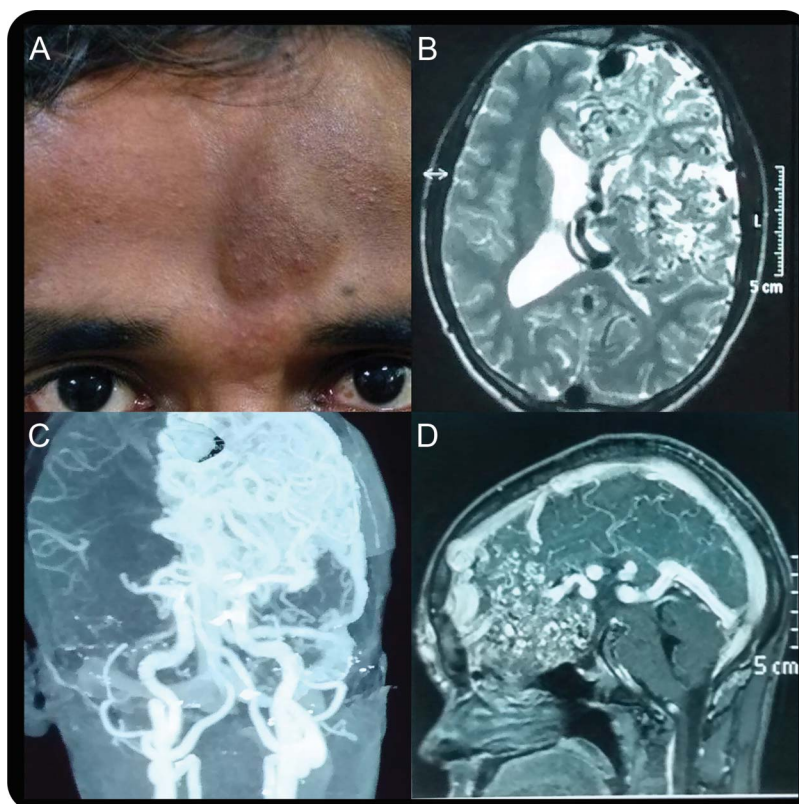


Cerebral proliferative angiopathy

Rare case of seizures, bone erosion, and pulsatile head bump



Figure MRI and CT angiogram of cerebral proliferative angiopathy with pulsatile forehead swelling



(A) Pulsatile swelling on the forehead. (B) T2-weighted axial image shows multiple flow voids in the left frontal and parietal area with intervening normal brain tissue and pressure on ipsilateral lateral ventricle. (C) CT angiogram shows extensive abnormal vascular network with multiple feeders including anterior and middle cerebral arteries. (D) Contrast MRI shows prominent sinuses and draining veins communicating with the forehead swelling.

A 22-year-old man presented with a 5-year history of focal seizures and a pulsatile bump on the forehead (figure, A; video on the *Neurology*[®] Web site at Neurology.org). He had subtle right hemiparesis with facial palsy, Mini-Mental State Examination score of 22/30, and audible bruit on forehead swelling, suggesting cerebral proliferative angiopathy (CPA). This condition differs from arteriovenous malformation in that hemorrhages are uncommon; it has a typically large size, with normal brain parenchyma between vascular spaces (figure, B).¹ There are multiple arterial feeders (figure, C) with prominent draining veins (figure, D).^{1,2} Embolization or surgical resections are not usually possible with a CPA diagnosis.¹

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Supplemental data
at Neurology.org

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