

# Myxoid glioneuronal tumor (MGNT)

- ◆ Epidemiology: Young adults and children
- ◆ Location: Anterior septum pellucidum, foramen of monro, genu of corpus callosum or periventricular WM
- ◆ Usually, asymptomatic though may have headaches
- ◆ Formerly termed “DNET of the septum pellucidum” due to indistinguishable features on histology

# Imaging

- ◇ Very bright on T2 and dark on T1 (cyst-like signal)
- ◇ CISS/FIESTA can help recognize the subtle T2 hypointensity relative to CSF
- ◇ FLAIR shows MISMATCH SIGN WITH BRIGHT RIM! (Like DNET)
- ◇ NO ENHANCEMENT, no diffusion restriction, no hemorrhage or calcification

# DDx:

- ◇ **Central neurocytoma** (enhances)
- ◇ **Subependymoma** (usually 4th ventricle and no bright rim on FLAIR)
- ◇ **Colloid cyst** (splays fornices, dense on CT, does not suppress on FLAIR)
- ◇ **DNET** (cortically based tumor)
- ◇ **Subependymal giant cell astrocytoma** SEGA (enhancement and calcification)

# MGNT (25 y/o)









