



**FIGURE 441e-26** Acute disseminated encephalomyelitis (ADEM) (Chap. 458). Axial T2-weighted (A) and coronal FLAIR (B) images demonstrate abnormal areas of high signal involving predominantly the subcortical white matter of the frontal lobe bilaterally and left caudate head. Following administration of gadolinium, corresponding axial (C) and coronal (D) T1-weighted images demonstrate irregular enhancement consistent with blood-brain barrier breakdown and inflammation; some lesions show incomplete rim enhancement, typical for demyelination.