Partial labyrinthectomy presigmoid transpetrosal resection of petroclival meningioma

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A petroclival meningioma represents a challenging tumor to resect in the cerebellopontine angle and ventral to the brain stem. Multiple cranial nerves and blood vessels may be intimately involved with the tumor. A partial labyrinthectomy presigmoid transpetrosal approach can facilitate resection while preserving hearing. This approach allows for a direct line of sight along the petrous bone while sealing the canals can preserve hearing. In this video operative manuscript, we demonstrate a step-by-step illustration of a partial labyrinthectomy presigmoid transpetrosal resection of a petroclival meningioma. This approach affords the best chance of hearing preservation and an opportunity for maximum tumor resection.

The video can be found here: http://youtu.be/29I4KEXz1vY.

Key Words • petroclival meningioma • partial labyrinthectomy • presigmoid • transpetrosal • video