

# Uterine Prolapse in the Bovine Patient

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# Uterine Prolapse

True Emergency

Distinct from Vaginal Prolapse



# Predisposing Factors

- overweight
- confined
- multiparous
- hypocalcemia
- dystocia



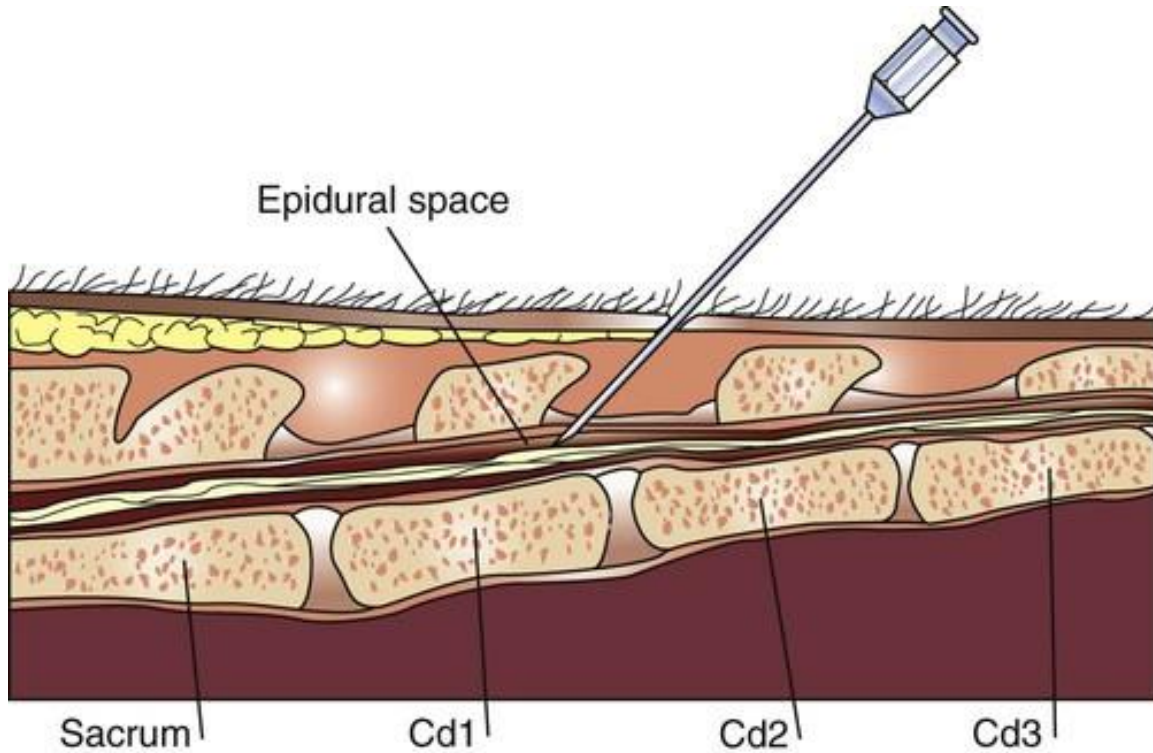
# Treatment

1. Physical Exam
2. Correct Position of Cow
3. Place Epidural



Photo source: Rebhuns Diseases of Dairy Cattle

# Bovine Epidural Procedure



[https://veteriankey.com/wp-content/uploads/2016/08/B9780323077323000138\\_f012-006-9780323077323.jpg](https://veteriankey.com/wp-content/uploads/2016/08/B9780323077323000138_f012-006-9780323077323.jpg)



Clip hair if needed  
Scrub with surgical scrub (Chlorhexidine, Iodine)  
6-8cc 2% lidocaine, 18G 1.5 inch needle

#### 4. Remove placenta

#### 5. Replace Uterus

-Elevate uterus with plank or board,  
2 assistants needed

-start with portion of uterus nearest  
to cervix.

-use a closed fist or keep fingers  
together when manipulating uterus.



<https://www.nddb.coop/sites/default/files/Prolapse%20of%20uterus%20after%20calving.jpg>

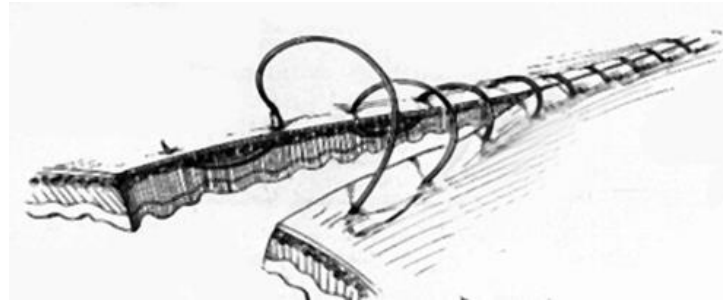


[https://www.researchgate.net/publication/326799077\\_Recurrent\\_post-partum\\_uterine\\_prolapse\\_in\\_a\\_primi-parous\\_Mehsana\\_buffalo-A\\_case\\_report](https://www.researchgate.net/publication/326799077_Recurrent_post-partum_uterine_prolapse_in_a_primi-parous_Mehsana_buffalo-A_case_report)

# Complications:

- lacerations
- additional organs within prolapse
- necrosis

Use an inverting pattern such as a Cushing pattern and monofilament absorbable suture for uterine laceration repair



<https://inpractice.bmj.com/content/38/1/23>

## 6. Confirm inversion of uterine horns is completely corrected

- Manual Reduction
- Reduction with 12-15 liters clean water
  - Requires tube, large bucket, manual pump



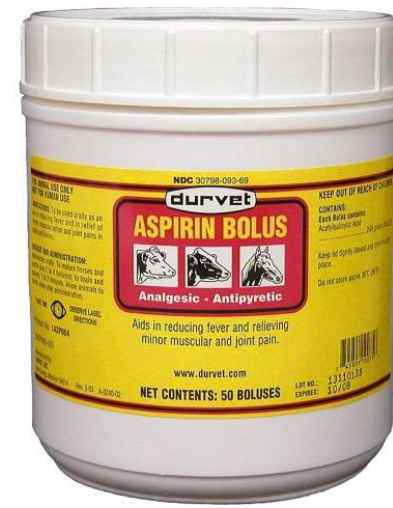


## 7. Administer NSAID:

Aspirin bolus or flunixin

meglumine **\*\*36 hour milk withhold, 96hour meat withhold\*\***,

oxytocin: 50-100 USP (2.5-5 mL) IM



### Aspirin Bolus:

- 3 boluses (250grains/15.5grams per bolus) for large cow

### Flunixin Meglumine (Banamine®)

1 mg/kg IV



# Retained Placenta and Metritis

-ceftiofur or penicillin  
recommended at the time of  
replacement

-recheck patient 3 days later if  
possible



# Hysterectomy

-salvage procedure

-only used in the USA to allow an animal to survive for transport to a processing facility.

- Place 1 meter of 3/16" latex tubing or umbilical tape as a ligature just in front of the cervix. Tighten ligature and place 5 throws. Transect 6-9cm cranial to ligature. Ligatures can be added to control hemorrhage.

# A Summary of Vaginal Prolapse

- Not an emergency
- Genetic predisposition
- More common in over-conditioned animals
- Can be replaced and the vulva sutured until the time of calving, however this is likely to reoccur prior to each future parturition

