- The tie-back procedure is performed with the horse in lateral recumbency with th side up.
- Following appropriate surgical preparation and draping a horizontal incision is may ventral and parallel with the linguofacial vein.
- Blunt dissection is continued to gain access to the lateral aspect of the larynx. Cataken not to disturb the first cervical nerve and cranial laryngeal nerve. The septuthe cricopharyngeus and thyropharyngeus muscles is separated. This will expose muscular process of the arytenoid cartilage.
- Blunt dissection is continued caudally to expose the caudal aspect of the cricoid
 Typically there is a notch in the cricoid cartilage that is just lateral to midline of the
 The conformation of the caudal aspect of the cricoid cartilage is variable among lateration of the caudal aspect of the prosthetic suture(s). Most surgeons a
 seat the suture(s) in the cricoid notch. This prevents the suture from slipping lateration.
- The choice of suture material is based on surgeon preference. The surgeon will p suture just underneath the caudal edge of the cricoid cartilage approximately 3–4 to the dorsal midline. The needle is advanced and rotated through the cartilage. I "bite" is approximately 1 cm. Care is taken so that the suture does not penetrate tracheal lumen during placement.
- Endoscopic observation is used to monitor for this. A second suture may be placed similar fashion. The sutures are then brought underneath the cricopharyngeus mularynx can be rotated laterally to facilitate exposure of the muscular process using retractor. Each strand of suture material is then used to take a bite through the material.
- Under endoscopic observation each strand of suture material is tightened and the
 once appropriate abduction has been achieved. The degree of abduction is subject
 always appears greater under general anesthesia as compared to the examinatio
 following day. Most likely this is related to the fact there is no pharyngeal tone un
 anesthesia.
- Usually, a ventriculocordectomy is performed in combination with the laryngoplas be performed before or after completing the laryngoplasty.
- Ventriculocordectomy is the removal of the mucosal lining of the laryngeal ventric removal of the vocal cord. This does not result in abduction of the arytenoid carti therefore its use in race horses as a sole treatment for laryngeal hemiplegia is not recommended.

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