Life in the Dark

Best Kept Secrets of Neuroradiologists

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Diffusion-Weighted Imaging (DWI)
4 etiologies of restricted diffusion

- failure Na+/ATP pump
  - ischemia
  - severe seizures
- dense cellularity
  - tumor
- proteinaceous states
  - abscess: bacterial & fungal, not Toxo
  - methemoglobin
- tissue vacuolization
  - spongiform change (CDI)
  - acute demyelination & DAI (rare)

Venous Lesion: Vein of Labbe

Venous Lesion: Int Cereb Veins

Radiology Reports are Not Created Equal

**IMPRESSION:**
1. Marked periventricular edema seen disease
2. L/M small vascular changes, with thinning left frontal cortical gyrus. The gyrus possibly progressive enhancement are noted within the periphery of the ventricles.
3. Marked FLAIR hyperintensity and edema enhancement, consistent to the progression of the disease
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