

SUSAC – Retinocochleocerebral vasculopathy

- ◉ Microangiopathy
- ◉ Encephalopathy, branch retinal artery occlusion & hearing loss
- ◉ Autoimmune
- ◉ Personality change and bizarre and paranoid behavior.
- ◉ Speech can be affected
- ◉ Intense headaches and migraines
- ◉ Some form of hearing loss
- ◉ Impaired vision
- ◉ The problem usually corrects itself, but this can take up to five years

- ◉ **Diagnosis:** Multifocal supratentorial lesions, corpus callosum lesions
- ◉ **Treatment:** IVIG, high dose IV steroids; Immunosuppression is the mainstay of Susac's syndrome treatment
- ◉ **Pathogenesis:** unknown.
- ◉ The findings of retinal microangiopathy and brain biopsies suggest a small vessel vasculitis leading to arteriolar occlusion and microinfarction of cerebral, retinal and cochlear tissue
- ◉ Proposed causes include autoimmune vasculitis, hypercoagulable state and viral infection

