

# GOAT HEALTH

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## NORMAL GOAT TPR

- Temperature (rectal): 101.5-104 F
  - Temps can be compared to herd mates to determine the impact of the ambient conditions.
- Pulse/ Heart rate: 70-90 beats/minute.
- Respiration rate: 12-20 breaths/minute.
  - Can be elevated on hot days.

# FAMACHA

- Old school of thought was to deworm every month.
  - Resistance!!!
- New school of thought is to check FAMACHA score and base deworming (if needed) from that.

# FAMACHA



## FAMACHA

- One – No need to deworm.
- Two – No need to deworm.
- Three – Is the animal acting normal, not lethargic? Probably does not need to be dewormed. Is the animal acting off, lethargic, off feed? Consider deworming, but look into other causes of symptoms.
- Four – Deworm!
- Five – Deworm! Most likely needs a blood transfusion to have a chance at survival.

# PARASITES

- All livestock will have some level of parasites.
- 20% of the herd harbors 80% of the parasites.
  - This fact suggests that a genetic component exists within a population of animals that allows the majority of the herd to have some level of resistance to internal parasites.

# DEWORMERS

- Every farm is different!
  - One dewormer that is effective at one farm may not work at another due to resistance issues.
- One dewormer or two?
  - Sometimes one dewormer can do the trick.
  - Other times, two dewormers from different drug classes can be used together to produce a synergistic effect. But remember.... Resistance!!!

## DEWORMERS

- After treating animals, leave them in a confined area for 24-48 hours before moving them to clean pasture.
- During this time, they should be fed in feed bunks to reduce ingestion of parasites eggs.



## DRUG CLASSES FOR DEWORMERS

AM	I/T	BZ
Ivermectin	Levamisole	Fenbendazole
Doramectin		Albendazole
Moxidectin		

# CORID

- Need to supplement Thiamine while giving corid!
  - Better safe than sorry.
- American Consortium for Small Ruminant Parasite Control
  - Has a dewormer chart for goats.

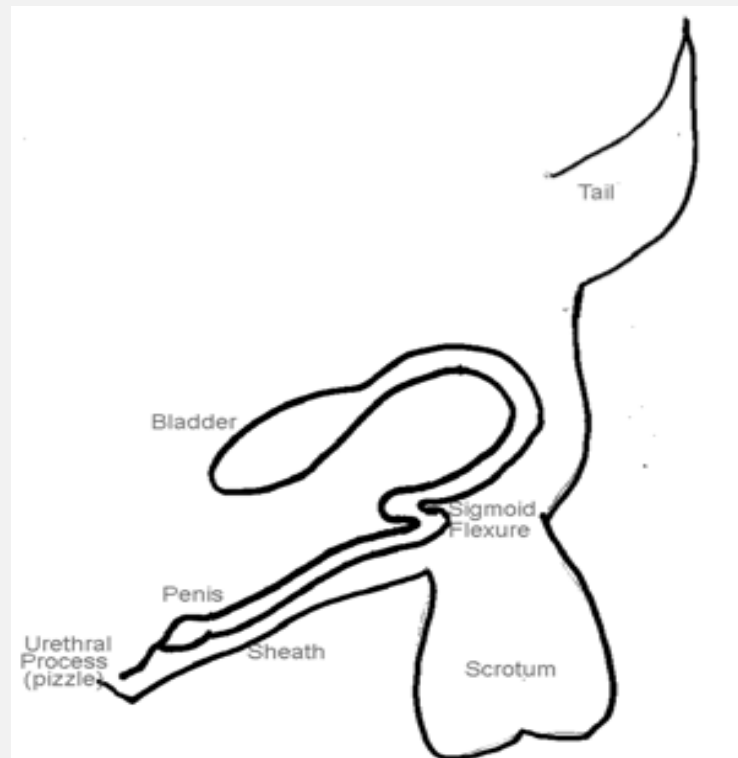
## SURGICAL CASTRATION

- My favorite way to castrate!
- Sedation is used to reduce stress and pain.
- Usually done in the field and a very short procedure.
- Spermatic cords are double ligated to reduce chance of hemorrhage.
- Pain meds are administered during procedure.
- A tetanus antitoxin injection is usually administered, but there is a tetanus antitoxin shortage so all goats must be up to date on CDT vaccination.

## BLOCKED MALE GOATS

- **Urolithiasis**
- Urinary calculi are concentrations of mucus, protein, and minerals in the urinary tract.
- Most commonly seen in show or pet goats that have high concentrate and low roughage diets.
- Will usually block at urethral process or the distal sigmoid flexure.

## BLOCKED MALE GOATS



## BLOCKED MALE GOATS

- May or may not be due to early castration.
- Clinical signs
  - Unable to urinate
  - Straining to urinate
  - Vocalizing when trying to urinate
  - Painful
  - Tail flagging
  - “Water Belly”- urethral rupture

## BLOCKED MALE GOATS

- Prevention:
  - Goats should have access to fresh/clean water 24/7. Flushing of urinary tract helps prevent stones.
  - Use of Ammonium Chloride in feed to help reduce the pH of the urine to between 6.1 - 6.5. Use for 7-10 days. Depends of the product.
  - Boy goats should not get grain unless absolutely necessary.

## BLOCKED MALE GOATS





# PREGNANCY TOXEMIA

- Common metabolic disease in sheep and goats that results from the inability of the dam to maintain glucose homeostasis in the face of increasing energy demands from multiple fetuses during late gestation.
- Clinical signs:
  - Anorexia
  - Mental dullness
  - Weakness lack of coordination
  - Head pressing
  - Teeth grinding

# PREGNANCY TOXEMIA

- Treatment
  - Nutridrench
  - Propylene glycol (60-200ml PO q12hours for 6 days)
  - Vit B complex injections
  - Gatorade
  - Induce labor
  - C-section

## KEEP ON HAND

- Dewormers
- Vit B complex/Thiamine
- Bo-Se (Selenium and Vit E)
- Nutridrench
- Propylene glycol
- Red cell
- Baking soda
- Probios
- Betadine
- Wound care

## ATTENTION!!!

- Starting in June of this year, all OTC antibiotics will become prescription only!
- Make sure to get established with a vet! Especially, in case of emergencies.

THANK YOU!

- Any further questions?