Veterinary Science
Preparatory Training for the Veterinary Assistant
Floron C. Faries, Jr., DVM, MS
Miscellaneous Non-Infectious Diseases

Floron C. Faries, Jr., DVM, MS
Objectives

- Describe diseases of the endocrine system
- Describe stress disorders
- Discuss heat exhaustion and heat exertion
- Discuss types of burns, cuts, fractures, and sprains
Stress

- Causes
  - Pregnancy
  - Birthing
  - Milking
  - Weaning
  - Shipping
  - Commingling
  - Working
  - Hot Weather
  - Cold Weather
Effects

- Reduction of health
- Reduction of production
- Reduction of growth
- Reduction of resistance
- Reduction of usability
- Reduction of normal behavior
Physical Disorders

- Hyperthermia (heat stroke, heat exertion)
  - Hot, humid, poorly ventilated environment
  - Sun overexposure
  - High body temperature

- Heat exhaustion
  - Hard work in intense heat
Burns

- Sun rays
- Chemicals
- Hot liquids and objects
- Fire flames
- Friction
- Electricity
- Hypothermia
  - Cold weather
    - Low body temperature
    - Frost bite/skin burn

- Trauma
  - Soft tissue wounds – open, puncture
  - Bone fractures
  - Tendon, ligament sprains
Endocrine Disorders

- High level of hormones
- Low level of hormones
- Imbalance of hormones
- Hyperfunctions of endocrine glands
- Hypofunctions of endocrine glands
Cardiovascular Disorders

- Circulatory shock
  - Reduction in blood volume
    - Bleeding
    - Burns
    - Intestinal obstruction
    - Prolonged urination
    - Persistent vomiting
    - Persistent diarrhea
    - Heart failure
    - Infectious diseases instead of non-infectious diseases
Digestive Disorders

- Alimentary canal from mouth to anus
  - Trauma
  - Excess gas
  - Obstruction
  - Displacement
  - Tumors
Urinary Disorders

- Kidneys, ureters, bladder, urethra
  - Trauma
  - Obstruction
  - Kidney failure
  - Tumors
Neoplasms

- Tumors
  - Benign
  - Malignant (cancer) – metastasize (metastasis)