

Laryngeal Hemiplegia is characterised by paresis/ paralysis of the **arytenoids** (mainly on the left side), resulting in an inspiratory noise (roaring) during exercise.

Causes:

- ✓ Damage to the cricoarytenoid muscle
- ✓ Damage to the Recurrent Laryngeal nerve (branch of Vagus nerve)

Prosthetic Laryngoplasty (Tie back)

Sx done to correct Laryngeal Hemiplegia:
-A permanent suture used to tie the arytenoid cartilage in a fully open position so it cannot collapse

Pre-Op

- Antibiotic (IV) and tetanus anti-toxoid (IM)
- Place animal under GA, w/ neck extended
- Aseptic skin prep
- Inject 2% Lido SQ in the area of the incision

Intra-Op

- Lidocaine is place on the arytenoid cartilage before applying the suture.
- Use endoscope to ensure the suture is placed in the correct location.

Post-Op

- Antibiotics
- Analgesic (Phenylbutazone)
- Stall rest for about 4 weeks w/ hand walking followed by 2 weeks of small paddock work. Can return to exercise in about 6-8 weeks
- Incision area has to be cleaned and drained (if needed) everyday.

Re-check in 24hrs, using endoscope to ensure the arytenoid is maintained in an abducted position.
Follow up in 4 weeks