

Materials, Instruments, and Animals for Clinical Skills for the 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 light

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)