

Equine Concepts and Procedures List

Complete the items in the CLEAR boxes please!



Restraint	Know Concept	Do Procedure
Sample signature		JJD
Application of twitch		
Ear restraint		
Skin fold restraint		
Stud shank over nose, in mouth, on gums		
Breeding hobbles and breeding roll		
Casting foal		
Leading foal with rump rope		
Application of blindfold		
Application of tail rope		
Loading difficult horse for transport		
Use of bib, cradle and muzzle		
Quick release knot		
Bowline knot		
Two methods for tying leg for castration		
Elevate and hold front leg		
Elevate and hold rear leg		

Physical Examination	Know Concept	Do Procedure
Basic complete physical examination		
Colic examination		
Ophthalmic examination		
Dental/oral examination		
Lameness examination		
Prepurchase examination		
Neurologic examination		

Surgical	Know Concept	Do Procedure
Bandage foot		
Application of three layer leg wrap		
Application of splints		
Application of cast		
Remove shoe		
Level foot/trim		
Subsolar abscess		
Hoof repair		
Remove granulation tissue		
Eyelid laceration repair		
Enucleation		
Castration		
Caslick's		
Suture laceration		
Subpalpebral lavage		
Hemicircumferential periosteal transection		
Repair umbilical hernia		
Float teeth		
Remove wolf teeth		
Remove hooks, cut molar/premolars		
Cut incisors		
Review power dental instruments		
Tracheotomy		
Sinocentesis		

Cytologic examination	Know Concept	Do Procedure
Endometrial		
Transtracheal		
BAL		
Joint fluid		
Peritoneal fluid		

Diagnostics	Know Concept	Do Procedure
Catheterize urethra (male and female)		
Biopsy mass (true-cut needle)		
ECG tracing		
Abdominocentesis		
Arterial/venous blood gas		
Flush nasolacrimal duct		
Endoscopy pharynx/larynx		
Atlanto-occipital tap		
Lumbo-sacral tap		
Passage of guttural pouch catheter		
Thoracocentesis		
Transtracheal wash		
Bronchoalveolar lavage		
Liver biopsy		
Palpation of abdominal organs		
Bone marrow collection		
Skin biopsy		
Skin scraping		
Perform Snap test (IgG)		
Estimate IgG using colostrometer		
Determine milk calcium for foaling		
Do PCV/total protein		
Multistick analysis of urine		
Urine specific gravity		
Fecal occult blood		
Fecal examination for parasites		
Gram stain slide and evaluate		
Diff-quick slide and evaluate		
Pass nasogastric tube		
Calculate fluid therapy rate/volume		
IV jugular injection		
IV cephalic vein injection		
IM injection technique (multiple sites)		
Sub-Q injection		
Place IV catheter		
Oxygen therapy		
Subconjunctival injection		

Radiology/imaging/therapeutics	Know Concept	Do Procedure
Radiograph lower extremities		
Ultrasound tendons		
Ultrasound reproductive system		
Ultrasound chest		
Ultrasound abdomen		
Shockwave		
Thermography		
Scintigraphy		

Reproduction	Know Concept	Do Procedure
Breeding soundness mare		
Breeding soundness stallion		
Collect/process semen for shipment		
Staging estrous cycle		
Pregnancy exam - 14d to term		
Uterine lavage/therapies		
Treat retained placenta		
AI (fresh, chilled, frozen)		
Manipulate/correct common dystocias		
Place tail wrap (mare)		
Placental examination		
Abortion workup		
Fetal well-being assessment		

Anesthesia/pain control	Know Concept	Do Procedure
Detomidine, xylazine, ace, torbugesic and diazepam		
Local line infiltration		
Epidural		
IV ketamine and xylazine or detomidine		
Triple drip		
Nerve blocks		
4 point below carpus		
4 point above fetlock		
Abaxial sesmoid		
Palmar/plantar digital		
Auriculopalpebral		
Supraorbital		
Joint blocks (intra-articular injection)		
Coffin		
Fetlock		
Carpal		
Hock		
Stifle		

Miscellaneous	Know Concept	Do Procedure
Herd health principles (vac, deworm, etc..)		
Interstate and export health certificates		
Coggins form		
Aging by teeth and other means (tattoo, etc)		
Estimate weights, body condition		
Height stick		
Euthanasia		

Please have a veterinarian initial in the clear box when you have completed that item.

You must have this list completed prior to graduation or you will not receive your diploma!

Please turn in the completed list to Dr. Reardon in the Office of Academic Affairs.

Try to have most items completed at the Blacksburg or Leesburg campuses.

You may also have veterinarians at equine practices sign your books.