Ortner’s syndrome secondary to penetrating aortic arch ulcer treated with TEVAR

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Disclosure

Speaker name: Pablo Aragón

I have the following potential conflicts of interest to report:

☐ Consulting
☐ Employment in industry
☐ Stockholder of a healthcare company
☐ Owner of a healthcare company
☐ Other(s)

☒ I do not have any potential conflict of interest
INTRODUCTION

- **Ortner’s syndrome**: vocal cord paralysis caused by left recurrent laryngeal nerve (LRLN) compression with cardiovascular origin.
- LRLN provides ipsilateral motor innervation to the phonatory muscles.
- Hoarseness of voice
- Uncomon cause: a pseudoaneurysm secondary to a penetrating aortic arch ulcer.
CLINICAL CASE

- 80 years old male
- PA:
  - Hypertensive
  - Ex-smoker
- 3 months evolution hoarseness of voice
- No other signs or symptoms.
- ORL exploration: left vocal cord paralysis at paramedian position
CLINICAL CASE: DIAGNOSTIC

ORL exploration

Left vocal cord paralysis at paramedian position.
CLINICAL CASE: DIAGNOSTIC

Cervical and thoracic Angio-CT:
Penetrating aortic arch ulcer with 5 cm diameter pseudoaneurysm
Endovascular reparation was decided by TEVAR treatment

RELAY Plus Endograft (Bolton Medical) 120 x 30 mm
I. Next Angio-CT controls (6-12 months) showed no endoleaks, complete exclusion of the ulcer and pseudoaneurysm, and left subclavian artery patency. Shrinkage pseudoaneurysm sac.

II. Symptoms (hoarseness of voice) disappeared completely 14 months after the intervention.
DISCUSSION

- Very few Ortner’s syndrome cases are described secondary to penetrating thoracic aortic ulcer.
- Other vascular causes of LRLN paralysis: left atrium dilatation, mitral valve disease, aortic arch aneurysm, aberrant subclavian artery, aortic dissection, pulmonary hypertension and ductus arteriosus persistence.
- Neoplastic or inflammatory lesions are the most common cause of left recurrent paralysis but we must remember also to evaluate aorta and mediastinal
- TEVAR could be a definitive treatment for both: penetrating ulcer and the hoarseness of voice, in these cases.
THANK YOU SO MUCH
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