notepad Required?:	No
Protractor Required?:	No

Civil Assistant Surgeon in Anesthesia

Group Number :	1
Group Id :	57996564
Group Maximum Duration :	0
Group Minimum Duration :	150
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	150

Civil Assistant Surgeon in Anesthesia

Section Id :	57996564
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	150
Number of Questions to be attempted:	150
Section Marks:	150
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	579965102
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 5799659503 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

An 8 Kg, 1 Yr. old child has a measured blood loss of 50ml during the 1st 2 Hrs. of a rectal pull-through operation. Preoperative Hematocrit was 31 %. Balanced saline solution 150ml has been administered for replacement. Urine output has been 2ml for the last Hr. , Heart rate is 160 bpm, and BP is 40/15 mmHg. The most appropriate fluid therapy is

Options :

- ✘ 25% Albumin
- ✔ Balanced salt solution (lactated Ringers injection)
- ✘ Balanced salt solution & Mannitol
- ✘ 5% Dextrose in 0.45% saline solution

Question Number : 2 Question Id : 5799659504 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following statements concerning banked blood is true?

Options :

- ✘ Red blood cells preserved with CPDA-1 have a self-life of approximately 21 days
- ✘ Packed red cells deliver oxygen normally immediately after administration
- ✔ Packed red cells contain most of the leucocytes present in the donated unit
- ✘ Citrate is used as a source of energy for the whole blood

Question Number : 3 Question Id : 5799659505 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Following inhalational anaesthetics is associated with fluoride nephrotoxicity except

Options :

- ✘ Methoxyflurane
- ✘ Enflurane
- ✔ Halothane
- ✘ Sevoflurane

Question Number : 4 Question Id : 5799659506 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

During active labor 10ml bupivacaine 0.5% with epinephrine 1:200000 is administered epidurally. Fifteen minutes later maternal Blood pressure is 70/50 mmHg, and Heart rate is 70 bpm, Fetal HR is 90 bpm for 45 seconds, with loss of beat-to-beat variability. The most likely explanation for the fetal vital signs is

Options :

- ✘ Fetal bupivacaine cardiotoxicity
- ✘ Maternal bupivacaine cardiotoxicity
- ✔ Maternal Hypotension
- ✘ Uterine artery vasoconstriction

Question Number : 5 Question Id : 5799659507 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Interscalene approach to brachial plexus block does not provide optimal surgical anesthesia in the area of distribution of which of the following nerve

Options :

- ✘ Musculocutaneous

2. ✓ Ulnar
3. ✗ Radial
4. ✗ Median

Question Number : 6 Question Id : 5799659508 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Compared with Diazepam, Midazolam

Options :

1. ✗ Is more lipid soluble
2. ✗ Has a longer elimination half life
3. ✗ Has a larger volume of distribution
4. ✓ Has a greater clearance

Question Number : 7 Question Id : 5799659509 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 30 year old woman has difficulty in talking 15 minutes after initiation of interscalene block for closed reduction of a dislocated shoulder. The most likely cause is

Options :

1. ✗ Delayed systemic toxic reaction
2. ✗ Phrenic nerve paralysis
3. ✗ Pneumothorax
4. ✓ Recurrent laryngeal nerve block

Question Number : 8 Question Id : 5799659510 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

An acutely ill 65 year old man with sepsis has severe hypophosphatemia. Which of the following is most likely to result from this electrolyte disorder?

Options :

1. ✗ Bronchospasm
2. ✗ Diarrhea
3. ✓ Muscle Weakness
4. ✗ Seizures

Question Number : 9 Question Id : 5799659511 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

During right lower lobe resection SpO₂ decreases from 99 to 70% after institution of one-lung ventilation. FiO₂ 1. 0. The most appropriate management is to

Options :

1. ✗ Apply continuous positive airway pressure to the right lung
2. ✗ Apply positive end-expiratory pressure to the left lung
3. ✗ Increase tidal volume
4. ✓ Reinflate the right lung

Question Number : 10 Question Id : 5799659512 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

With long term administration which of the following drugs produces the most prolonged sedative effect of Diazepam?

Options :

1. ✓ Cimetidine
2. ✗ Famotidine
3. ✗ Metoclopramide
4. ✗ Ranitidine

Question Number : 11 Question Id : 5799659513 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

During uncomplicated mask induction with Halothane and 50% Nitrous oxide in Oxygen in a 6 months old infant with a large Ventricular Septal Defect and Valvular Pulmonic stenosis, SpO₂ decreases from 85% (Room Air) to 60%, Heart rate is 100 bpm and blood pressure is 62/40 mm Hg. The most appropriate management is to

Options :

1. ✗ Administer Atropine
2. ✓ Administer Phenylephrine
3. ✗ Administer propranolol
4. ✗ Increase anesthetic depth

Question Number : 12 Question Id : 5799659514 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 24 year old patient with hypertension and hypercalcemia is scheduled for a parathyroidectomy. Serum calcium concentration may be decreased by the administration of

Options :

1. ✗ calcium channel blocker
2. ✗ Magnesium sulphate
3. ✗ Sodium Bicarbonate
4. ✓ Vigorous volume expansion

Question Number : 13 Question Id : 5799659515 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Landmarks used in performing a superior laryngeal nerve block include the

Options :

1. ✗ Transverse process of C6.
2. ✗ Cricoid cartilage.
3. ✗ Angle of mandible.
4. ✓ Greater cornua of the hyoid cartilage

Question Number : 14 Question Id : 5799659516 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A neonate born at 32 weeks gestation has cyanosis, tachypnea, scaphoid abdomen and a cardiac impulse on right. Immediate management of this child should include

Options :

1. ✗ Insertion of chest tube
2. ✗ Limiting inspired oxygen concentration to 50%
3. ✗ Administration of rapid positive pressure ventilation by mask

4. ✓ Insertion of nasogastric tube

Question Number : 15 Question Id : 5799659517 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

True statement concerning carbon dioxide absorption in breathing system canister include the following

Options :

1. ✗ The major reactant of baralyme is barium hydroxide
2. ✗ Baralyme contains silica to minimize dust
3. ✗ The major component of sodalime is sodium hydroxide
4. ✓ Both baralyme and sodalime contains calcium hydroxide

Question Number : 16 Question Id : 5799659518 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

To counter central anticholinergic effect, drug used is

Options :

1. ✓ Physostigmine
2. ✗ Atropine
3. ✗ Neostigmine
4. ✗ Hyoscine

Question Number : 17 Question Id : 5799659519 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

All of the following are suitable anesthetic circuits for both controlled and assisted ventilation except

Options :

1. ✓ Mapleson A
2. ✗ Mapleson B
3. ✗ Mapleson D
4. ✗ Mapleson E

Question Number : 18 Question Id : 5799659520 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 27 year old man is undergoing emergency bronchoscopy with propofol, vecuronium anaesthesia after aspirating a peanut. Intervals of apneic oxygenation are used to facilitate the procedure. Initial blood gas values while breathing pure oxygen are $\text{PaO}_2 = 400 \text{ mmHg}$ and $\text{PaCO}_2 = 30 \text{ mmHg}$. Effects of 10 minutes of apneic oxygenation at a flow rate of 10 L/min include

Options :

1. ✗ Decreased heart rate
2. ✗ Decreased PaO_2 to 50 mmHg
3. ✗ Cutaneous vasoconstriction
4. ✓ Increased PaCO_2 to 60 mmHg

Question Number : 19 Question Id : 5799659521 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 20 Kg, 4 year old boy receives atropine 0.3 mg intramuscularly 1 hour before inguinal herniorrhaphy under general anesthesia. Forty minutes later while still in pre-operative preparation room, his temperature is 38.6°C . Likely cause of temperature elevation include

Options :

1. ✘ Malignant hyperthermia
2. ✘ Alteration of central temperature regulation
3. ✘ Release of catechol amines
4. ✔ Suppression of sweating

Question Number : 20 Question Id : 5799659522 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

The effect of neomycin at the neuromuscular junction is

Options :

1. ✘ Decreased by depolarizing relaxants
2. ✔ Partially reversed by calcium
3. ✘ Potentiated by anti-cholinesterase
4. ✘ Prevented by pretreatment by magnesium

Question Number : 21 Question Id : 5799659523 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following inhalational agent has the minimum blood gas solubility coefficient?

Options :

1. ✘ Isoflurane
2. ✘ Sevoflurane
3. ✔ Desflurane
4. ✘ Nitrous Oxide

Question Number : 22 Question Id : 5799659524 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

At the end of anesthesia after discontinuation of nitrous oxide and removal of endotracheal tube, 100% oxygen is administered to patient to prevent

Options :

1. ✔ Diffusion Hypoxia
2. ✘ Second Gas effect
3. ✘ Hyperoxia
4. ✘ Bronchospasm

Question Number : 23 Question Id : 5799659525 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following statements concerning FRC is true?

Options :

1. ✘ It is independent of height of the patient
2. ✔ It decreases in pregnancy primarily because of a decrease in the expiratory reserve volume.
3. ✘ It increases in patients with history of heavy smoking
4. ✘ It increases with prone position

Question Number : 24 Question Id : 5799659526 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 6 year old child with asthma begins wheezing during anesthesia with Halothane and Nitrous Oxide in Oxygen. A loading dose of aminophylline is administered, followed by continuous infusion. Premature ventricular contractions appear on the ECG. The most appropriate management is to

Options :

1. ✘ Administer fentanyl
2. ✔ Discontinue Aminophylline
3. ✘ Increase the inspire concentration of Halothane
4. ✘ Switch the inhalational agent to Isoflurane

Question Number : 25 Question Id : 5799659527 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 50 year old man who takes aspirin and nifedipine is scheduled for thoracotomy with one-lung ventilation. Which of the following is associated with the greatest risk for intraoperative hypoxemia?

Options :

1. ✘ Preoperative withdrawal of Nifedipine therapy
2. ✘ Intraoperative mild respiratory acidosis
3. ✘ Intraoperative administration of isoflurane
4. ✔ Intraoperative administration of Nitroglycerine

Question Number : 26 Question Id : 5799659528 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 35 year old woman with severe myasthenia gravis is scheduled for thymectomy. Which of the following preoperative pulmonary function test is most likely to be normal?

Options :

1. ✘ Forced expiratory volume in 1 sec (FEV1)
2. ✘ Forced Vital Capacity (FVC)
3. ✔ FEV1/FVC
4. ✘ Peak inspiratory flow (PIF)

Question Number : 27 Question Id : 5799659529 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A patient who was on aspirin for long period was selected for an elective surgery. What should be done?

Options :

1. ✔ Stop Aspirin for 7 days
2. ✘ Infusion of fresh frozen plasma
3. ✘ Infusion of platelet concentration
4. ✘ Go ahead with surgery maintaining adequate hemostasis

Question Number : 28 Question Id : 5799659530 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

During Halothane Anesthesia with spontaneous ventilation, the most reliable sign of malignant hyperthermia is

Options :

1. ✘ Hypertension
2. ✘ Increased temperature
3. ✔ Increased minute ventilation
4. ✘ Muscle rigidity

Question Number : 29 Question Id : 5799659531 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Myofacial pain is an example of

Options :

- ✘ A central pain state
- ✘ Neuropathic pain
- ✘ Psychogenic pain
- ✔ Somatic pain

Question Number : 30 Question Id : 5799659532 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

In the recovery room A 5-year old patient after tonsillectomy surgery developed restlessness, pallor, tachycardia & hypotension. The management includes all of the following except :

Options :

- ✘ Restoration of intravascular volume
- ✘ Evacuation of stomach contents with nasogastric tube
- ✔ Inhalation induction without paralysis
- ✘ Rapid sequence induction with cricoid pressure

Question Number : 31 Question Id : 5799659533 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

In children with preoperative upper respiratory tract infection, which of the following is associated with the greatest risk for postoperative airway obstruction?

Options :

- ✘ Surgery for more than 2 hrs.
- ✔ Endotracheal intubation
- ✘ Head and neck surgery
- ✘ Inadequate airway humidification

Question Number : 32 Question Id : 5799659534 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following statements concerning Ketorolac is true?

Options :

- ✘ It causes dose related thrombocytopenia
- ✘ It binds to opioid receptors
- ✘ It is eliminated unchanged in urine
- ✔ It reversibly inhibits cyclooxygenase

Question Number : 33 Question Id : 5799659535 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Propofol infusion syndrome describes all, except

Options :

- ✘ Occurs with infusion of propofol for 48 hours or longer
- ✘ Occurs in critically ill patients
- ✔ Features are nausea & vomiting

4. ✘ Features are cardiomyopathy, hepatomegaly

Question Number : 34 Question Id : 5799659536 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

The incidence of postoperative hoarseness or sore throat decreases with all except

Options :

1. ✘ Using smaller size endotracheal tubes
2. ✘ Reduced attempts at intubation
3. ✘ Short duration of surgery
4. ✔ Application of lubricant gel at the tip or cuff of the endotracheal tube

Question Number : 35 Question Id : 5799659537 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 2.5 kg, 12 hour old infant is tracheally intubated and mechanically ventilated at a rate of 20 breaths/min with a FiO_2 of 0.4 and Peak inspiratory pressure of 25 cm H_2O . At birth, amniotic fluid was meconium stained, and APGAR scores were 2 and 7. The most recent arterial blood gas levels are PaO_2 - 50 mm Hg, $PaCO_2$ - 55 mm Hg, and pH - 7.20. The most appropriate management is to

Options :

1. ✘ Administer Sodium bicarbonate
2. ✘ Begin intravenous infusion of Prostaglandin E1
3. ✘ Increase FiO_2
4. ✔ Increase Ventilation

Question Number : 36 Question Id : 5799659538 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

During a reoperative total hip arthroplasty requiring transfusion of 8 Units of packed red blood cells, blood begins to ooze from the operative field and intravenous catheter sites. Urine is pink. The most likely cause is:-

Options :

1. ✘ Factor V and VIII deficiencies
2. ✘ Citrate intoxication
3. ✘ Thrombocytopenia
4. ✔ Transfusion reaction

Question Number : 37 Question Id : 5799659539 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Normal pseudo cholinesterase

Options :

1. ✘ Is highly concentrated at the motor end plate
2. ✘ Hydrolyses succinylcholine by Hoffman elimination
3. ✘ Is produced primarily at nerve terminals
4. ✔ Is antagonized by acetyl cholinesterase inhibitors

Question Number : 38 Question Id : 5799659540 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 20 year old patient presented with early pregnancy for Medical Termination of Pregnancy in day care facility. What will be the anaesthetic induction agent of choice?

Options :

1. ❌ Thiopentone
2. ❌ Ketamine
3. ✅ Propofol
4. ❌ Diazepam

Question Number : 39 Question Id : 5799659541 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following findings is the most hazardous in premature infants?

Options :

1. ❌ Hematocrit of 55%
2. ✅ Rectal temperature 35°C
3. ❌ Umbilical arterial blood PO₂ 50 mm Hg
4. ❌ Umbilical arterial blood PCO₂ 45 mm Hg

Question Number : 40 Question Id : 5799659542 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

During nitrous oxide anesthesia, which of the following expands most rapidly?

Options :

1. ❌ Air bubble in the blood
2. ❌ Air in the intestine
3. ❌ Endotracheal tube cuff
4. ✅ Pneumothorax

Question Number : 41 Question Id : 5799659543 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following statements concerning pulmonary function in patients with pulmonary fibrosis is true?

Options :

1. ✅ Diffusion capacity is decreased
2. ❌ Pulmonary artery diastolic-to-occlusion pressure gradients are normal
3. ❌ Ventilation-perfusion relationships are normal
4. ❌ Static pulmonary compliance is unchanged.

Question Number : 42 Question Id : 5799659544 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

In which of the following situations is mismatching of ventilation to perfusion in the lung greatest?

Options :

1. ❌ Awake patient, spontaneous ventilation, lateral decubitus position
2. ❌ Anesthetized patient, controlled ventilation, supine position
3. ✅ Anesthetized patient, controlled ventilation, lateral decubitus position
4. ❌ Anesthetized patient, controlled ventilation, sitting position

Question Number : 43 Question Id : 5799659545 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

The following hemodynamic profile is from a 62 year old in the intensive care unit (ICU) after coronary artery bypass grafting

	Entering ICU	+30 Minutes
Heart rate (bpm)	90	120
Blood pressure (mm Hg)	125/75	80/30
PADP (mm Hg)	12	25
PAOP (mm Hg)	10	25
CVP (mm Hg)	6	8

Which of the following is the most likely cause of the changes occurring after 30 minutes?

Options :

- ✘ Anaphylactic shock
- ✘ Left ventricular ischemia
- ✔ Pericardial tamponade
- ✘ Pulmonary embolism

Question Number : 44 Question Id : 5799659546 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 5 year old child is scheduled for strabismus (squint) correction. Induction of anesthesia is uneventful. After conjunctival incision as the surgeon grasps the medial rectus, the anesthesiologist looks at the cardiac monitor. Why do you think he did that?

Options :

- ✘ He wanted to check the depth of anaesthesia
- ✘ He wanted to be sure that the blood pressure did not fall
- ✔ He wanted to see if there was an oculocardiac reflex
- ✘ He wanted to make sure there were no ventricular dysarrhythmias which normally accompany incision

Question Number : 45 Question Id : 5799659547 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following statements concerning propofol is true?

Options :

- ✘ Active metabolite can produce residual postoperative sedation
- ✘ It causes less respiratory depression than an equivalent induction dose of thiopental.
- ✘ It has analgesic properties
- ✔ The vehicle emulsion is associated with hypersensitivity reactions

Question Number : 46 Question Id : 5799659548 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Acute epiglottitis usually

Options :

- ✔ Requires a lateral radiograph of the neck for diagnosis
- ✘ Occurs in children of 2 months to 2 years of age
- ✘ Is treated effectively with racemic epinephrine
- ✘ Has a viral etiology

Question Number : 47 Question Id : 5799659549 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 5 year old child is suffering from cyanotic heart disease. He is planned for corrective surgery. The induction agent of the choice would be

Options :

1. ❌ Thiopentone
2. ✅ Ketamine
3. ❌ Halothane
4. ❌ Midazolam

Question Number : 48 Question Id : 5799659550 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following is a complication of glycine used for irrigation during transurethral Resection of prostate?

Options :

1. ❌ Epileptiform activity on EEG
2. ❌ Peripheral neuropathy
3. ❌ Tachycardia
4. ✅ Transient blindness

Question Number : 49 Question Id : 5799659551 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 100-kg, 42-year-old woman received enflurane and oxygen for clipping of an intracranial aneurysm lasting 8 hours. In the first 2 postoperative hours, urine output is 2L. Serum sodium concentration is 155meq / L. Urine osmolarity and central venous pressure is low. Which of the following is the best used to establish the diagnosis?

Options :

1. ❌ Pulmonary artery occlusion pressure
2. ✅ Serum fluoride concentration
3. ❌ Serum osmolarity
4. ❌ Response to antidiuretic hormone

Question Number : 50 Question Id : 5799659552 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following findings differentiates the pickwickian syndrome from morbid obesity?

Options :

1. ✅ Carbon dioxide retention
2. ❌ Upper airway obstruction
3. ❌ Decreased forced expiratory volume
4. ❌ Ventilation perfusion mismatch

Question Number : 51 Question Id : 5799659553 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following is the most likely sequela of interscalene brachial plexus block?

Options :

1. ❌ Cervical epidural block
2. ✅ Hemidiaphragmatic paralysis
3. ❌ Pneumothorax.

4. ✘ Seizure.

Question Number : 52 Question Id : 5799659554 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following is the most reliable indicator of adequate reversal of neuromuscular block?

Options :

1. ✘ Vital capacity of 15ml/kg
2. ✔ Sustained head lift for 5 seconds
3. ✘ Train-of-four ratio of 0.7
4. ✘ Twitch height at 100% of control

Question Number : 53 Question Id : 5799659555 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

The decreased duration of action of an intravenous dose of fentanyl compared with an intra-venous dose of morphine is best explained by

Options :

1. ✔ Greater lipid solubility
2. ✘ Increased hepatic metabolism
3. ✘ Less protein binding
4. ✘ Shorter elimination half -life

Question Number : 54 Question Id : 5799659556 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 36-year-old woman develops acute airway obstruction 24 hours after total thyroidectomy. The most likely cause is

Options :

1. ✘ Bilateral recurrent laryngeal nerve injury
2. ✘ Unilateral recurrent laryngeal nerve injury
3. ✔ Hypocalcemia
4. ✘ Subglottic edema

Question Number : 55 Question Id : 5799659557 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Most reliable indicator to confirm endotracheal intubation

Options :

1. ✘ Oxygen saturation on pulse oximeter
2. ✘ Measurement of CO₂ in exhaled air (EtCO₂)
3. ✔ Direct visualization of passing tube beneath vocal cords
4. ✘ Auscultation over chest

Question Number : 56 Question Id : 5799659558 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Sniffing position for endotracheal intubation is achieved by

Options :

1. ✘ Flexion at the atlantooccipital and extension at the cervicothoracic junctions
2. ✔ Extension at atlantooccipital and flexion at the cervicothoracic junctions

3. ✘ Flexion at the atlantooccipital and cervicothoracic junction
4. ✘ Extension at atlantooccipital and cervicothoracic junction

Question Number : 57 Question Id : 5799659559 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

During insufflation of the peritoneal cavity with carbon dioxide at the start of laparoscopy, heart rate increases to 140 bpm, blood pressure decreases to 70/40 mm hg, and a loud murmur is heard through the oesophageal stethoscope. The most appropriate immediate step is to

Options :

1. ✘ Administer a vasoconstrictor
2. ✔ Deflate the abdomen
3. ✘ Insert a central venous catheter
4. ✘ Infuse crystalloid solution rapidly

Question Number : 58 Question Id : 5799659560 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which anaesthetic agent is neither metabolized by liver nor by kidney?

Options :

1. ✔ Atracurium
2. ✘ Pancuronium
3. ✘ Vecuronium
4. ✘ Rocuronium

Question Number : 59 Question Id : 5799659561 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A patient with chronic obstructive pulmonary disease is undergoing spinal anaesthesia to a T6 sensory level. The most pronounced effect on pulmonary function will be a decrease in

Options :

1. ✘ Minute ventilation
2. ✔ Peak expiratory flow
3. ✘ Physiological dead space
4. ✘ Tidal volume

Question Number : 60 Question Id : 5799659562 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Commonest cranial nerve affected in Spinal Anaesthesia is

Options :

1. ✘ 2
2. ✘ 3
3. ✘ 4
4. ✔ 6

Question Number : 61 Question Id : 5799659563 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A patient in ICU was on invasive monitoring with intra-arterial cannulation through right radial artery for last 3 days. Later he developed swelling and discolouration of right hand. The next line of management is

Options :

1. ✓ Stellate ganglion Block
2. ✗ Brachial Block
3. ✗ Radial Nerve Block
4. ✗ Celiac plexus Block

Question Number : 62 Question Id : 5799659564 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following statements concerning the risk of acquiring hepatitis from a blood transfusion is true?

Options :

1. ✗ The most patient with post transfusion hepatitis become clinically jaundiced
2. ✗ Most cases of post transfusion hepatitis are caused by the hepatitis B virus
3. ✗ The risk for hepatitis is less than that for AIDS
4. ✓ The risk for post transfusion hepatitis is less than 1% per unit transfused

Question Number : 63 Question Id : 5799659565 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Addition of Epinephrine to lignocaine

Options :

1. ✗ Increases distribution of LA
2. ✓ Decreases absorption of LA
3. ✗ Decreases duration of LA
4. ✗ Increases metabolism of LA

Question Number : 64 Question Id : 5799659566 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Local anaesthetics block nerve conduction by

Options :

1. ✗ Decreasing intracellular calcium concentration
2. ✗ Decreasing potassium conduction
3. ✗ Causing extrusion of intracellular potassium
4. ✓ Inhibiting cellular influx of sodium

Question Number : 65 Question Id : 5799659567 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Recognized side effects of magnesium sulphate used for the treatment of preeclampsia that would be of anaesthetic concern include each of the following except

Options :

1. ✗ Neonatal Hypotonia
2. ✗ Increased maternal sensitivity to succinylcholine
3. ✗ Increased maternal sensitivity to vecuronium
4. ✓ Maternal hypokalemia

Question Number : 66 Question Id : 5799659568 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A comatose 40-year-old man is to undergo evacuation of an acute subdural hematoma. His left pupil is dilated, and blood is present behind the left tympanic membrane. Each of the following is an acceptable intervention except

Options :

1. ✘ Manual inline stabilization should be used.
2. ✔ Blind nasotracheal intubation
3. ✘ Use of isoflurane
4. ✘ Hyperventilation

Question Number : 67 Question Id : 5799659569 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A jaundiced patient requires general anaesthesia for portocaval shunt. He has a long history of alcohol abuse and is cirrhotic with ascites. Special considerations relevant to induction of anaesthesia for this patient include each of the following except that

Options :

1. ✘ Denitrogenation by mask may be more rapid than expected
2. ✘ The risk of aspiration is increased
3. ✔ The dose of thiopental necessary for induction will be predictably reduced
4. ✘ The duration of succinylcholine action may be prolonged

Question Number : 68 Question Id : 5799659570 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A patient is being ventilated mechanically in the ICU requires wound debridement twice daily. Each of the following agents would be appropriate for induction of brief general anaesthesia except

Options :

1. ✘ Nitrous oxide
2. ✔ Etomidate
3. ✘ Ketamine
4. ✘ Midazolam

Question Number : 69 Question Id : 5799659571 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A computer programme for hemodynamic calculations has the following input values: body surface area, arterial blood pressure, heart rate, pulmonary artery occlusion pressure, pulmonary artery pressure, and cardiac output. Each of the following values can be derived with this program except

Options :

1. ✘ Cardiac index
2. ✘ Stroke volume index
3. ✔ Systemic vascular resistance
4. ✘ Pulmonary vascular resistance

Question Number : 70 Question Id : 5799659572 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Each of the following contributes to hypotension following induction of anaesthesia with propofol except

Options :

1. ✔ Central vagal stimulation
2. ✘ Decreased central sympathetic tone

- ✘ Direct myocardial depression
- ✘ Systemic vasodilatation

Question Number : 71 Question Id : 5799659573 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 66 year old man with chronic obstructive pulmonary disease who underwent colectomy 12 hours ago has been receiving an epidural infusion of fentanyl at a rate of 100 mg/hr. Which of the following is least likely to develop?

Options :

- ✔ Hypotension
- ✘ Nausea
- ✘ Pruritus
- ✘ Respiratory depression

Question Number : 72 Question Id : 5799659574 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 65 year old man is disoriented and has headache and nausea in the recovery room 30 minutes after transurethral resection of the prostate with glycine irrigation performed under spinal anesthesia. Heart rate is 50 bpm, and blood pressure is 180/110 mm Hg. Which of the following is least likely?

Options :

- ✘ Decreased serum osmolality
- ✔ Serum sodium concentration of 132 mEq/L
- ✘ Increased serum ammonia concentration
- ✘ Bibasilar rales

Question Number : 73 Question Id : 5799659575 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

The need for increased doses of nondepolarizing muscle relaxants in patients with extensive burns is best explained by

Options :

- ✔ Increased protein binding
- ✘ Hypermetabolism
- ✘ Increased glomerular filtration rate
- ✘ Proliferation of receptors on burned muscle

Question Number : 74 Question Id : 5799659576 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

High quality CPR include all except

Options :

- ✔ Chest compressions 200/minute
- ✘ Depth of 2 or more inches
- ✘ Complete recoil after compression
- ✘ Avoid excessive ventilation

Question Number : 75 Question Id : 5799659577 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

APACHE 2 does not include

Options :

1. ✘ Acute physiology score
2. ✘ Age
3. ✔ Sex
4. ✘ Chronic health evaluation

Question Number : 76 Question Id : 5799659578 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

When compared with diazepam, midazolam

Options :

1. ✘ Metabolite contribute more significantly to the sedative effect
2. ✘ Elimination is less dependent on hepatic metabolism
3. ✔ Has more predictable action after intramuscular administration
4. ✘ Produces less respiratory depression

Question Number : 77 Question Id : 5799659579 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following increases the cephalad spread of hyperbaric intrathecal local anaesthetics?

Options :

1. ✘ Cephalad-directed needle bevel
2. ✘ Coughing
3. ✔ Lithotomy position
4. ✘ Obesity

Question Number : 78 Question Id : 5799659580 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Compared with a patient without liver disease, a patient with cirrhosis will have

Options :

1. ✘ Greater accumulation of vecuronium with infusion
2. ✔ Increased unbound plasma vecuronium concentration
3. ✘ More frequent occurrence of phase 2 block after succinylcholine administration.
4. ✘ Prolonged elimination half-life of atracurium

Question Number : 79 Question Id : 5799659581 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Intrathecally administered opioids exert their analgesic effects primarily in the

Options :

1. ✘ Brain stem
2. ✘ Spinal nerve roots
3. ✘ Spinothalamic tracts
4. ✔ Substantia gelatinosa

Question Number : 80 Question Id : 5799659582 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

During laser excision of vocal cord polyps in a 5 year old boy, dark smoke suddenly appears in the surgical field. The trachea is intubated, and anaesthesia is being maintained with halothane, nitrous oxide, and oxygen. The most appropriate initial step is to

Options :

1. ✘ Change from oxygen and nitrous oxide to air
2. ✘ Fill the oropharynx with water
3. ✘ Instill water into the endotracheal tube
4. ✔ Stop Ventilation and Remove the endotracheal tube

Question Number : 81 Question Id : 5799659583 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

During craniotomy in the sitting position, end tidal carbon dioxide tension suddenly decreases. Ventilatory excursion of the chest is normal. Further evaluation is most likely to show a decrease in

Options :

1. ✘ Alveolar-to-arterial carbon dioxide tension difference.
2. ✘ Dead space ventilation
3. ✘ Pulmonary artery pressure
4. ✔ Pulmonary artery occlusion pressure (PAOP)

Question Number : 82 Question Id : 5799659584 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

All of the following are true about neuroendocrine response in shock except

Options :

1. ✘ Increased cortisol
2. ✔ Increased insulin
3. ✘ Increased glucagon
4. ✘ Increased epinephrine

Question Number : 83 Question Id : 5799659585 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 67 year old man undergoes spinal anesthesia with hyperbaric bupivacaine for transurethral resection of prostate(TURP). At the end of the 50-minutes procedure, the level of anesthesia is T6, and blood pressure is 120/70mm Hg. Within 2 minutes of transfer to a stretcher, the patient has nausea, and his blood pressure decreases to 76/42 mm Hg. Which of the following is the most likely cause of the acute hypotension?

Options :

1. ✘ Acute congestive heart failure
2. ✔ Decreased venous return
3. ✘ Dilutional hyponatremia
4. ✘ Progression of sympathetic block

Question Number : 84 Question Id : 5799659586 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 26 Year old woman has persistent uterine bleeding following a normal spontaneous delivery without anaesthesia. The uterus is firm on manual examination. Which of the following anaesthetic is most appropriate for the manual extraction of the placenta?

Options :

1. ✔ Sevoflurane
2. ✘ pudendal block with lidocaine

- ✘ Vacuronium
- ✘ Thiopental

Question Number : 85 Question Id : 5799659587 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Compared with intermittent positive -pressure ventilation (IPPV), intermittent mandatory ventilation (IMV)

Options :

- ✘ Requires lower inspiratory flow rate
- ✔ Provides less than full mechanical ventilator support
- ✘ Requires a greater level of sedation
- ✘ Requires a higher FiO_2

Question Number : 86 Question Id : 5799659588 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Proper zeroing of an arterial pressure transducer attached to the supine anesthetized patient is best accomplished by

Options :

- ✘ Continuous flow of fluid through the intravascular catheter
- ✔ Opening the system to air at heart level
- ✘ Placement of the transducer diaphragm at heart level
- ✘ Proper damping of the transducer system

Question Number : 87 Question Id : 5799659589 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Clinical criteria of brain death is all except

Options :

- ✘ Coma
- ✘ Absent brain stem reflex
- ✔ Absent spinal cord reflex
- ✘ Absent motor activity

Question Number : 88 Question Id : 5799659590 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 1-month-old infant becomes hypoxemic faster during apnoea than the adult. Which of the following is the primary cause of this difference?

Options :

- ✔ Functional residual capacity in an infant is decreased
- ✘ Metabolic rate of an infant is twice that of an adult
- ✘ Resting PaO_2 in an infant is lower than that in an adult
- ✘ The number of alveoli in an infant is 12% the number in an adult

Question Number : 89 Question Id : 5799659591 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following statement concerning hyperkalaemia after succinylcholine administration to a patient with a spinal cord injury is true?

Options :

- ✘ It is unlikely to occur if the lesion is located below T6
- ✔ It is unlikely to occur within 24 hour of the injury
- ✘ It is unlikely to occur more than 60 days after the initial injury
- ✘ It is prevented by pre-treatment with small doses of non-depolarizing agent

Question Number : 90 Question Id : 5799659592 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

The severity of chronic bronchitis is best assessed by measuring

Options :

- ✘ Carbon dioxide diffusing capacity
- ✘ Sputum production over 24 hours
- ✘ Forced vital capacity
- ✔ Arterial blood gases

Question Number : 91 Question Id : 5799659593 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following is NOT an Isotonic solution?

Options :

- ✘ 0.5% Dextrose in water
- ✘ 0.9% Normal saline
- ✘ Lactated ringer
- ✔ 10% Dextrose in water

Question Number : 92 Question Id : 5799659594 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

After a left-sided double-lumen endotracheal tube is inserted, both cuffs are inflated. When the right (tracheal) lumen is clamped, breath sounds are heard only in the lower right lung field. When the left (bronchial) lumen is clamped, breath sounds are heard over the entire left lung field. Where is the tube positioned?

Options :

- ✔ Tracheal orifice above the carina and bronchial limb in the right bronchus
- ✘ Tracheal orifice above the carina and bronchial limb in the left bronchus
- ✘ Tracheal orifice and bronchial limb both above the carina
- ✘ Tracheal cuff and bronchial limb in the right bronchus

Question Number : 93 Question Id : 5799659595 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Atropine is used in following except

Options :

- ✔ Glaucoma
- ✘ Mushroom poisoning
- ✘ Malathion poisoning
- ✘ Organophosphorus poisoning

Question Number : 94 Question Id : 5799659596 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 60-kg, 45-year-old woman who takes digoxin for atrial fibrillation receives furosemide 40 mg and mannitol 60 g during resection of a supratentorial meningioma. After initiation of hyperventilation to decrease PaCO₂ from 35 to 20 mm Hg, multifocal premature ventricular contractions are noted on the ECG. The most likely cause is

Options :

1. ✓ Acute hypokalemia
2. ✗ Cerebral ischemia
3. ✗ Impending herniation of the brain stem
4. ✗ Paradoxical air embolism

Question Number : 95 Question Id : 5799659597 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following statements concerning cerebral blood flow (CBF) during anaesthesia is true?

Options :

1. ✗ CBF changes minimally when PaCO₂ increase from 30 to 40 mm Hg
2. ✓ CBF changes minimally when PO₂ decrease from 160 to 100 mm Hg
3. ✗ CBF is autoregulated when mean arterial pressure (MAP) is 40 mmHg
4. ✗ CBF is coupled to cerebral metabolism during isoflurane anaesthesia

Question Number : 96 Question Id : 5799659598 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following drug is contraindicated in patients with Parkinson's disease?

Options :

1. ✗ Atropine
2. ✗ Dopamine
3. ✓ Droperidol
4. ✗ Fentanyl

Question Number : 97 Question Id : 5799659599 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

In a 65-year-old man, which of the following on the preoperative pulmonary function testing is associated with the highest risk for respiratory insufficiency following pneumonectomy?

Options :

1. ✗ Maximum voluntary ventilation at 65 % of predicted
2. ✗ Mean pulmonary artery pressure of 28 mm Hg
3. ✓ Predicted postoperative forced expiratory volume in 1 second (FEV₁) < 800 ml
4. ✗ Residual volume to total lung capacity (RV/TLC) ratio of 0.35

Question Number : 98 Question Id : 5799659600 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

During transurethral resection of the prostate (TRUP), intravascular absorption of glycine irrigant most commonly produces

Options :

1. ✗ Alkalosis
2. ✗ Haemolysis
3. ✓ Blindness transient
4. ✗ Tachycardia

Question Number : 99 Question Id : 5799659601 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 27-year-old man with a 1-month history of quadriplegia at a C6 level is given general anaesthesia for cystoscopy. During the cystoscopy, blood pressure suddenly increase to 220/120 mm Hg. Further evaluation most likely to show

Options :

1. ✘ Atrial fibrillation (ventricular rate 100 bpm)
2. ✘ Paroxysmal atrial tachycardia (160 bpm)
3. ✔ Sinus bradycardia
4. ✘ Piloerection above the level of C6

Question Number : 100 Question Id : 5799659602 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following drugs used to produce or reverse muscle relaxation has the greatest prolongation of action in a patient with end-stage renal disease?

Options :

1. ✘ Atracurium
2. ✔ Neostigmine
3. ✘ Pancuronium
4. ✘ Succinylcholine

Question Number : 101 Question Id : 5799659603 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

The low fetal/maternal plasma ratio of bupivacaine compared with lidocaine is due to

Options :

1. ✘ Fetal tissue binding
2. ✘ Fetal plasma protein binding
3. ✔ Maternal plasma protein binding
4. ✘ Ionization in maternal blood

Question Number : 102 Question Id : 5799659604 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A previously healthy 28 year old man is admitted to emergency department with a probable opioid overdose. Arterial blood gas values are PaO₂ 49 mm Hg, PaCO₂ 76 mm Hg, and pH 7. 12 while breathing room air. Which of the following statements is true?

Options :

1. ✘ Aspiration of gastric contents must have occurred
2. ✔ Hypoventilation alone can explain the acidosis and hypoxemia
3. ✘ The hypoxemia probably is due to noncardiogenic pulmonary oedema
4. ✘ Naloxone should be administered only if the patient is normothermic

Question Number : 103 Question Id : 5799659605 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 66 year old patient with aortic stenosis is scheduled for aortic valve replacement. Examination shows blood pressure of 110/60 mm Hg and sinus rhythm at a rate of 75 bpm. PAOP is 20 mmHg with a prominent a wave on the tracing. Which of the following is the most important?

Options :

- ✘ Increasing myocardial contractility
- ✘ Maintaining PAOP below 20 mm Hg
- ✔ Maintaining sinus rhythm
- ✘ Promoting mild tachycardia

Question Number : 104 Question Id : 5799659606 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

The gauge pressure on a cylinder of nitrous oxide

Options :

- ✘ Varies with the size of the cylinder
- ✔ Is the same for full and half-full cylinders
- ✘ Is the same as that of a full cylinder of oxygen if both are full
- ✘ Is independent of the temperature of the cylinder

Question Number : 105 Question Id : 5799659607 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following statements concerning anaesthetic management for MRI is true?

Options :

- ✔ ECG wires are associated with patient burns
- ✘ Mechanical ventilation of the lungs is not feasible
- ✘ Monitors with ferromagnetic components may be used
- ✘ Oxygen analysis of inspired gas is inaccurate

Question Number : 106 Question Id : 5799659608 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Intraocular pressure is

Options :

- ✘ Decreased by glycopyrrolate
- ✘ Increased by hyperventilation
- ✔ Decreased by Halothane
- ✘ Increased by nondepolarizing muscle relaxants

Question Number : 107 Question Id : 5799659609 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Compared with adult haemoglobin, which of the following is a characteristic of fetal haemoglobin?

Options :

- ✘ It has a greater oxygen carrying capacity
- ✔ It has a lower p50
- ✘ It is more likely to cause an artificial increase in SpO₂
- ✘ It is more likely to sickle

Question Number : 108 Question Id : 5799659610 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following is most effective in decontaminating an anaesthesia machine that was splattered with HIV-contaminated blood?

Options :

- Bleach
- Deionized water
- Ethylene oxide
- Hydrogen peroxide

Question Number : 109 Question Id : 5799659611 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following is greater in an obese patient than in a nonobese patient of equal height?

Options :

- Millilitres of local anaesthetic required for epidural block
- Milligrams of succinylcholine required for intubation
- Clearance of Diazepam
- Clearance of fentanyl

Question Number : 110 Question Id : 5799659612 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A combined epidural and general anaesthetic is used for aortofemoral bypass surgery. Just prior to extubation, the patient received morphine 5 mg through the epidural catheter. Eleven hours later, he is unresponsive while breathing 40% oxygen from a face mask. Respiratory rate is 6 breaths/min and SpO₂ is 92%. Arterial Blood Gas analysis shows a PaO₂ of 80 mm Hg, PaCO₂ of 84 mm Hg and a pH of 7.16. Which of the following statements concerning this patient is true?

Options :

- Hypercarbia is contributing to the decreased level of consciousness
- Naloxone is ineffective for reversing the respiratory depression
- The oxygen saturation is higher than expected because of the pH
- The risk for respiratory depression would have been lower with subarachnoid administration of 0.5 mg morphine

Question Number : 111 Question Id : 5799659613 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A burn is found at the site of the electrocautery pad. Which of the following is most likely?

Options :

- The electrosurgical unit was in the bipolar mode
- The electrocautery pad became partially detached
- The electrosurgical unit ground wire was severed
- The line-isolation monitor alarmed

Question Number : 112 Question Id : 5799659614 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which property of oxygen is detected by the fail-safe device on the anaesthesia machine?

Options :

- Concentration
- Flow
- Pressure

4. ✘ Partial pressure

Question Number : 113 Question Id : 5799659615 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following nerves should be blocked for an operation at the medial aspect of the lower leg?

Options :

1. ✔ Femoral
2. ✘ Sciatic
3. ✘ Obturator
4. ✘ Common peroneal

Question Number : 114 Question Id : 5799659616 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

The effect of succinylcholine is terminated at postsynaptic effector cells by

Options :

1. ✘ Binding and uptake by effector cells
2. ✔ Diffusion into capillaries
3. ✘ Hydrolysis by junctional cholinesterase
4. ✘ Hydrolysis by pseudocholinesterase

Question Number : 115 Question Id : 5799659617 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A patient with alcoholic cirrhosis, ascites, and gastrointestinal bleeding receives 4 units of red blood cells prior to anaesthesia with isoflurane in oxygen for emergency exploratory laparotomy. After the peritoneum is opened and the fluid is drained, blood pressure decreases to 60/40 mm Hg and SpO₂ decreases to 90%. The most likely cause of the hypoxemia is

Options :

1. ✘ Acute myocardial ischemia
2. ✘ Decreased 2,3-diphosphoglycerate in transfused blood
3. ✘ Increased intrapulmonary shunting
4. ✔ Relative hypovolemia

Question Number : 116 Question Id : 5799659618 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 77 year old woman is still intubated and breathing spontaneously following a total hip replacement. The muscle relaxant has been reversed. Tidal volume is 400 mL, end-tidal carbon dioxide tension is 45 mm Hg, and SpO₂ is 98% at a FiO₂ of 1.0. On transfer from the operating table to the gurney, her heart rate increases from 65 to 100 bpm, and her blood pressure decreases from 130/80 to 80/50 mm Hg. End-tidal carbon dioxide tension (EtCO₂) is 30 mm Hg, and SpO₂ is 94%. The most likely diagnosis is

Options :

1. ✘ Anaphylactic reaction
2. ✘ Bronchospasm
3. ✘ Myocardial infarction
4. ✔ Pulmonary embolism

Question Number : 117 Question Id : 5799659619 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Arterial oxyhemoglobin desaturation develops more rapidly following apnoea in a pregnant patient at term than in a nonpregnant patient with a large intra-abdominal tumour. Which of the following findings in pregnancy is the most likely cause?

Options :

- ✘ Higher cardiac output
- ✔ Higher oxygen consumption
- ✘ Larger anatomic dead space
- ✘ Smaller blood volume

Question Number : 118 Question Id : 5799659620 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following best describes the relationship between cerebral perfusion pressure and CBF in a patient with untreated chronic hypertension?

Options :

- ✘ It is constant at mean blood pressure between 50 and 150 mm Hg
- ✘ It is linear for all blood pressures
- ✘ The flow-versus-pressure curve is hyperbolic
- ✔ The flow-versus-pressure curve is shifted to right

Question Number : 119 Question Id : 5799659621 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

The use of droperidol as a preanaesthetic medication has been associated with each of the following except

Options :

- ✘ Acute anxiety
- ✔ Anterograde amnesia
- ✘ Hypotension
- ✘ Extrapyramidal signs

Question Number : 120 Question Id : 5799659622 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Each of the following drug is a cause of central anticholinergic syndrome except

Options :

- ✘ Amitriptyline
- ✘ Atropine
- ✘ Promethazine
- ✔ Ranitidine

Question Number : 121 Question Id : 5799659623 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 24 year old woman requires anaesthesia for emergency repair of open fracture of the tibia and fibula. She used cocaine 2 hours ago. Blood pressure is 170/110 mm Hg. Each of the following is useful in managing the hypertension except

Options :

- ✘ Hydralazine
- ✘ Labetalol
- ✘ Nitroprusside
- ✔ Propranolol

Question Number : 122 Question Id : 5799659624 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Characteristics of a depolarizing neuromuscular block include

Options :

- ✘ Tetanic fade at 50Hz for 5 seconds
- ✘ Decreases train of four ratio
- ✘ Post tetanic facilitation
- ✔ Decreased twitch height

Question Number : 123 Question Id : 5799659625 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A previously healthy 28 year old woman who had a subarachnoid haemorrhage 2 days ago is scheduled for a craniotomy and clipping of an anterior communicating artery aneurysm. She is awake, oriented and neurologically intact. True statements concerning anaesthetic management include the following

Options :

- ✘ The arterial pressure should be maintained above the preoperative values during induction
- ✘ Hyperventilation to a PaCO₂ of 25 to 30 mm Hg should be initiated prior to endotracheal intubation
- ✘ Mannitol should be given immediately following induction
- ✔ The mean arterial pressure (MAP) should be decreased to 50 mm Hg if necessary for surgical exposure

Question Number : 124 Question Id : 5799659626 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

The duration of the anticoagulant effect of heparin is

Options :

- ✘ Independent of body temperature
- ✘ Determined primarily by renal excretion
- ✘ Prolonged two to three times with hypoalbuminemia
- ✔ Dose dependent

Question Number : 125 Question Id : 5799659627 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which one the the following is not an amide?

Options :

- ✘ Lignocaine
- ✔ Procaine
- ✘ Bupivacaine
- ✘ Debucaine

Question Number : 126 Question Id : 5799659628 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Sodium bicarbonate when given with local anesthetic has which of the following effects?

Options :

- ✔ Increases speed & quality of anesthesia
- ✘ Decreases diffusion of anesthetic drug
- ✘ Causes rapid elimination of local anesthetic

4. ✘ Decreases speed & quality of anesthesia

Question Number : 127 Question Id : 5799659629 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

An ICU patient on atracurium develops seizures after 2 days. The most probable cause is

Options :

1. ✔ Accumulation of laudanosine
2. ✘ Allergy to drug
3. ✘ Prolonged infusion
4. ✘ None of the given options

Question Number : 128 Question Id : 5799659630 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

In an ICU, following right subclavian vein cannulation, patient developed respiratory distress, hypotension and tachycardia. Chest examination revealed diminished air entry & decreased breath sounds on auscultation and hyperresonance on percussion towards right side of chest. Left sided breath sounds were minimally reduced. The probable diagnosis is

Options :

1. ✔ Tension pneumothorax
2. ✘ Acute MI
3. ✘ Air embolism
4. ✘ Pulmonary edema

Question Number : 129 Question Id : 5799659631 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

In a patient with fixed respiratory obstruction, helium is used along with oxygen instead of plain oxygen because

Options :

1. ✘ It increases oxygenation
2. ✔ It decreases turbulence
3. ✘ It decreases dead space
4. ✘ It provides analgesia

Question Number : 130 Question Id : 5799659632 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

For high pressure storage of compressed gases, cylinders are made up of:-

Options :

1. ✔ Molybdenum steel
2. ✘ Steel + Cu
3. ✘ Iron + Mo
4. ✘ Cast iron

Question Number : 131 Question Id : 5799659633 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

The most sensitive & practical technique for detection of myocardial ischemia in perioperative period is:-

Options :

- ✘ Magnetic resonance spectroscopy
- ✘ Radiolabelled lactate determination
- ✘ Direct measurement of end-diastolic pressure
- ✔ Regional valve motion abnormality detected with the help of 2D Trans-esophageal echocardiography

Question Number : 132 Question Id : 5799659634 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 23 year old man has sustained traumatic intracranial hemorrhage with evidence of raised ICP. He is intubated & requires transfer to a specialist neuro-surgical center. Which of the following is most likely to reduce his ICP?

Options :

- ✘ Increasing his PaO₂ from 9 to 12 kPA (67.5-90 mmHg)
- ✘ Sedation with ketamine
- ✔ Reducing PaCO₂ from 5.8 to 4.2 kPA (43.5-31.5 mmHg)
- ✘ 8 mg of dexamethasone

Question Number : 133 Question Id : 5799659635 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 75 year old man in the emergency department has a heart rate of 44 bpm & unrecordable BP. His pulses are not palpable. What is the first drug this patient should receive?

Options :

- ✘ Atropine
- ✔ Adrenaline
- ✘ Amiodarone
- ✘ Ephedrine

Question Number : 134 Question Id : 5799659636 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 68 year old woman with COPD & rheumatoid arthritis presents for a total shoulder replacement. You perform an interscalene nerve block using a nerve stimulator technique. What is the most likely complication in this patient?

Options :

- ✘ Recurrent laryngeal nerve palsy
- ✘ Pneumothorax
- ✘ Horner syndrome
- ✔ Phrenic nerve palsy

Question Number : 135 Question Id : 5799659637 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 74 year old man presents with a ruptured abdominal aortic aneurysm requiring an urgent laparotomy. He is normally on warfarin for rate controlled Atrial fibrillation. His INR preoperatively is 9.4. What is the most appropriate method for reversal of warfarin in this patient?

Options :

- ✘ Oral vit K
- ✘ Recombinant factor VIIa
- ✔ Prothrombin complex concentrate
- ✘ Cross matched Fresh frozen plasma

Question Number : 136 Question Id : 5799659638 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 28 year old man has climbed to an altitude of 6 km. He remains conscious and communicative. What is the most important physiological mechanism of acclimatization?

Options :

1. ✓ Increased minute ventilation
2. ✗ Increased sensitivity of central chemoreceptors
3. ✗ Increased 2,3 DPG
4. ✗ Increased erythropoietin

Question Number : 137 Question Id : 5799659639 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

Which of the following methods used to reduce pollution in the operating theater is least useful?

Options :

1. ✗ Low flow anesthesia
2. ✗ Regular air exchange in theater
3. ✗ Scavenging system
4. ✓ Use of heat & moisture exchanger (HME) filter

Question Number : 138 Question Id : 5799659640 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 28 year old patient with respiratory papillomatosis requires excision of numerous intra-tracheal papilloma. Which of the following techniques would be most appropriate to oxygenate & ventilate the patient during the procedure?

Options :

1. ✗ Endotracheal intubation
2. ✗ Laryngeal mask airway
3. ✗ Tracheostomy
4. ✓ High frequency jet ventilation

Question Number : 139 Question Id : 5799659641 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 22 year old woman presents with GCS of 3/15 following an intracranial hemorrhage. She is intubated, not making any ventilatory efforts and is thought to be brainstem dead. Which cranial nerve is not tested during brain stem death testing?

Options :

1. ✗ Optic nerve
2. ✓ Hypoglossal nerve
3. ✗ Facial nerve
4. ✗ Glossopharyngeal nerve

Question Number : 140 Question Id : 5799659642 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 33 year old woman presents with palpitations due to supraventricular tachycardia with a heart rate of 165 bpm. She has a BP of 132/84 mm Hg, GCS of 15/15 & no chest pain. Vagal maneuvers have been attempted but her rhythm remains unchanged. What would be the next most appropriate management?

Options :

1. ✓ 6 mg adenosine
2. ✗ 62.5 microgram digoxin
3. ✗ 300 mg amiodarone
4. ✗ 5 mg verapamil

Question Number : 141 Question Id : 5799659643 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 31 year old woman has a rapid sequence induction for an emergency cesarean section. Following delivery of baby, the obstetricians are concerned that uterus is not contracting well and the woman continues to bleed. What is the most likely anesthetic cause of uterine atony in this patient?

Options :

1. ✗ Nitrous oxide
2. ✗ Atracurium
3. ✓ Sevoflurane
4. ✗ Thiopentone

Question Number : 142 Question Id : 5799659644 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 63 year old man with severe Left ventricular failure requires immediate cardiovascular support. He is in a local district general hospital where the cardiologist has asked for your help. Which of the following would be the most appropriate next step?

Options :

1. ✗ Adrenaline infusion
2. ✗ Urgent coronary artery bypass graft
3. ✓ Insertion of intra-aortic balloon pump
4. ✗ Heart transplant

Question Number : 143 Question Id : 5799659645 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 65 year old woman is having an MRI scan of her head for unexplained severe headache. Which of the following implanted devices is an absolute contra-indication for performing the scan?

Options :

1. ✗ Joint prosthesis
2. ✗ Artificial heart valve
3. ✗ Sternal wires
4. ✓ Cochlear implant

Question Number : 144 Question Id : 5799659646 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 86 year old woman with diabetes mellitus and hypertension has a spinal anesthesia for dynamic hip screw. Her blood pressure decreases to 64/36 mm Hg which a heart rate of 68 bpm despite having full sensation to her chest wall. What is the most likely underlying pathophysiology?

Options :

1. ✓ Autonomic neuropathy
2. ✗ High spinal blockage
3. ✗ Hypovolemia

4. ✘ Myocardial ischemia

Question Number : 145 Question Id : 5799659647 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 86 years old woman presents with acute severe central abdominal pain with no guarding; respiratory rate of 32 breaths per minute, heart rate of 142 beats per minute, irregularly irregular, and a blood pressure of 86/52 mm Hg. A diagnosis of acute mesenteric ischemia is suspected. What arterial blood gas result would most strongly support this diagnosis?

Options :

1. ✘ Mixed respiratory and metabolic acidosis
2. ✔ Metabolic acidosis with large anion gap
3. ✘ Ketoacidosis
4. ✘ Metabolic acidosis with a normal anion gap

Question Number : 146 Question Id : 5799659648 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 26 year old woman who is 36 weeks gestation feels generally unwell. She has oxygen saturation of 97% on 15 L of oxygen via non rebreathing mask, a heart rate of 130 beats per minute and blood pressure of 88/55 mm Hg. What is the most important intervention to perform next on this patient?

Options :

1. ✘ Perform arterial blood gas sampling
2. ✘ Obtain intravenous access
3. ✘ Intubate and ventilate
4. ✔ Performs a left lateral tilt

Question Number : 147 Question Id : 5799659649 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 48 year old man, who is otherwise fit and healthy is having elective laparoscopic cholecystectomy. Intubation has been unsuccessful despite 4 attempts at direct laryngoscopy and 2 attempts through an intubating laryngeal mask airway (ILMA). What should be the next step?

Options :

1. ✘ Try third attempt to intubate through the ILMA
2. ✘ Apply external laryngeal manipulation to aid direct laryngoscopy
3. ✔ Postpone surgery and wake the patient up
4. ✘ Pass bougie and fill for clicks under direct laryngoscopy

Question Number : 148 Question Id : 5799659650 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

A 29 year old woman presents following an aspirin overdose. She has oxygen saturation of 98% on air, respiratory rate of 32 breaths per minute, heart rate of 108 bpm, blood pressure of 84/56 mm Hg & GCS of 13/15. Her arterial blood gas results shows pH 7.24, PaCO₂: - 3.6 kPa (27.5 mm Hg), PaO₂: - 11.4 kPa (85.5 mm Hg) & HCO₃⁻: - 18 mmol/L. Which best describes the therapeutic effect of sodium bicarbonate in this patient?

Options :

1. ✘ Increases tubular secretion of salicylates
2. ✔ Increases tubular ionization of salicylates
3. ✘ Reduced urine pH will reduce reabsorption
4. ✘ Treats the metabolic acidosis

Question Number : 149 Question Id : 5799659651 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

At the end of total abdominal hysterectomy performed on a 54 year old woman, she has no twitches on a train-of-four nerve stimulation as she has been given 20 mg of rocuronium 5 minutes previously. You administer 400 mg of sugammadex to reverse the neuromuscular blockage. Which best explains the mode of action of sugammadex?

Options :

- ✘ Directly hydrolyze rocuronium
- ✘ Forms complexes that are rapidly metabolized in the liver
- ✘ Inhibits acetylcholine esterase
- ✔ Creates a concentration gradient for rocuronium to diffuse away from the neuromuscular junction

Question Number : 150 Question Id : 5799659652 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.33

You perform a needle cricothyroidectomy for a 'can't intubate, can't ventilate' scenario. Which one of the following is true regarding cricothyroid membrane?

Options :

- ✘ It lies between the thyroid cartilage & hyoid bone
- ✘ It is an avascular structure
- ✘ It is at the level of 5th cervical vertebrae
- ✔ There are no vessels or nerves penetrating it