

## Síndrome de Eagle Vascular

### Vascular Eagle Syndrome

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Eagle syndrome is a rare condition characterized by elongated styloid process or calcification of the stylohyoid ligament causing pain by nervous irritation triggered by swallowing, mandibular movements or similar.<sup>1</sup> In the vascular form, the styloid process contacts with the internal carotid artery compressing it or causing dissection and neurological complications.<sup>2</sup>

A 51-year-old female with no priors sought medical attention for cervicgia, facial and upper limb paresthesia which evolved to paresis after abrupt cervical movement. A computed tomography angiography showed elongated styloid processes (Fig. 1), a dissected internal carotid artery (Fig. 2) and two cerebral infarcts.

Elongated styloid processes imply a four-time greater risk of carotid dissection.<sup>3</sup> Stylocarotid syndrome is a rare vascular variant of Eagle syndrome<sup>4</sup> and carotid dissection is its rarest complication. In the present case no previous symptoms were documented, thus being cerebral embolization the first manifestation. ■

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Figure 1: Elongated styloid processes.

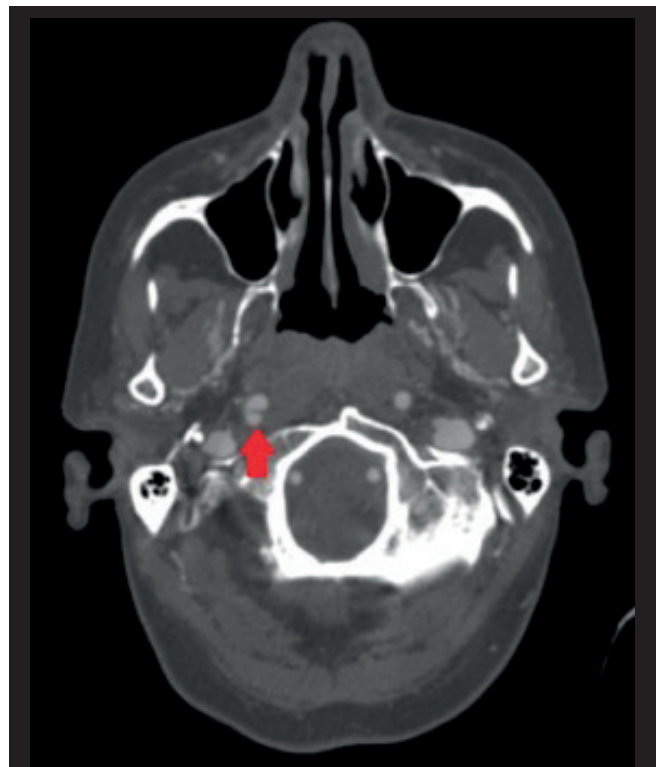


Figure 1: Dissected internal carotid artery.

Confidentiality of data: The authors declare that they have followed the protocols of their work center on the publication of data from patients.

Proteção de Seres Humanos e Animais: Os autores declaram que não foram realizadas experiências em seres humanos ou animais.

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#### REFERÊNCIAS

1. Eagle WW. Elongated styloid processes: Report of two cases. *Arch Otolaryngol.* 1937; 47: 584-7.
2. Kamal A, Nazir R, Usman M, Salam BU, Sana F. Eagle syndrome; radiological evaluation and management'. *J Pak Med Assoc.* 2014;64:1315-7.
3. Raser JM, Mullen MT, Kasner SE, Cucchiara BL, Messé SR. Cervical carotid artery dissection is associated with styloid process length. *Neurology.* 2011;77:2061-6. doi: 10.1212/WNL.0b013e31823b4729.
4. Smoot TW, Taha A, Tarlov N, Riebe B. Eagle syndrome: A case report of stylocarotid syndrome with internal carotid artery dissection. *Interv Neuroradiol.* 2017;23:433-6. doi: 10.1177/1591019917706050.