Teaching NeuroImages: Hemispheric enhancement in Sturge-Weber syndrome

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A 17-year-old boy developed increasing complex partial seizures, drowsiness, and a prolonged left hemiparesis. He had an extensive port wine nevus covering the left face, upper trunk, and limb (figure 1). Cranial CT and MRI confirmed the diagnosis of Sturge-Weber syndrome (figure 2, A–C). After receiving aspirin and anticonvulsant therapy,1 he recovered well and has been seizure-free over 2 years of follow-up.

Sturge-Weber syndrome is a rare congenital disorder characterized by cutaneous angiomas which usually involve the trigeminal (V1, V2) distribution ipsilateral to the intracranial parieto-occipital leptomeningeal angiomas. Clinical manifestations include stroke-like episodes due to thrombotic events, seizures, headaches, and glaucoma.

AUTHOR CONTRIBUTIONS
B.-L. Ho: drafting/revising the manuscript, study concept or design, acquisition of data, analysis or interpretation of data. S.-H. Lan: treating physician of the patient, study concept or design. C.-Y. Hsu: drafting/revising the manuscript, analysis or interpretation of data, study supervision.

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