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Surgical management of a symptomatic extracranial internal carotid artery aneurysm and coexisting carotid body tumor

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Abstract: Treatment of carotid body tumors and extracranial carotid artery aneurysms are well documented in the literature as separate entities. As distinct pathologies, they present technical difficulties with high complication rates. No patients with simultaneous carotid body tumors and extracranial internal carotid artery aneurysms have been reported. We report, to our knowledge, the first and subsequent surgical management of such a patient. Carotid body tumors (CBTs) are rare neoplasms arising from the carotid body and presenting technical difficulties in excision, with high complication rates. Similarly, carotid artery aneurysms present technical difficulties in excision, with high complication rates. No patients with simultaneous CBTs and extracranial internal carotid artery (ICA) aneurysms have been reported. We review the current management of these two distinct pathologies and relay our surgical experience of this unique patient. The patient consented to publication of this report.