**Materials, Instruments, and Animals for Clinical Skills of Classroom Apprenticeship**

**8 Clinical Skills**

**Assisting in Surgery Skills**

Preparing a Surgical Site of a Dog

Removing Sutures in a Dog

Preparing a Surgical Pack for Sterilization

Opening a Surgical Pack

Gowning & Gloving for Surgery

**Assisting in the Laboratory Skills**

Using a Microscope

**Assisting in Bandaging Skills**

Applying Bandage to Leg of a Horse

Removing Bandage From Leg of a Horse

1. Preparing a Surgical Site of a Dog – **dressed hen, surgical scrub materials, surgical instruments, table**
2. Removing Sutures in a Dog – **surgical instruments**
3. Preparing a Surgical Pack for Sterilization – **tray, surgical instruments, tray wrap, table**
4. Opening a Surgical Pack – **wrapped tray with surgical instruments**
5. Gowning & Gloving for Surgery – **wrapped surgical gown, packaged surgical gloves**
6. Using a Microscope – **microscope & accessories, table**
7. Applying Bandage to Leg of a Horse – **haltered horse, bandage materials**
8. Removing Bandage From Leg of a Horse – **bandage scissors**

**Surgical scrub materials**

1 container antiseptic scrub

(Betadine® or Chlorhexadine®)

1 package surgical sponges (4”x4”)

1 container surgical rinse (alcohol)

1 table

**Surgical materials**

1 surgical tray

1 surgical tray cloth wrap

1 cloth-wrapped surgical gown (XL)

1 paper-fold packaged surgical gloves (XL)

1 table

**Surgical instruments**

1 suture roll

1 suture needle

1 suture needle holder

1 suture scissors

1 thumb forceps

1 surgical scissors

1 hemostat forceps

1 scalpel handle & blade

1 bandage scissors

**Bandage materials**

1 package gauze pads (3”x8”) Telfa®

1 stretch bandage rolls (4”x75”) Curity®

1 cotton rolls (16”x54”)

2 brown gauze bandage rolls (3”x180”)

4 elastic bandage tape rolls (4”x180”) Vetrap®

3 elastic adhesive tape rolls (3”x108”) ElastiKon®

**Laboratory materials**

1 microscope

1 electrical 1ight

1 microscope slide & cover slip

1 bottle immersion oil

1 box lens wipes

1 table

**Animals**

1 dressed hen

1 haltered horse

**12 Clinical Skills**

**Assisting in Restraining & Handling Small Animals Skills**

Removing a Dog From a Cage

Restraining a Dog in Sternal Recumbency

Removing a Cat From a Cage

Restraining a Cat in Lateral Recumbency

**Assisting in Restraining & Handling Large Animals Skills**

Tying a Bowline Knot on a Horse

Tying a Clove Hitch on a Horse Stanchion

Tying a Reefer’s Knot on a Horse Stanchion

Placing a Tail Tie on a Cow

Haltering a Cow

Using a Nose Tong in a Cow

Haltering a Horse

Using a Nose Twitch and Clamp in a Horse

1. Removing a Dog From a Cage – **dog, collar, leash, cage**
2. Restraining a Dog in Sternal Recumbency – **table**
3. Removing a Cat From a Cage – **cat, cage**
4. Restraining a Cat in Lateral Recumbency – **table**
5. Haltering a Horse – **horse, nylon halter, lead rope**
6. Tying a Bowline Knot on a Horse – **cotton rope**
7. Using a Nose Twitch and Clamp in a Horse – **chain/rope nose twitch, nose clamp**
8. Tying a Clove Hitch on a Horse Stanchion – **cotton rope, stanchion**
9. Tying a Reefer’s Knot on a Horse Stanchion – **cotton rope**
10. Haltering a Cow – **cow/steer/heifer, rope halter, lead rope, chute**
11. Using a Nose Tong in a Cow – **nose tong, rope**
12. Placing a Tail Tie on a Cow – **cotton rope**

**Animal materials**

1 dog collar

1 dog leash

1 dog cage

1 cat cage

1 horse nylon halter/lead rope

3-10 ft cotton ropes

1 chain/rope twitch

1 nose clamp

1 horse stanchion (parallel bars, vertical bars)

1 cattle chute

1 cattle rope halter/lead rope

1 nose tong/rope

2 tables

**Animals**

1 dog (30-50#)

1 cat (10-15#)

1. horse

1 cow, heifer, or steer

**20 Clinical Skills**

1. Describes vaccinations for cattle.
2. Describes vaccinations for horses.
3. Describes vaccinations for sheep & goats.
4. Describes vaccinations for dogs.
5. Describes vaccinations for swine.
6. Describes vaccinations for cats.
7. Recognizes the symptoms commonly associated with animals affected by rabies.
8. Uses procedures that ensure personal safety when handling animals suspected of having rabies.
9. Demonstrates a basic understanding of the most commonly used veterinary drugs.
10. Properly identifies and disposes of expired substances.
11. Keeps assigned work areas clean and orderly.
12. Demonstrates a basic knowledge of sanitary procedure.
13. Describes (or demonstrates) the proper method for administration of a paste or topical drug on an equine patient.
14. Describes (or demonstrates) the proper method for administration of a bolus, paste or topical drug on a bovine patient.
15. Describes (or demonstrates) the proper method for administration of tablets, capsules, liquid and topical drugs for canine and feline patients.
16. Selects the correct syringes on demand from the veterinarian.
17. Correctly fills syringes with medication as directed.
18. Recognizes intravascular, intramuscular, subcutaneous, and intraperitoneal applications.
19. Selects correctly the needle gauge and length requested by the veterinarian.
20. Properly disposes of syringes, needles and other sharp objects commonly used in the veterinary clinic.

**Vaccines (Vials, Package Inserts, Cartons)**

Cattle Vaccines (5-10-dose vials

Clostridium (7- or 8-way Blackleg)

Leptospira (5-way Lepto)

BRD (IBR-PI3-BVD-BSRV) (Killed)

BRD (IBR-PI3-BVD-BSRV) (Modified-Live)

Sheep & Goat Vaccines (5-10-dose vials)

Clostridium (CD) with Tetanus (CD-T)

Swine Vaccines (5-10-dose vials)

Erysipelas

Leptospira (6-way Lepto)

Parvo

Horse Vaccines (1-dose vials)

Encephalitis (EW) with Tetanus (EW-T)

Encephalitis (WN)

Rabies

Dog Vaccines (1-dose vials)

Distemper with Hepatitis-Lepto-Parvo (DHL-P)

Rabies

Cat Vaccines

Panleukopenia

Leukopenia

Rabies

**Drugs & Chemicals (Vials, Package Inserts, Cartons**

Antibacterials & Antibiotics

Oxytetracycline (LA-200®) (50 cc vial)

Penicillin (10 cc vial)

Furazolidine (Topazone® or Furox®) (aerosol can)

Ophthalmic Antibiotic Ointment Tube

Disinfectant

Chlorhexidine Solution (Nolvasan® or Chloradine®) (empty container)

Dewormers

Horse Paste Syringe (Ivermectin®)

Cattle Paste Gun (Safeguard®)

Cattle Liquid Pour-On (Ivomec®)

Cattle Bolus (Safeguard® or Tramisol®)

**Supplies**

Tables (9)

Chairs (36)

Dummy Dog

Dummy Cat

Dummy Steer Head

Dummy Horse Head

Dog Collar

Dog Leashes (2)

Dog Head Snare & Handle

Sterile Water or Saline Solution (4-10cc vials)

Tablets (salt or aspirin)

Capsules (gelatin)

Balling Gun (cow)

Biohazard Container

Syringes

1-40 cc

2-12 cc

10-3 cc

Needles

10-20G x ½ inch

5-20G x 1 inch

1-18g x 1 inch

1-18 G x 1½ inch

1-16 G x 1 inch

1-16 G x 1½ inch

Oranges (4)

White Socks (4)

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