

A young man presented with progressive dysarthria and intellectual impairment

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Clinical history:

A 19-year-old man was admitted to the hospital for progressive dysarthria and intellectual impairment. Physical examination revealed dysarthria, tremor and memory impairment. Biochemistry tests showed abnormal liver function. Computed tomography (CT) and magnetic resonance (MR) imaging of the brain were performed. (Figures 1, 2 & 3)

Figure 1: Non-enhanced axial CT scan of the brain

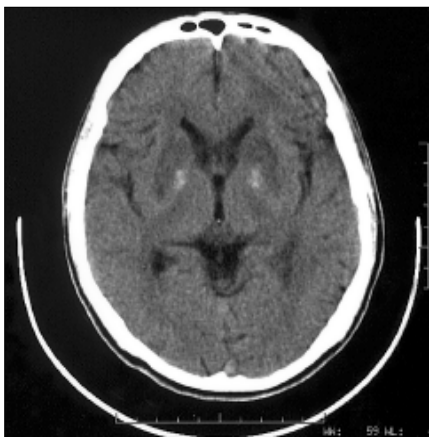


Figure 2: Axial T2-weighted MR image of the brain

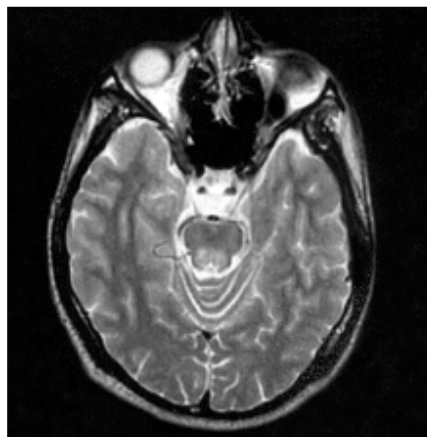
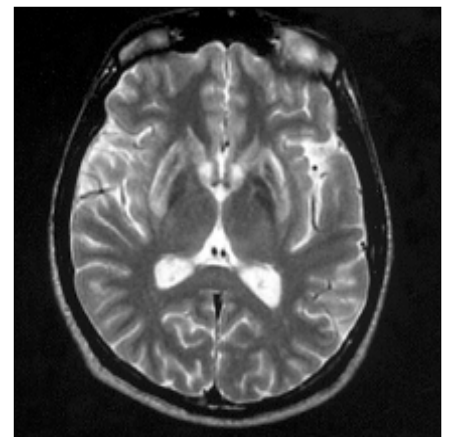


Figure 3: Axial T2-weighted MR image of the brain



What is the diagnosis?

- a) Carbon monoxide poisoning
- b) Wilson's disease
- c) Leigh's disease
- d) Cerebral anoxia
- e) Osmotic myelinolysis

*See page 74
for the answer*