



AILMENT MANAGEMENT SERIES

~ MINI COURSE ~

Urinary Calculi: A Reference for Emergency Situations

The Giving Goat, LLC

DISCLAIMER: I am not a vet, nor am I a licensed professional. I am in no way a “goat expert” and my opinions are only that of personal experiences, and my insights shared are not veterinary treatment suggestions (I am NOT a vet). I am simply sharing my own personal opinions and knowledge. Any and all changes to your goats' health regimen, care, etc. should be approved by a veterinary professional or licensed professional.

Symptom Checker

Frequent laying down/getting up (restlessness)

General lethargy/malaise

Stretching, Arching,
Hunching

Dribbling Urine

Screaming while
attempting to urinate

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Early Treatment Regimen

Begin dosing Ammonium Chloride (diluted in water or juice) at 1 tsp per 75lbs bodyweight every 12 hours

Alternative to AC:

15cc white vinegar, 15cc pure cranberry juice, 2 human vitamin c chewables (crushed)

Aspirin: 325mg per 10lbs; Children's Ibuprofen Liquid: 1cc per 10lbs

Dose an anti-inflammatory to allow stones to pass more easily. Banamine at 1cc per 100lbs SubQ is preferred. OTC human meds are not recommended in case the goat ultimately receives surgery.

Apply a warm compress to the sheath to reduce inflammation and soften stones. Manually remove any visible stones from urethra tip if present.

If no improvements after day 1, the pain and danger is too severe to continue home treatment.

Please note the oral acidification options are not helpful for calcium oxalate stones (usually only caused by beet pulp in common diets).

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Surgical Treatments

At-Home Option: “Pizzle Cut” Procedure
Put the goat on its rump and expose the tip of the urethral process, snip it to allow easier passage of stones/urine.

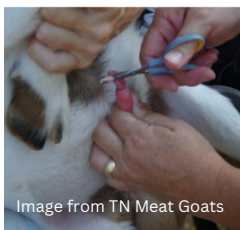


Image from TN Meat Goats

Please see article by Tennessee Meat Goats for tutorial:
<https://www.tennesseemeatgoats.com/articles2/urinarycalculi.html>

Veterinarian Required: Invasive Surgery
See following page for in-depth medical explanations of the types of surgeries (optional to read, but helpful to know!)

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Know The Surgeries

**Common options*

Tube Cystotomy

Common, requires full anesthesia. Allows for a tube to relieve urine pressure from bladder, bypassing the urethra entirely. Temporary procedure until stones are gone and urethra is healed, but often the tube can be left in longer than commonly suggested. Vesicular irrigation should be discussed with surgeon as well.

Perineal Urethrostomy

Less common due to high risk of stricture (narrowing due to scar tissue/trauma). Involves an incision made through the perineum to create a urethral opening.

Bladder Marsupialization

Creates a brand new location from the bladder to excrete urine (long-term). However, urine scald and dermatitis is common due to frequent leaking of urine onto skin.

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Recovery

- Remove causative factors
- Continue oral acidification measures (ammonium chloride and formula below)
- Follow post-surgery directions if applicable.

Homemade Support Formula (dose 1-3x weekly)

15cc Pure Cranberry Juice
1/2 tsp Cinnamon
1/2 tsp Turmeric
1/2 tsp Ginger
1/4 tsp Cayenne
1/2 tsp Raw Organic Honey



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For further questions:

Email: thegivinggoat@gmail.com

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Facebook: [The Giving Goat Natural Goat Care & Blog](https://www.facebook.com/TheGivingGoatNaturalGoatCare&Blog)

**Please always contact both your mentor
and a veterinarian at the first sign of UC.
University teaching hospitals often have
the best surgical success.**

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