

STATION NUMBER 1:

Cow 2 years old, brought to clinic, suffering from loss of appetite, un able to be swallowing, swelling in the mandibular bone with systemic reaction.

A- What is your suspected diagnosis?

B- What is your Deferential diagnosis?



Answer:

A- Actinomycosis (Lumpy jaw)

B- D.D.

- Inflammation of parotid gland
- Mandibular Trauma or foreign body
- Snake bite
- Mandibular Neoplasia

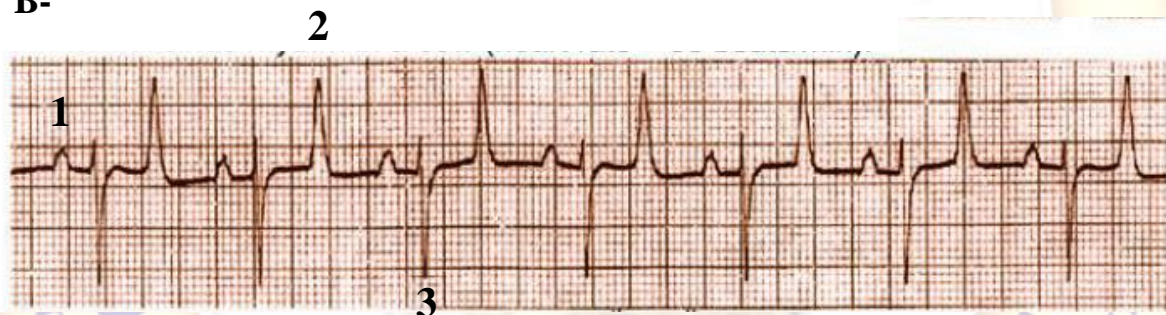
STATION NUMBER 2:

**A- A calve 7 days old, with Bradycardia, diarrhea and sever acidemia.
Mention the abnormality in it is below ECG.**

A-



B-



B- Mention the name of the following (1 , 2 , 3) parts of normal cow ECG.

Answer:

A: P-wave absent and T-wave shortness

B: 1- P-wave , 2- T-wave , 3- R- wave

STATION NUMBER 3:

Ewe 3years old brought to clinic, suffering from mucoid nasal discharge, moist coughing, congested of mucous membrane and systemic reaction. During auscultation of lung: Moist ralse sound and polypnea.

A- What is your diagnosis?

B- Mention the line of treatment of this case?



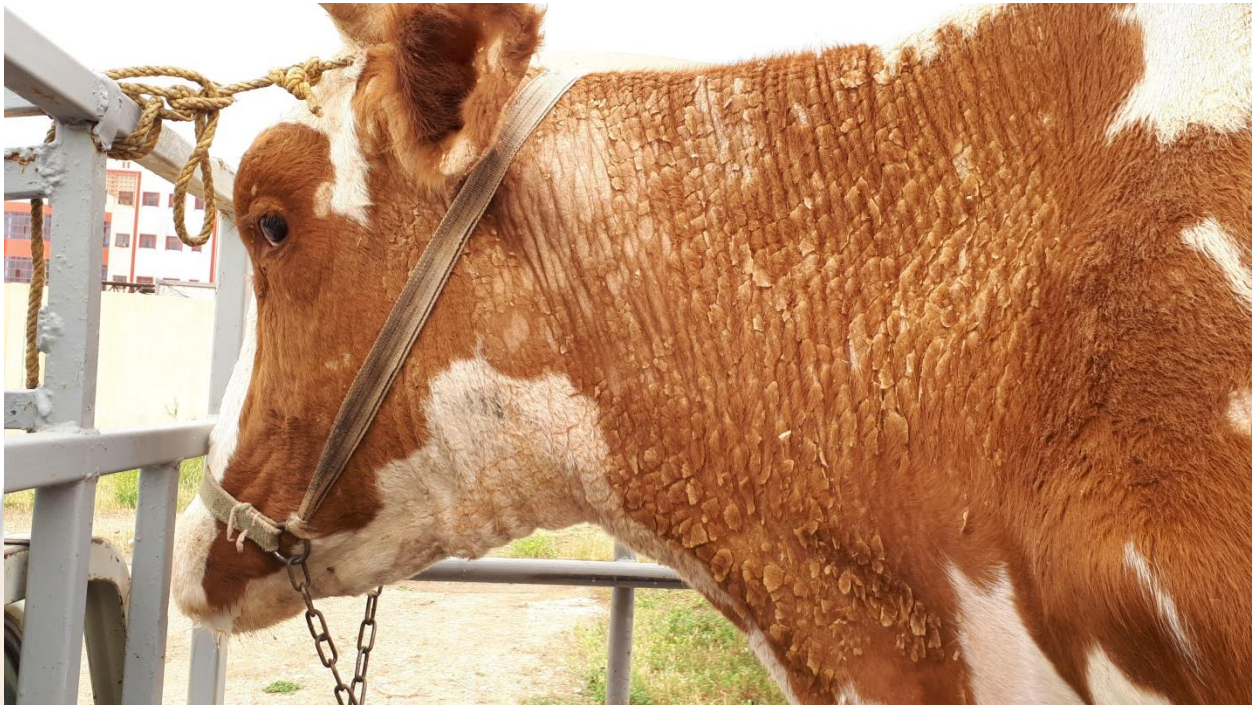
Answer:

A- Broncho-pneumonia

B- Oxytetracycline (LA.) 20%, 10mg/Kg. B.wt. I/M. for 2days interval between first and second injection 24 hours.

STATION NUMBER 4:

Cow 2years old, brought to clinic suffering from anorexia, loss of hair from different parts of the body, hyperkeratosis of skin with dandruffs and No itching. What are your diagnosis and treatment of this case?



Answer:

Diagnosis:

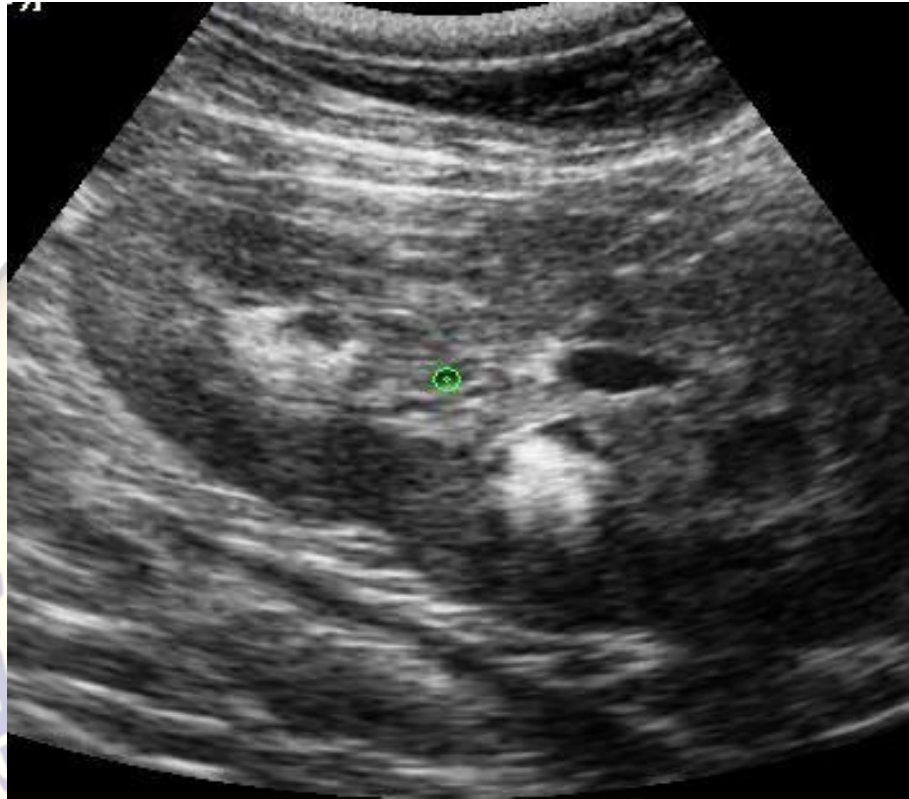
Zinc deficiency.

Treatment:

- 1- Zinc should be added to diet immediately at rate of 200mg of Zinc sulfate or carbonate per Kg. of feed.
- 2- The injection of Zinc at rate of 2-4 mg/Kg BW. Daily for 10 days.
- 3- The oral administration of Zinc at rate of 250 mg. of Zinc sulfate daily for 4 weeks.

STATION NUMBER 5:

Mention the name of the organ and mention the name of this examination technique. Note : The examination from left side



Answer:

Left Kidney
Ultrasonography

STATION NUMBER 6:

Cow less than 2 years suffering from profuse salivation, dysphagia, protrusion of the tongue, enlarged submandibular and retropharyngeal lymph nodes, and swelling under the jaw. Oral examination reveals a very firm, painful and swollen tongue. What is the diagnosis and Prognosis of this case?



Answer:

Wooden tongue (*Actinobacillus*)

Bad prognosis

STATION NUMBER 7:

Cow 4years old, suffering from anorexia, general body icterus with systemic.

1- What is your Diagnosis?

2- Mention the line of treatment of this case.



Answer:

1- *Anaplasmosis*

2- Diminazine Aceturate 3.5mg/Kg. I/M single dose.

Or Oxytetracycline 10-20mg/ Kg. BW. I/M. for 2days.

STATION NUMBER 8:

The below cases brought to clinic, suffering from weakness of humeral and femoral muscle and paresis of hind limbs. without loss of appetite and No systemic reaction.

A- What is your diagnosis of these cases?

B- What is your prognosis of these cases?



Answer:

Vitamin E and selenium deficiency. (Favorable prognosis if treated early)

Border disease (Hopeless case).

Rickets (Favorable prognosis if treated early)

STATION NUMBER 9:

Enumerate three diseases with the causative agents cause abortion in cows.



Answer:

Brucellosis (*B. abortus* & *B. melitensis*)

Toxoplasmosis (*T. gondii*)

Akabane virus (Bunyaviridae, Simbu)

Trichomoniasis (*T. vaginalis* or *T. foetus*)

STATION NUMBER 10:

Cow 5 years old has a history of parturition. In addition, affected cow appears ataxic, anorexic and general muscular weakness leading to sternal recumbency with lateral tern of neck. Auscultation reveals no rumen motility with increase of respiratory and heart rates.

A- What is the diagnosis?

B- Mention the line of treatment of this case.



Answer

Post parturient Paresis (hypocalcaemia or milk fever)

Calcium borogluconate solution 250 ml i.v & remaining 250ml s.c.

STATION NUMBER 11:

Mare 3years old, brought to clinic suffering from anorexia, fever, enlargement submandibular lymph node, star shape lesion (Stellate scar) in the nasal septum, coughing with purulent nasal discharge.

What are your diagnosis, the causative agent and prognosis?



Answer:

Glanders

Burkholderia mallei

Hopeless

STATION NUMBER 12:

Cow 4 years old, Sudden die with un-clotted bloody discharge from body orifices, incomplete rigor mortis and rapidly bloat.

A- What is your suspected diagnosis?

B- Mention the causative agent.

B- What is your deferential diagnosis?



Answer:

A: Anthrax

B: *Bacillus anthracis*

C:

1. Blackleg
2. Acute Leptospirosis
3. Bacillary Hemoglobinuria
4. Botulism
5. Peracute lead poisoning
6. Hypomagnesemic tetany
7. Snake bite
8. Acute bloat

STATION NUMBER 13:

Dog infested with ticks in deferent part of body.

A- Mention two diseases transmitted by ticks to the dogs.

B- Mention two types of hard ticks infested dogs.

C- What is the drug of choice of this case. With the dose and rout of administration?



Answer:

A: Babesiosis and Ehrlichiosis

B: *Rhipicephalus* spp. and *Boophilus* spp.

C: Ivermectine 0.02mg/Kg. BW. S/C. repeated after seven days.

Or Organophosphorous application (5% Ectomethrine) locally.

STATION NUMBER 14:

Drug A

- 1- What is the indication of this drug?
- 2- Mention the scientific dose
- 3- Mention the route of administration

Answer:

A= Pens. Strep.

- 1- For gram positive and negative (Foot rot, Mastitis, post-operative care)
- 2- 10000-22000 IU/Kg BW.
- 3- I/M for 5 days.

Drug B

- 1-What is the indication of this drug?
- 2- Mention the scientific dose
- 3- Mention the route of administration

Answer:

B= Calcium Borogluconate,

- 1- For (Milk fever, Hypomagnesmic tetany, Ca deficiency)
- 2- 500-1000ml/ animal.
- 3- S/C , I/V or Orally.