Retrosigmoid approach for resection of petrous apex meningioma

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We present the case of a 50-year-old female with a 1-year history of right-side facial numbness, as well as an electric shock-like sensation on the right-side of the face and tongue. She was previously diagnosed with vertigo and trigeminal neuralgia. MRI was obtained showing a large right cerebellopontine angle mass. A retrosigmoid approach was performed and total removal was achieved after dissection of tumor from brainstem and cranial nerves IV, V, VI, VII and VIII. Pathology confirmed the diagnosis of a meningioma (WHO Grade I). The patient was discharged neurologically intact on the third postoperative day free of complications.

The video can be found here: <http://youtu.be/-tR0FtMiUDg>.
(<http://thejns.org/doi/abs/10.3171/2014.V1.FOCUS13456>)

KEY WORDS • retrosigmoid approach • meningioma • petrous apex • video

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