Complex C1-2 osteophyte presenting with severe dysphagia and ptosis

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Figure 1 Brain MRI and neck CT scan show a large C1-2 complex osteophyte

(A) Axial postcontrast brain MRI. The blue arrow points to the large C1-2 complex osteophyte, the green arrow shows displaced carotid sheath, and the orange arrow shows left hemitongue atrophy. (B) Sagittal CT scan of the neck. The red arrow points to the C1-2 complex osteophyte.

Figure 2 Preoperative and postoperative head CT

(A) Axial head CT. The blue arrow points to the C1-2 complex osteophyte and the green arrow points to the displaced left carotid sheath. (B) Axial CT head postoperatively shows decompressed carotid sheath (green arrow).

A 67-year-old man presented with dysphagia, hoarseness, dysarthria, left ptosis, and 30-pound weight loss over 7 months, requiring a percutaneous endoscopic gastrostomy (PEG) tube. Examination revealed partial left ptosis, dysphonia, left hemitongue weakness, atrophy, and fasciculations, and left hemipalate weakness (figure 1).

Neurosurgery was consulted for high cervical osteophyte resection. Intraoperatively, the left carotid sheath and hypoglossal nerve were impinged by C1-2 osteophyte (figure 2A). The osteophyte was resected (figure 2B).^{1,2}

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On 1-month follow-up, the patient had gained 20 pounds, his voice had returned to normal, and the ptosis had resolved. The PEG tube was removed and the patient resumed a normal diet.

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Disclosure

The authors report no disclosures relevant to the manuscript. Go to Neurology.org/N for full disclosures.

Appendix Authors

Name	Location	Role	Contributions
Puya Alikhani, MD	University of South Florida, Tampa	Author	Diagnosed the patient and performed the surgery, provided preoperative and postoperative images, helped draft the manuscript

Appendix (continued)

Name	Location	Role	Contributions
Yazan Suradi, MD	University of South Florida, Tampa	Author	Revised the manuscript
Sheyar Amin, MD	University of South Florida, Tampa	Author	Revised the manuscript
Ushtar Amin, MD	University of South Florida, Tampa	Author	Drafted the manuscript and edited the images

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