**Disbudding of Kid Goat**

**Preoperative**

History

* Important aspects of history include
  + Diet plan
  + Past or present illnesses
  + Past or present medications used
  + Past surgeries or procedures
  + Deaths or illnesses in the herd
  + Vaccination history

Signalment

* ID#: 144
* Age: 2 week old
* Breed: Saanan
* Sex: Male
* Weight: 20 kg
* BCS: 3.5/5

Presurgical Exam

* Distance Exam
  + Assess the environment the patient is in, including any faecal matter found.
  + Assess cleanliness and airflow of the environment.
  + Assess the patient’s behaviour, gait, and stance.
  + Assess the patient’s respiration rate, and look for lesions, discharges, or abnormalities.
* Physical Exam
  + Perform a 5 station physical exam on the animal, looking for abnormalities.

**Anesthesia**

A combination of alpha 2 agonist xylazine, ketamine and butorphanol is given intravenously via the jugular or cephalic vein. This combination (KXB kid mixture) is made by using 10ml (100mg/ml) ketamine, 1ml (20mg/ml) xylazine and 1 ml (10mg/ml) butorphanol. This is then given at 0.1ml/5kg IV. Goat kid should be fully anaesthetized before procedure.

**Analgesia**

Although butorphanol is given, it only reduces pain for 2 hours after disbudding. Meloxicam a non-steroidal anti-inflammatory agent is also given (0.5 mg/kg) which provides analgesic effects for up to 24 hours after disbudding and can minimize stress and pain associated with procedure.

**Restrain**

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<https://www.youtube.com/watch?v=R9gYG5JSpvs&ab_channel=Chick-a-WoofRanch>

Goat is placed in a kid disbudding box for safety and to limit movement which may affect procedure.

**Equipment testing**

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Disbudding iron should reach a cherry red glow and when placed on a piece of wood it should leave a depressed black ring indicating optimum temperature.

**Disbudding area prepping**

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Hair surrounding the horn buds should be clipped to make surgical area clearly visible and to reduce smoke released with disbudding iron from burnt hair.

Links-

<https://inpractice.bmj.com/content/41/9/433?int_source=trendmd&int_medium=cpc&int_campaign=usage-042019>

<http://www.comstockequine.com/storage/app/media/Proper_Disbudding_Technique_in_Goats.pdf>

<file:///C:/Users/salin/Desktop/yr3sem2/yr4sem1/35523-Article%20Text-126454-1-10-20180130%20(1).pdf>

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