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Letter

Delayed Recanalization of an Embolized Pulmonary Arteriovenous Malformation Caused Brain Abscess in a Patient with Osler-Weber-Rendu Syndrome

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Dear Editor,

Osler-Weber-Rendu Syndrome (OWRS), also known as hereditary hemorrhagic telangiectasia, is a rare genetic disorder characterized by telangiectasias and excessive bleeding. Brain abscess and ischemic stroke are rare but potentially serious complications of OWRS, caused by paradoxical embolism from pulmonary arteriovenous malformations (AVMs) (1). We describe a case of a 56 year old woman with past medical history of OWRS who presented to emergency room with headache and confusion and was found to be febrile. She had a known pulmonary AVM, previously coiled. A head CT scan without contrast showed an area of hypodensity of right temporal lobe. Brain MRI revealed a brain abscess (Figure 1) which was treated with antibiotic therapy. A pulmonary angiogram revealed recanalized AVM in the left lobe of lung which was embolized 15 years ago (Figure 2). She underwent endovascular reembolization to avoid future neurologic complications. Frequent follow-up of treated patients is indicated since pulmonary AVM tend to increase in size over time and might cause neurological complications.

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Footnotes

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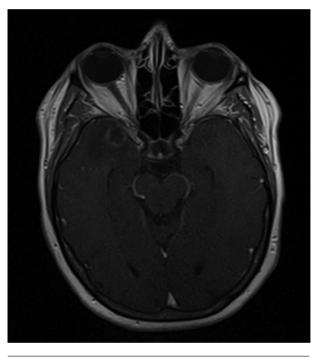


Figure 1. Gadolinium-Contrasted axial Ti-Weighted Image of Brain MRI Shows Ring Enhancing Lesion in Right Temporal Lobe With Surrounding Edema

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Figure 2. Left Lower Lobe Branches of Pulmonary Arteriogram Shows 2 Recanalized AVM Nidi Through the Previously Embolized Feeding Vessel With Microcoils

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