



VHL and the Central Nervous System

Ghaus Malik M.D., Ian McCutcheon M.D., Stephen Sullivan M.D

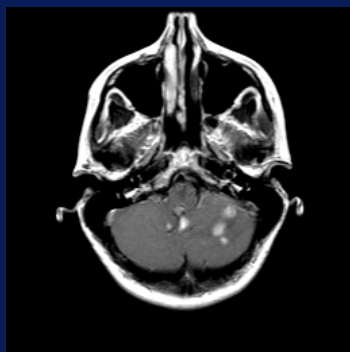


Brain and Spinal Cord Hemangioblasts

- Unpredictable growth
- Frequent surveillance
- Multidisciplinary approach
- Surgical Treatment for tumors with symptoms



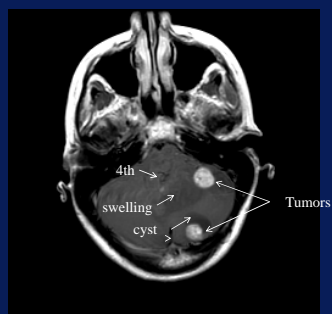
New Diagnosis of VHL (no symptoms)



Which Tumor is Causing the Symptoms



One year later, new headaches

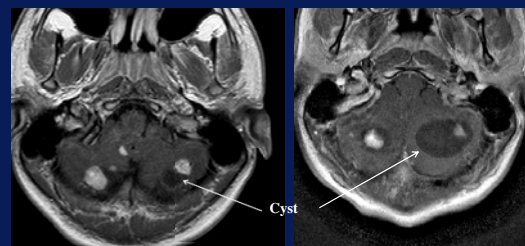


One year later, headaches and hiccoughs



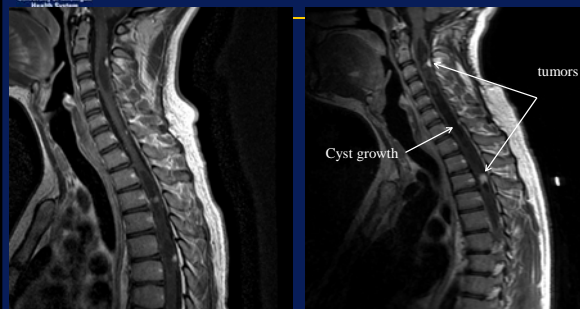


*20 year old with walking difficulties
with tumors in the brain and the
spinal cord, which is causing the
symptoms?*



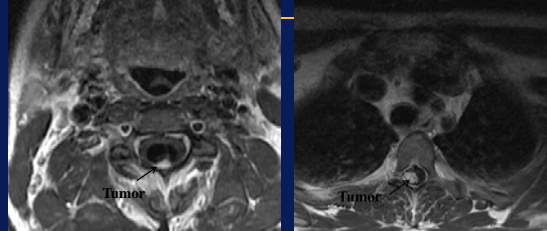
2011

2013



2011

2013



C3

T3



*Multiple tumors in one are of
Nervous System, all tumors growing*



*Brain and Spinal Cord
Hemangioblastoms*

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Repeat endoscopic trans-sphenoidal surgery for acromegaly: remission and complications

Thomas J. Wilson, Erin L. McKean, Ariel L. Barkan, William F. Chandler, Stephen E. Sullivan

Presented by Stephen E. Sullivan