

Use of Tiger post for equine laryngoplasty

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Objectives

- The principle of increasing the security of the laryngoplasty construct on the cricoid attachment has been shown using buttons (Bradenberger et al., Vet Surg 2017:1-9)
- To increase stiffness of the construct at the muscular process by the introduction a titanium alloy guiding the passage of the prosthetic sutures:
 - Hypothesis: the "tiger post" will prevent the suture from cutting thru the muscular process

Technical aspects:

TEKMAT Ti64-45/15 / Product no. 37893

- Two different models:



- Length: 8mm, 10mm, 12mm, 14mm

1) BOUTON :

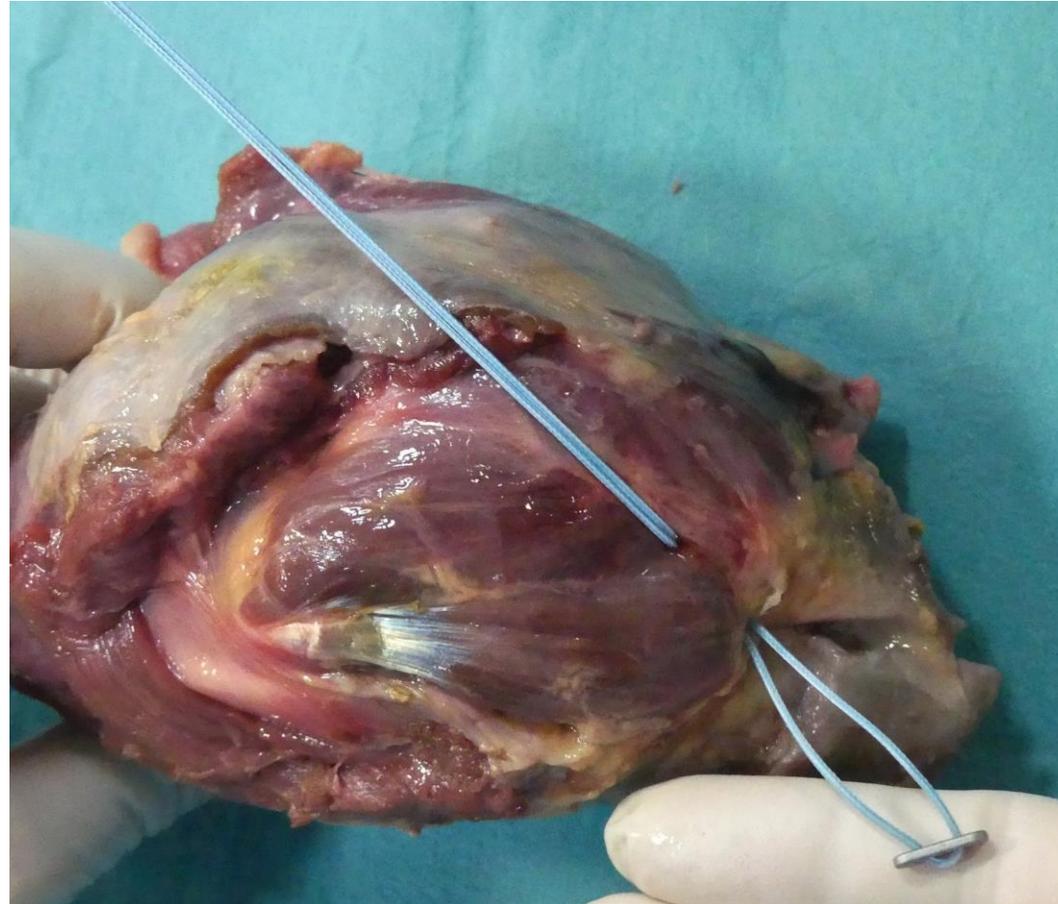


- Buttons:

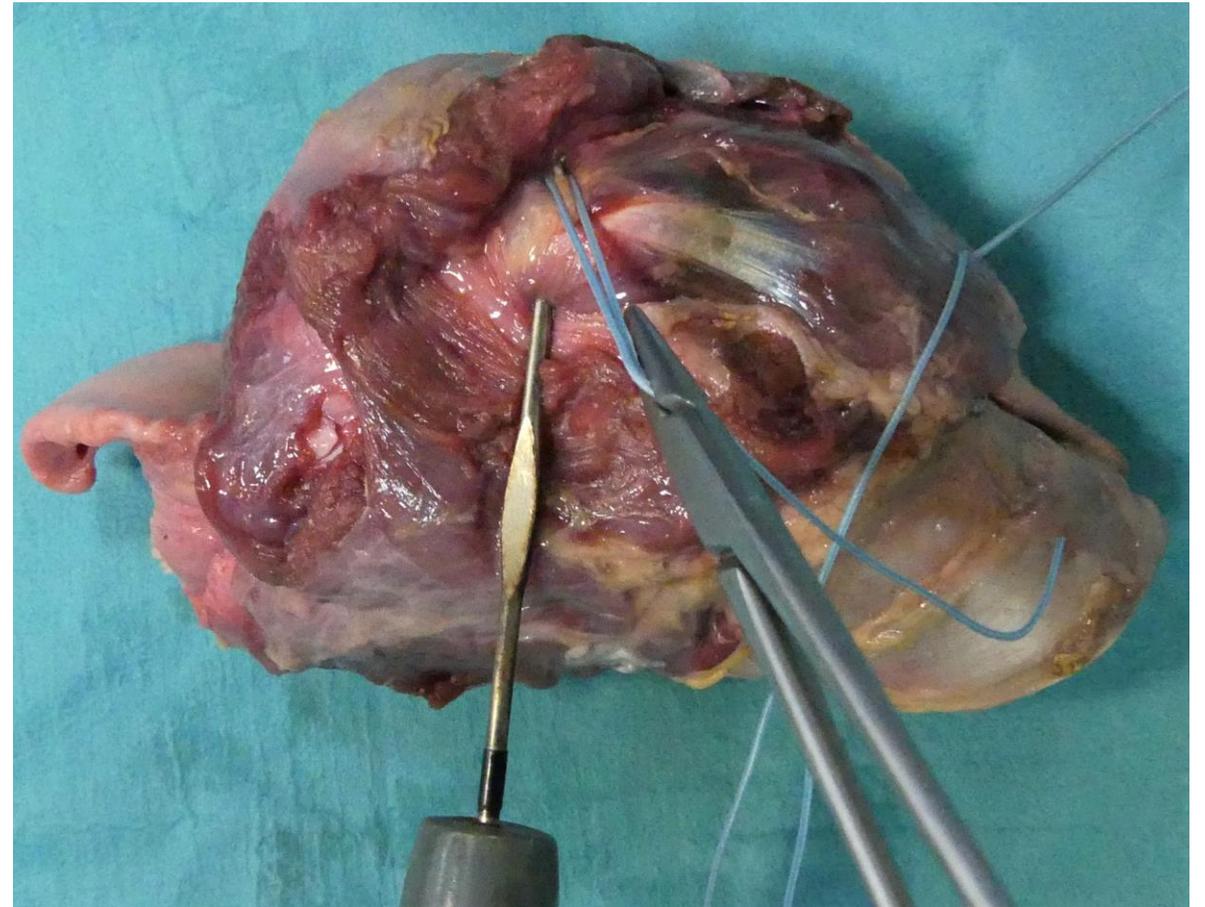
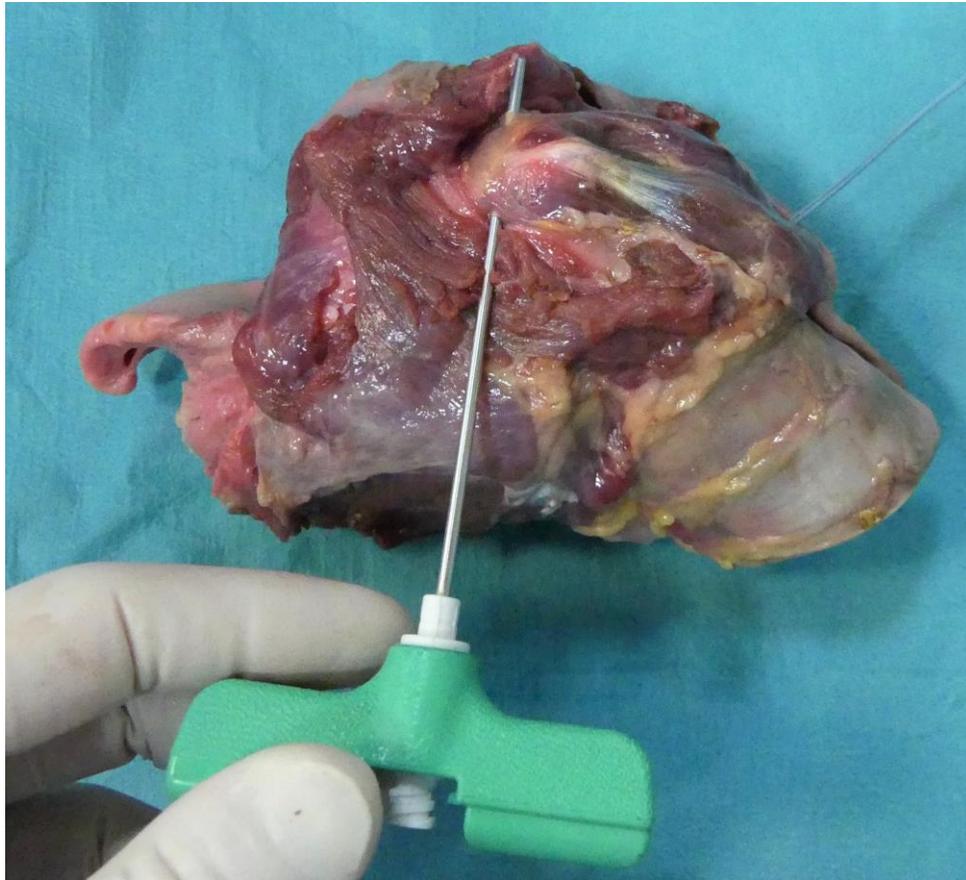
- a. V03 , diameter of 2,5mm
- b. V04 diameter of 2mm (difficult to increase to 2,5mm , because the tickness is very small)
- c. V05 diameter of 2,5mm

3D Medical

Applications: sutures inserted in the cricoid with its button



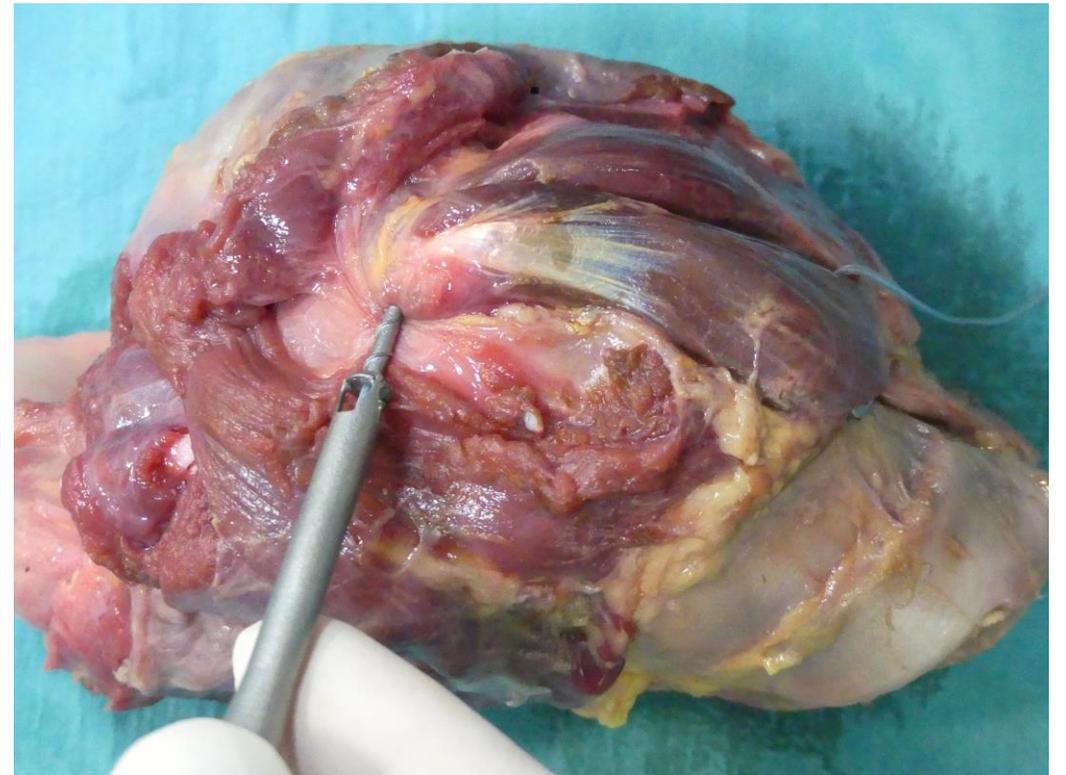
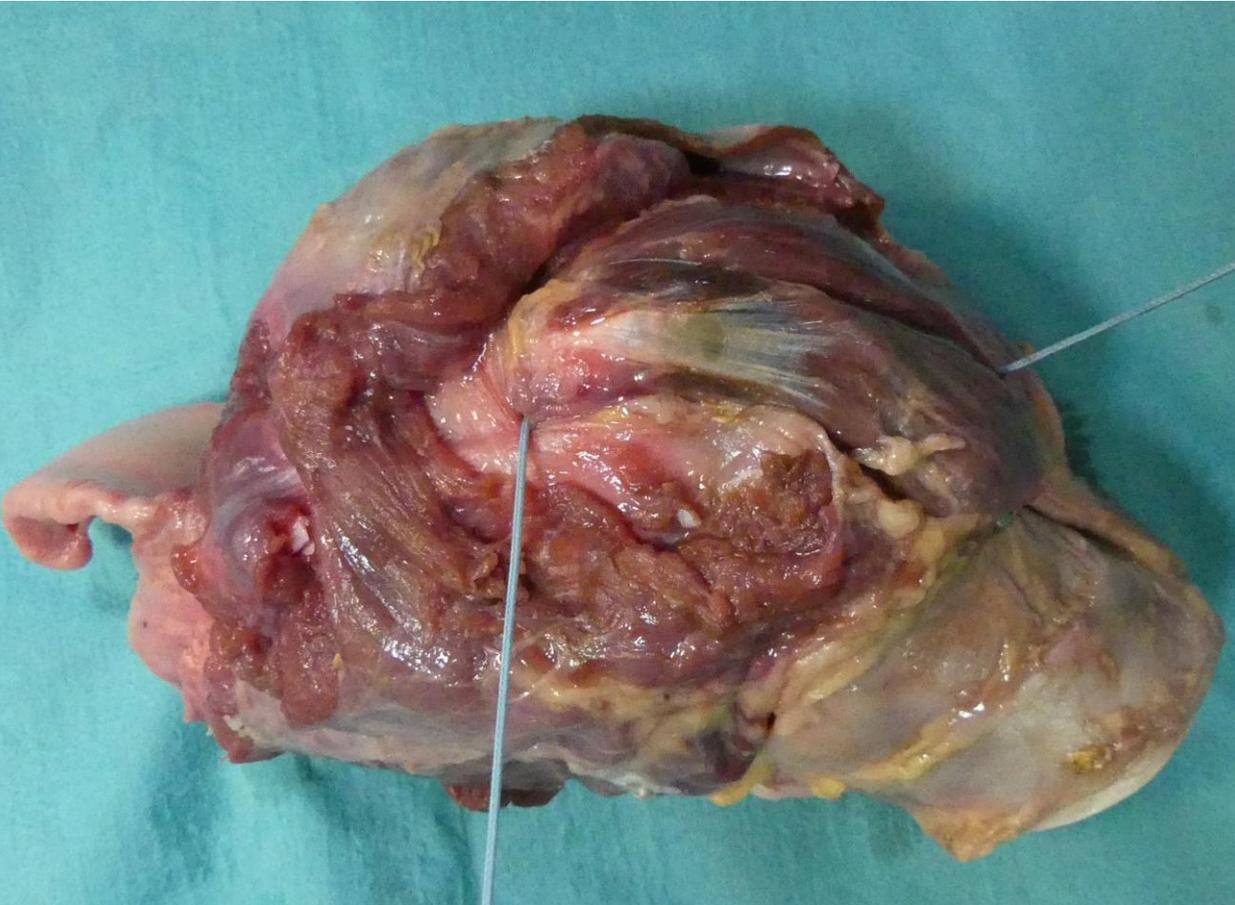
Applications: 13 gauge Jamshidi needle place from lateral to medial ~6-10mm rostral to caudal edge of muscular process to allow tiger hook to snare the suture from medial to lateral



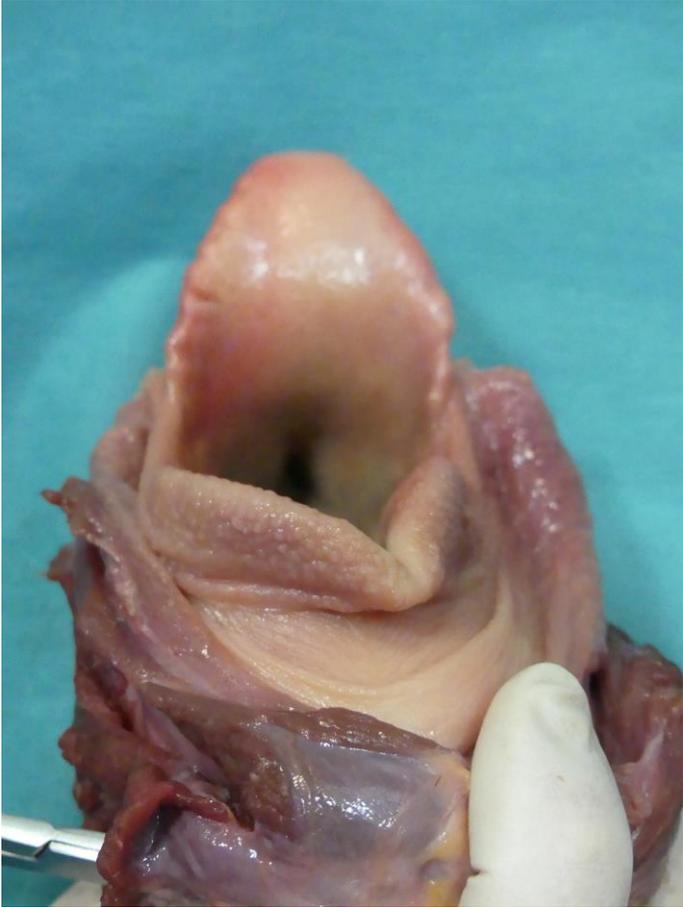
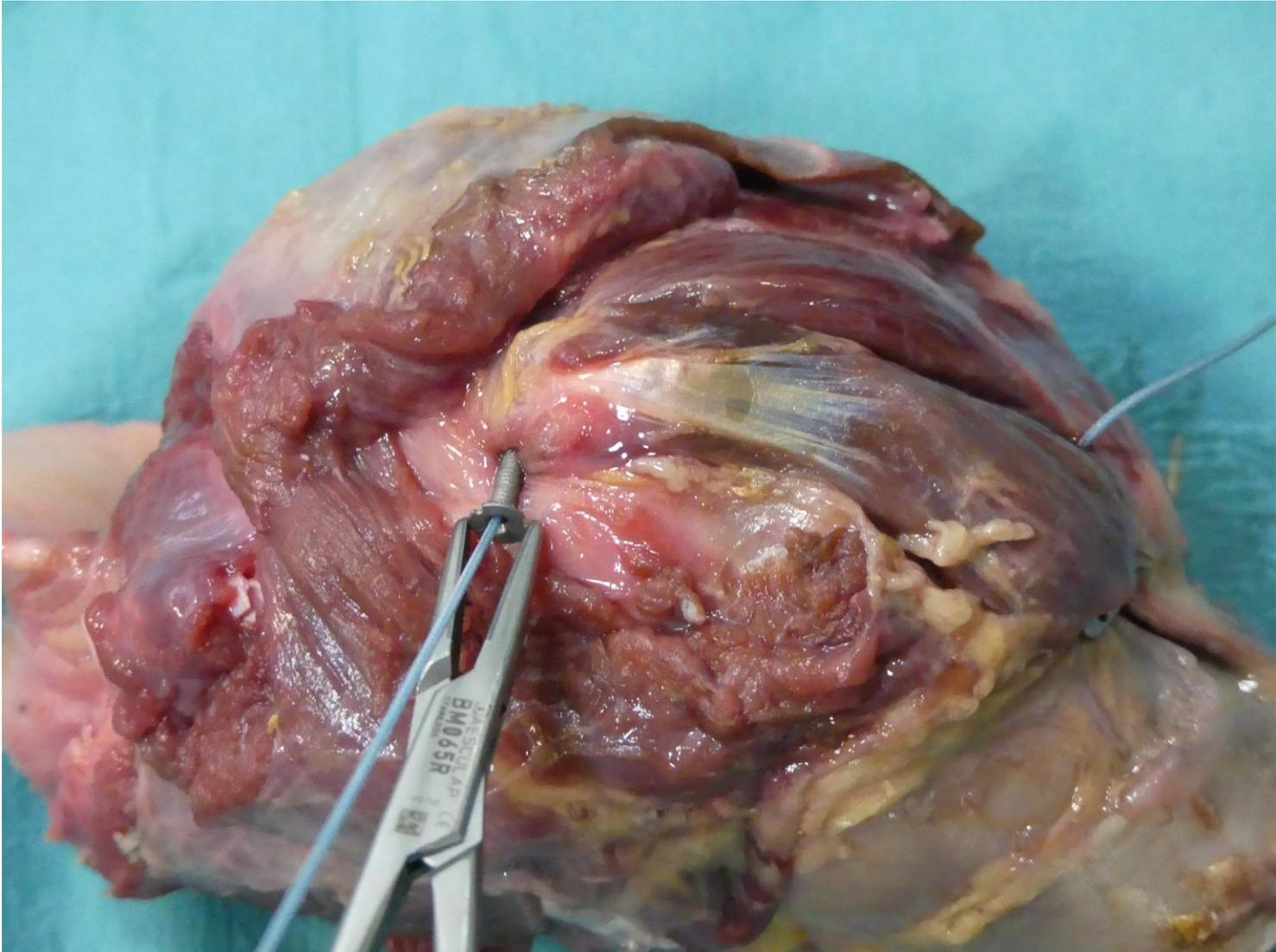
Intra-op representation



Applications: Tiger post placed over the suture into the cartilage tunnel



Applications: insertion of the “tiger post”



Applications: after insertion of tiger post in muscular process



Suture is tied under endoscopic control



Relationship of “Tiger post” and button in larynx

