

Subject: Veterinary Surgery & Radiology

1. This drug is used with certain antibiotics to compete with their renal excretion there by prolonging duration of their action
 - a. Tazobactam
 - b. Sulbactam
 - c. Probenecid
 - d. Clavulanic acid

2. The mechanism of action of sterilization with ethylene oxide is
 - a. Coagulation and denaturation of cellular protein
 - b. Release of free oxygen
 - c. Generation of free radicals
 - d. Alkylation of RNA, DNA, and protein

3. Volume of whole blood required from a donor dog having 40% PCV to raise the PCV of a 20 kg dog from 15% to 25% will be
 - a. 500 ml
 - b. 450 ml
 - c. 400 ml
 - d. 600 ml

4. Spores of which organism are used to check the effectiveness of gas sterilization
 - a. *B. Anthracis*
 - b. *B. Stearothermophilus*
 - c. *M. Tuberculosis*
 - d. *B. Subtilis*

5. This needle holder used for general surgery is without finger rings, has a ratchet lock at the proximal end of the spring loaded handles, which permits locking and unlocking simply by progressively squeezing the handles together
 - a. Mayo-Hegar needle holder
 - b. Olsen-Hegar needle holder
 - c. Mathieu needle holder
 - d. Castroviejo needle holder

6. Repeated large doses of commonly used artificial colloids can cause abnormal coagulation associated with
 - a. A reduction in factor VIII and von Willebrand factor
 - b. A reduction in factor I and factor II
 - c. A reduction in factor III and factor IV
 - d. A reduction in factor VII, IX and factor X

7. Addition of this to chlorhexidine solution increases its antimicrobial activity more than several 100 folds
- Hydrogen peroxide
 - Acetic acid
 - Tris EDTA
 - Dakin's solution
8. The minimum time and temperature standard for a prevacuum sterilizer is
- 3 to 4 minutes at 135° C
 - 20 to 30 minutes at 135° C
 - 20 to 30 minutes at 121° C
 - 5 to 10 minutes at 121° C
9. Approximate pH of povidone iodine solution is
- 3.2
 - 7.0
 - 9.0
 - 10.3
10. During metabolic acidosis, the bicarbonate needed (mEq) is calculated by the following formula
- $0.3 \times \text{Base deficit (mEq)} \times \text{Body weight (Kg)}$
 - $3.0 \times \text{Base deficit (mEq)} \times \text{Body weight (Kg)}$
 - $0.3 \times \frac{\text{Base deficit (mEq)}}{\text{Body weight (Kg)}}$
 - $3.0 \times \frac{\text{Base deficit (mEq)}}{\text{Body weight (Kg)}}$
11. This haemostat forceps has longitudinal grooves over the jaws with cross-grooves at the tip ends
- Kelly
 - Crile
 - Halsted
 - Rochester-Carmalt
12. A suture for intestinal anastomosis in which the needle enters the serosa and passes out through the submucosa or muscularis and then enters the submucosa or muscularis of the opposite side and emerges from the serosa is called
- Gambee suture
 - Czerny suture
 - Lembert suture
 - Schmeidian suture
13. Use of electrical stimulation to enhance transdermal medication administration is called
- Inosculation
 - Iontophoresis
 - Electrophoresis
 - Acuphoresis

14. Administration of prophylactic antibiotics should be stopped
- 24 hours after surgery
 - 72 hours after surgery
 - 5 days after surgery
 - 7 days after surgery
15. Lignocaine, the first choice in ventricular arrhythmias, is administered initially as an I/V bolus @
- 0.002 mg/kg
 - 0.02 mg/kg
 - 2.0 mg/kg
 - 6.0 mg/kg
16. Which of the following is not a sign of General Somatic Efferent System Lower Motor Neuron disease?
- Muscle paresis or paralysis
 - Hypotonia or atonia
 - Neurogenic atrophy
 - Hypereflexia or normal reflexia
17. The initial dose of hypertonic saline in a dog suffering from shock is approximately
- 5 ml/kg @ 1 ml/kg/min
 - 25 ml/kg @ 1 ml/kg/min
 - 66 ml/kg @ 10 ml/kg/min
 - 90 ml/kg @ 10 ml/kg/min
18. The alveolar concentration of an inhalant anaesthetic that satisfactorily anaesthetizes most of the individuals of a species for surgery is usually equal to
- 0.1 - 0.5 MAC
 - 0.5 - 1.0 MAC
 - 1.2 - 1.5 MAC
 - 2.8 - 3.2 MAC
19. American College of Veterinary Anesthesiologists (ACVA) was established in the year.....
- 1965
 - 1975
 - 1980
 - 1982

20. For estimating the percentage of total body surface area (TBSA) involved in burns, both hind limbs in dogs roughly represent about
- 9% of TBSA
 - 18% of TBSA
 - 36% of TBSA
 - 12% of TBSA
21. On lateral thoracic radiographic view, the contact of the heart with the sternum increases and the cardiac apex is lifted away from the sternum in the enlargement ofin dogs
- Left atrium
 - Left ventricle
 - Right atrium
 - Right ventricle
22. Which formula correct to calculate oxygen content in the blood?
- $(\text{hemoglobin concentration} \div 1.34 \times \text{percent saturation}) + (0.003 \times \text{PO}_2)$
 - $(\text{hemoglobin concentration} \times 1.34 \times \text{percent saturation}) + (0.003 \times \text{PO}_2)$
 - $(\text{hemoglobin concentration} \times 1.34 \times \text{percent saturation}) \div (0.003 \times \text{PO}_2)$
 - $(\text{hemoglobin concentration} \times 1.34 \div \text{percent saturation}) + (0.003 \times \text{PO}_2)$
23. Which of the following inhalant anaesthetics achieves fastest brain: blood equilibrium?
- Desflurane
 - Enflurane
 - Halothane
 - Isoflurane
24. Which of the following local anaesthetic is used most frequently used for topical analgesia of the eye?
- Butacaine
 - Mepivacaine
 - Tetracaine
 - Proparacaine
25. Sensitivity of different species of animals to the sedative effects of xylazine are in the order of
- Pig > Dogs > Cattle > Goats
 - Goats > Cattle > Dogs > Pig
 - Dogs > Cattle > Goats > Pig
 - Cattle > Goats > Dogs > Pig
26. Which of the following do not have an antagonist?
- Benzodiazepines
 - Cyclohexamines
 - Opioids
 - Alpha₂ agonists

27. Small Animal Immobilon contains
- Etorphine 7.4 mg/ml & Methotrimeprazine 18 mg/ml
 - Etorphine 0.74 mg/ml & Methotrimeprazine 18 mg/ml
 - Etorphine 0.074 mg/ml & Methotrimeprazine 18 mg/ml
 - Etorphine 0.74 mg/ml methotrimeprazine 1.8 mg/ml
28. The image magnification factor at optimum FFD of 90 to 100 cm in veterinary radiography is
- 1.01
 - 1.05
 - 1.1
 - 1.2
29. Tungsten is used in the filament of the cathode or target of the anode of an x-ray tube because it has the melting point at
- 370°C
 - 3370°C
 - 3070°C
 - 3007°C
30. The degree to which a normal or neoplastic tissue visibly changes during or after radiotherapy is called
- Radiosensitivity
 - Radiocurability
 - Radioresponsiveness
 - Radioresistance
31. Which group of organs or tissues is comparatively more radio-resistant?
- Brain, spinal cord, muscles
 - Buccal cavity, stomach, intestine
 - Skin, lungs, spermatogonia
 - Spermatogonia, lymphoid tissue, capillaries
32. A dog is generally considered positive for hip dysplasia or hip subluxation, if the Norberg angle is
- <135°
 - <105°
 - >105°
 - <125°
33. Codman's triangle is associated with
- Hip dysplasia
 - Shoulder luxation
 - Bone neoplasia
 - Empyema of Guttural pouch

34. Systolic (SAP), mean (MAP), and diastolic (DAP) arterial pressures in awake healthy animals are approximately
- 100–120mmHg, 80–100mmHg, and 60-80 mmHg, respectively
 - 140–160mmHg, 120–140mmHg, and 100-120 mmHg, respectively
 - 140–160mmHg, 100–110mmHg, and 85–95 mmHg, respectively
 - 390-110mmHg, 70-90, and 50-70 mmHg, respectively
35. A universal blood donor dog is one who is negative for dog erythrocyte antigens
- All 13 dog erythrocyte antigens
 - Antigens 1.1, 1.2, 3, 4, 5 and 7
 - Antigens 1.1, 1.2, and 7
 - Antigens 1.1,3, and 7
36. Most common drug used specifically for altering T cell function to prevent rejection of transplanted organ in veterinary practice is
- Cyclophosphamide
 - Cyclosporine
 - Cyclopentolate
 - Cyclohexamine
37. Dysmetria is usually a sign of lesion in the
- Cerebrum
 - Cerebellum
 - Medulla
 - Spinal cord
38. The term used for anastomosis of graft vessels with recipient bed vessels
- Inosculation
 - Uranoplasty
 - Staphyloplasty
 - Staphylorrhaphy
39. Hyperkalemia is seen in cases of
- Anorexia and vomiting
 - Induced diuresis
 - Obstructive urolithiasis
 - Diarrhoea
40. Vessel rich tissues (Brain, liver, heart and kidneys), which constitute < 10% of the body mass, receive about% of cardiac output
- 30
 - 50
 - 70
 - 90

41. Considerable haemorrhage during surgery will have the following effect on thiopentone anaesthesia
- Delays recovery
 - Hasten recovery
 - Recovery unaffected
 - Violent recovery
42. A drug induced state of deep sleep from which the patient cannot be easily aroused is called
- Narcosis
 - Hypnosis
 - Sedation
 - Tranquilization
43. Barbiturates in order of increasing duration of action are
- Pentobarbital, Methohexital, Phenobarbital
 - Methohexital, Phenobarbital, Pentobarbital
 - Phenobarbital, Methohexital, Pentobarbital
 - Methohexital, Pentobarbital, Phenobarbital
44. Which of the following combination is odd
- Etorphine - Naltrexone
 - Cyclohexamine - Tiletamine
 - Diazepam - Flumazenil
 - Alpha-2 agonists - Atipamizole
45. The inhalant anaesthetics in their decreasing order of metabolism in the body are
- Halothane, Nitrous oxide, Sevoflurane, Isoflurane, Methoxiflurane
 - Sevoflurane, Halothane, Nitrous oxide, Isoflurane, Methoxiflurane
 - Nitrous oxide, Isoflurane, Halothane, Sevoflurane, Methoxiflurane
 - Methoxiflurane, Halothane, Sevoflurane, Isoflurane, Nitrous oxide
46. Esmarch bandage is used to
- Temporary immobilization of fracture
 - Bandage ears after haematoma surgery
 - Immobilize shoulder joint
 - Exsanguinate before IVRA
47. The alpha-2 agonists in descending order of specificity for alpha-2 receptors are
- Detomidine, medetomidine, xylazine, romifidine
 - Medetomidine, romifidine, detomidine, xylazine
 - Xylazine, detomidine, detomidine, romifidine
 - Medetomidine, xylazine, detomidine, romifidine

48. Approximate speed of ultrasound through soft tissues is
- 330m/sec
 - 640m/sec
 - 1640m/sec
 - 4030m/sec
49. Acoustic enhancement, an artifact in diagnostic ultrasonography, is seen deeper to
- Bone
 - Soft tissue
 - Air
 - Liquid
50. Multiple anechoic structures having bright hyperechoic periphery in the hepatic parenchyma are
- Portal veins
 - Hepatic veins
 - Hepatic arteries
 - Bile ducts
51. Which of the following statement is true for a normal dog
- The spleen is hypoechoic than the renal cortex but isoechoic to the liver
 - Renal cortex is hypoechoic than the liver but isoechoic to spleen
 - The liver is hyperechoic than the renal cortex but isoechoic to the spleen
 - The renal cortex is hypoechoic or isoechoic to liver and more hypoechoic than the spleen
52. Continuous wave Doppler echocardiography uses
- One piezoelectric crystal
 - Two piezoelectric crystals
 - Three piezoelectric crystals
 - Multiple piezoelectric crystals
53. Which of the following diagnostic modality uses a laser?
- Computed tomography
 - Magnetic resonance imaging
 - Direct digital radiography
 - Computed radiography
54. The rate of realignment of protons from transverse plane to longitudinal plane in MRI is called
- T₁ relaxation time
 - T₂ relaxation time
 - T₃ relaxation time
 - Transverse relaxation time

55. Hounsfield units in computed tomography range from
- 0 for air to 100 for bone
 - Minus 100 for air to 0 for water to 100 for bone
 - Minus 1000 for air to 0 for water to 1000 for bone
 - Minus 1000 for water to 0 for air to 1000 for bone
56. Which of the following is an example of iodine based non-ionic positive contrast agent for radiography
- Meglumine iothalamate (Conray 420)
 - Iopamidol (Niopam 370)
 - Meglumine diatrizoate (Urographin 150)
 - Sodium metrizoate (Isopaque 350)
57. Which of the following statement is not true about photoelectric effect
- It increases with the increase in atomic number of the tissue (absorber)
 - It increases the radiation dose of the patient as all energy produced by photoelectric effect is absorbed by the patient
 - It decreases by using high kVp
 - Since all energy produced by photoelectric effect is absorbed by the patient it results in loss of contrast of the image
58. The frequency of therapeutic ultrasound lies in the range of
- 0.1-1 MHz
 - 1-3 MHz
 - 3-5 MHz
 - 5-10 MHz
59. Which of the following urinary calculi are usually radiolucent?
- Triple phosphate calculi
 - Urate and cystine calculi
 - Calcium oxalate calculi
 - Struvite calculi
60. MRI does not provide good detail of which of the following structures of vertebral column?
- Inter vertebral disk
 - Epidural fat
 - Vertebrae
 - Spinal cord

61. Which of the following intramedullary implant provides bending, axial, and rotational support?
- IM pin
 - IM nail
 - IM interlocking nail
 - Rush pin
62. The diameter of pins used for transfixation in external fixators should be approximately% of the bone diameter
- 10%
 - 20%
 - 50%
 - 65%
63. The Meniscal tear occurs in the
- Shoulder joint
 - Elbow joint
 - Coxofemoral joint
 - Stifle joint
64. Ortolani' sign is used to diagnose
- Vertebral column instability
 - Rupture of cruciate ligaments
 - Cerebellar hypoplasia
 - Hip dysplasia
65. The amount of periosteal callus formation during fracture healing is
- Directly proportional to the size of haematoma
 - Indirectly proportional to the size of haematoma
 - Related to the need for ancillary stabilization of the fracture fragments as healing progresses
 - Has no relation to the stabilization of fracture fragments
66. Which of the following statements about fracture healing is wrong?
- When a bone is subjected to stress, electro-positivity occurs on the convex surface and electro-negativity on the concave
 - The regions of electro-negativity are associated with osteoclastic activity and regions of electro-positivity with osteoblastic activity
 - Variations in oxygen tension leads to the formation of either bone or cartilage
 - Cartilage is formed in areas in which oxygen tensions are relatively low

67. The four zones of articular cartilage are in the following order from superficial to the deep layers
- Calcified zone, radial zone, tangential zone, and transitional zone
 - Calcified zone, tangential zone, transitional zone, and radial zone
 - Tangential zone, radial zone, transitional zone, and calcified zone
 - Tangential zone, transitional zone, radial zone, and calcified zone
68. Plaiting, an abnormal gait, is most often seen in a horse with following conformation
- Base-narrow toe-out
 - Base-narrow toe-in
 - Base-wide toe-out
 - Base-wide toe-in
69. Which of the following is not true about stringhalt in equines?
- Surgical treatment of stringhalt is lateral digital extensor tenotomy
 - Result of surgical treatment of string halt is not instantaneous
 - Stringhalt can occur as outbreaks and can be treated by changing the ration/ fodder
 - Cunean tenotomy is the surgical treatment of choice in stringhalt
70. Abnormal flexion of fetlock joint occurs when there is
- Contracture of deep digital flexor
 - Contracture of suspensory ligament
 - Contracture of superficial digital flexor
 - Green osselets
71. Sequestrum is characteristic sign of
- Osteomyelitis
 - Osteosarcoma
 - Osteomalacia
 - Osteoperiostitis
72. Onychectomy means
- Removal of testes
 - Declawing
 - Excision of nodule of spirocerca
 - Removal of retained testicle
73. For the diagnosis of ununited anconeal process, the most correct radiographic position of elbow joint is
- M/L extended
 - M/L flexed
 - A/P extended
 - A/P flexed

74. Carpal check ligament desmotomy is indicated in the
- Contraction of deep digital flexure tendon
 - Contraction of superficial digital flexure tendon
 - Contraction of suspensory ligament
 - Contraction of superior check ligament
75. The bone that fractures when caught in nut cracker fashion in equines is
- Navicular bone
 - Proximal sesamoids
 - Os pedis
 - Accessory carpal bone
76. 'Buttress foot', a swelling above the dorsal surface of hoof wall at the coronary band, is not caused by
- Avulsion fracture of the extensor process
 - Low ring bone
 - Direct trauma at dorsal coronet region
 - High ring bone
77. Schiff Sherrington phenomenon is observed when the spinal cord lesion lies in
- C2-C5 segment
 - C6-T2 segment
 - T2-L3 segment
 - L4-S3 segment
78. Intercapital ligament has been proposed as a major factor in the low incidence of IVD protrusion in the
- T11-L3 region
 - C6-T2 region
 - L4-S3 region
 - T2-T10 region
79. Monteggia fracture is
- Dislocation of head of radius with fracture of upper 1/3rd shaft of the ulna
 - Caudal dislocation of olecranon process with fracture of the upper one-third of the shaft radius
 - Fracture of distal 1/3rd of radius and ulna
 - Fracture of ulna without involvement of radius

80. A conformation of the foot where the foot axis is steeper than the pastern axis or the hoof-pastern axis is broken forward at the coronary band is called
- Club foot
 - Coon foot
 - Buttress foot
 - Contracted foot
81. The treatment for fibrotic and ossifying myopathy is
- Removal of semimembranosus or its tenotomy
 - Removal of semitendinosus or its tenotomy
 - Removal of biceps femoris or its tenotomy
 - Removal of gracilis or its tenotomy
82. Typical sign of rupture of peroneus tertius muscle in horse is
- Hock can be extended without extending stifle
 - Overextension of hock and stifle joint
 - Over flexion of hock on each step
 - Dropped hock
83. The desirable surface pore size in the ceramic implants for facilitating in growth of bone and tissues is.....
- 10-15 μm
 - 25-30 μm
 - 50-75 μm
 - 100-150 μm
84. Which of the following is not likely to happen in posterior dislocation of hip?
- Sciatic nerve injury
 - Femoral nerve injury
 - Fracture of acetabular rim
 - Avascular necrosis of femoral head
85. Ranulas are associated with
- Mandibular or sublingual salivary glands
 - Mandibular and parotid salivary glands
 - Parotid and sublingual salivary glands
 - Renal cysts
86. Cheiloplasty is performed to correct defective
- Hard palate
 - Hare lip
 - Corneal ulcer
 - Nasal septum

87. Uranoplasty is the repair of
- Ureters
 - Soft palate
 - Persistent uracus
 - Hard palate
88. An epidermal inclusion cyst found in the false nostril of horse
- Dermoid
 - Dentigerous cyst
 - Atheroma
 - Mucocele
89. Hyo-vertebrotomy is a surgical procedure for treating
- Spinal cord compression
 - Fractures of atlas
 - Fractures of hyoid bone
 - Empyema of guttural pouch
90. Which of the statements is false?
- There is no communication between frontal and maxillary sinuses in cattle
 - There is no communication between frontal and maxillary sinuses in horses
 - Maxillary sinus is the largest of sinuses in horses
 - The frontal sinus does not communicate directly with the nasal passage in horses
91. Wharton duct is the duct of
- Parotid salivary gland
 - Sublingual salivary gland
 - Mandibular salivary gland
 - Zygomatic salivary gland
92. Which of the following statement is true for equines?
- Roots of 1st and 2nd molar teeth only protrude into the maxillary sinus
 - Roots of 2nd and 3rd molar teeth only protrude into the maxillary sinus
 - Roots of 1st, 2nd and 3rd molar teeth protrude into the maxillary sinus
 - Roots of only 1st molar teeth only protrude into the maxillary sinus
93. Which muscles of the eye ball are supplied by 6th cranial nerve
- Superior and inferior oblique muscles of the eye ball
 - External (lateral) rectus and posterior rectus (retractor bulbi) muscle
 - All five rectus muscles of the eye ball
 - Inferior oblique and posterior rectus muscle of the eye ball

94. Aqueous humor is produced by
- Choroid
 - Iris
 - Pectinate ligaments
 - Ciliary body
95. Corticosteroids are indicated in all of the following conditions except
- Seasonal allergic conjunctivitis
 - Anterior uveitis
 - Proptosis of the globe
 - Corneal epithelial defect.
96. Hotz-Celsus procedure is used to correct
- Cleft palate
 - Hare lip
 - Ectropion
 - Entropion
97. The number of permanent teeth in dogs is
- $2 \times (I\ 3/3, C\ 1/1, P\ 4/4, M\ 2/3) = 42$ teeth
 - $2 \times (I\ 0/3, C\ 0/1, P\ 3/3, M\ 3/3) = 32$ teeth
 - $2 \times (I\ 3/3, C\ 1/1, P\ 3-4/3, M\ 3/3) = 40$ or 42 teeth
 - $2 \times (I\ 3/3, C\ 1/1, P\ 3/2, M\ 1/1) = 30$ teeth
98. Outpouching of oesophageal mucosa through ruptured submucosa and muscularis is called
- Oesophageal traction diverticulum
 - Oesophageal dilatation
 - Oesophagocele
 - Oesophageal achalasia
99. Which group of drugs is contraindicated in the management of glaucoma?
- Sympathomimetics
 - Sympatholytics
 - Parasympathomimetics
 - Parasympatholytics
100. The hilus of the lungs in cattle is located opposite the
- 4th IC space
 - 5th IC space
 - 6th IC space
 - 7th IC space

101. The intercostal incisions should be placed
- Along cranial border of the ribs
 - Along caudal border of the ribs
 - Along caudal border of first 5 ribs and cranial border of caudal ribs
 - Along cranial border of fixed ribs and caudal border of floating ribs
102. Which of the following cartilage of larynx is a complete ring in dogs?
- Epiglottic
 - Arytenoid
 - Cricoid
 - Thyroid
103. A non-epithelialized cavity in the lung produced by disruption of intra alveolar septa but intact visceral pleura is known as
- Bleb
 - Bulla
 - Pneumocele
 - Pneumatocele
104. In persistent right aortic arch, the major symptoms are due to disturbances in
- Respiratory system
 - Digestive system
 - Cardio-vascular system
 - Nervous system
105. Which one of the following is an acquired disease?
- Aortic stenosis
 - Patent ductus arteriosus
 - Mitral valve insufficiency
 - Pulmonic stenosis
106. A complex congenital heart defect that consists of pulmonic stenosis, ventricular septal defect, a dextropositioned overriding aorta, and right ventricular hypertrophy
- Arthrogryposis
 - Tetralogy of Fallot
 - Cardiac tamponade
 - Cyclops
107. Ventriculo-cordectomy is the procedure for
- Resection of vocal cords
 - Resection of proventriculus
 - Ventricular septal defect
 - Resection of pericardium from the ventricles

108. Mediastinum is complete in
- Cat
 - Dog
 - Cow
 - Horse
109. Which of the following plain radiographic findings is not confirmatory of diaphragmatic hernia in bovine?
- Presence of potential foreign bodies in the thoracic cavity
 - Presence of non potential foreign bodies in the thoracic cavity
 - Presence of honey comb structure of reticulum in the thoracic cavity
 - Presence of barium filled reticulum in the thoracic cavity
110. Episioplasty refers to
- Epiphyseal repair
 - Repair of vulva
 - Repair of pubic symphysis
 - Epidermal transplantation
111. Which of the following statements is true about the blood supply of mammary glands in bitches?
- Glands 1 and 2 supplied by intercostals and thoracic vessels; Glands 2 and 3 by cranial superficial epigastric vessels; and Glands 4 and 5 by caudal superficial epigastric vessels
 - Gland 1, 2 and 3 supplied by intercostals and thoracic vessels; and Glands 4 and 5 by caudal superficial epigastric vessels
 - Glands 1, 2 and 3 supplied by cranial superficial epigastric vessels; and Glands 4 and 5 by caudal superficial epigastric vessels
 - Glands 1 and 2 supplied by cranial superficial epigastric vessels; and Glands 3, 4 and 5 by caudal superficial epigastric vessels
112. Crural hernia is also known as
- Gut tie
 - Bubonocoele
 - Inguinal hernia
 - Femoral hernia
113. Spaying bitches after first estrus reduces the incidence of mammary tumours to about
- 0.5%
 - 8%
 - 20%
 - 26%
114. Utrecht technique is to perform
- Right flank omentopexy
 - Right flank abomasopexy
 - Left flank abomasopexy
 - Left flank omentopexy

115. This is not a symptom in traumatic pericarditis
- Jugular pulse
 - Abducted elbows
 - Forelimb oedema
 - Brisket oedema
116. The structures of pelvic diaphragm from medial to lateral are
- External anal sphincter, Coccygeus muscle, Levator ani, Sacrotuberous ligament
 - External anal sphincter, Levator ani, Sacrotuberous ligament, Coccygeus muscle
 - External anal sphincter, Coccygeus muscle, Sacrotuberous ligament, Levator ani
 - External anal sphincter, Levator ani, Coccygeus muscle, Sacrotuberous ligament
117. Which arteries are often avulsed in dogs with gastric dilatation and volvulus?
- Left gastroepiploic arteries
 - Short gastric arteries
 - Right gastroepiploic arteries
 - Pancreatic artery
118. Which part of the equine colon has one taenia?
- Ventral colon and small colon
 - Small colon and right dorsal colon
 - Pelvic flexure and left dorsal colon
 - Pelvic flexure and left ventral colon
119. Which approach to the equine abdomen is most common
- Left flank approach
 - Right flank approach
 - Paramedian approach
 - Ventral midline approach
120. In grade II rectal tears
- Only serosa is torn
 - Only mucosa and submucosa are torn
 - Only muscularis is torn
 - Only serosa and muscularis are are torn

Key

1.	C
2.	D
3.	B
4.	D
5.	C
6.	A
7.	C
8.	A
9.	A
10.	A
11.	D
12.	B
13.	B
14.	A
15.	C
16.	D
17.	A
18.	C
19.	B
20.	C
21.	D
22.	B
23.	A
24.	D
25.	B
26.	B
27.	C
28.	C
29.	B
30.	C

31.	A
32.	B
33.	C
34.	C
35.	C
36.	B
37.	B
38.	A
39.	C
40.	C
41.	A
42.	A
43.	D
44.	B
45.	D
46.	D
47.	B
48.	C
49.	D
50.	A
51.	D
52.	B
53.	D
54.	A
55.	C
56.	B
57.	D
58.	B
59.	B
60.	C

61.	C
62.	B
63.	D
64.	D
65.	C
66.	B
67.	D
68.	A
69.	D
70.	C
71.	A
72.	B
73.	B
74.	A
75.	D
76.	D
77.	C
78.	D
79.	A
80.	B
81.	B
82.	A
83.	D
84.	B
85.	A
86.	B
87.	D
88.	C
89.	D
90.	B

91.	C
92.	C
93.	B
94.	D
95.	D
96.	D
97.	A
98.	C
99.	D
100.	B
101.	A
102.	C
103.	B
104.	B
105.	C
106.	B
107.	A
108.	C
109.	A
110.	B
111.	A
112.	D
113.	B
114.	D
115.	C
116.	D
117.	B
118.	C
119.	D
120.	C