

Magnetic resonance finding in a seizure

Truly hair-raising!

Figure 1 Sagittal T1 postcontrast image shows the ring-enhancing neurocysticercosis with susceptibility artifacts in the scalp

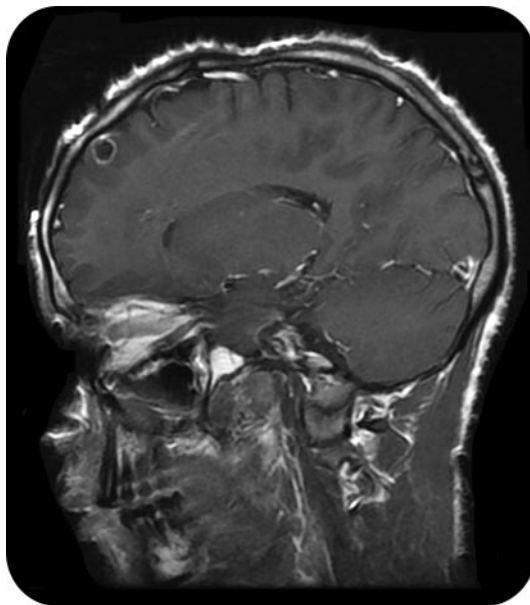
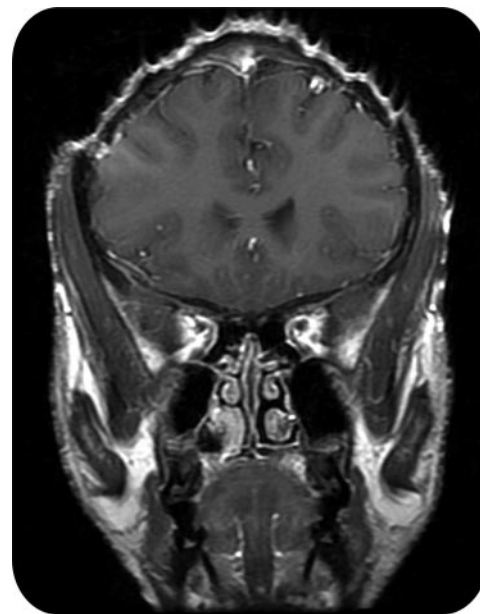


Figure 2 Coronal T1 postcontrast shows the "spiked" appearance of the scalp



A 20-year-old man presented with generalized tonic-clonic seizures. MRI showed a frontal ring-enhancing lesion with scolex suggesting neurocysticercosis (figure 1). Peculiar-appearing scalp with wavy pattern and intervening bright projections was noted (figures 1 and 2). This iron cutter in a welding factory fell unconscious at work following the seizure. Ferromagnetic dust in his hair caused the susceptibility artifact. Iron oxide produced similar results in a boy using beeswax¹ and an African woman using clay² to style their hair. Radiographic screening prior to MRI is suggested to prevent eye injury from iron particles in professionals involved with metal work.

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