

















Central Tinnitus:causes

- Cerebellopontien angle lesion
- Vertebral artery: dissection, aneurysm
- Brains stem/cerebellar lesion
- Benign intracranial hypertension





- Cerebellar
- Palatal myoclonus



Dural AVM

- 10-15% of intracranial AVM
- AVM at dura
- Male: Female = 1:3
- Noise in head (bruit)
- Pulsatile tinnitus
- Stroke-like symptoms
- Headache
- Seizure







Benign intracranial Hypertension

- Pseudotumor cerebri
- Increased ICP without neurological deficit
- CN VI palsy or papilledema
- Pulsatile tinnitus headache, visual disturbance





Hydrocephalus

- Pulsatile tinnitus can be first sign of increased ICP
- Pulse synchronous tinnitus is through to be due to vascular pulsations in CSF transiently compressing the dural venous sinus resulting in turbulent blood

Palatal myoclonus

- Rhythmic involuntory jerking movement of soft palate
- Clicking sound 1-2 Hz
- Lesion in triangle of Gullain Molleret which composed of Inferior olivary nucleus in brain stem
- Central tegmental tract
- · Connects olive to red nucleus in midbrain
- Superior olivary peduncle to contralateral dentate nucleus of cerebellum











Anterior Inferior Cerebellar Artery Infarction

- AICA ischemic stroke
- Vertigo, hearing loss, facial palsy, ataxia, nystagmus
- Tinnitus, hearing loss
- Cochlea
- Auditory nerve
- Cochlear nuclei
- Hearing loss
- -non → severe





