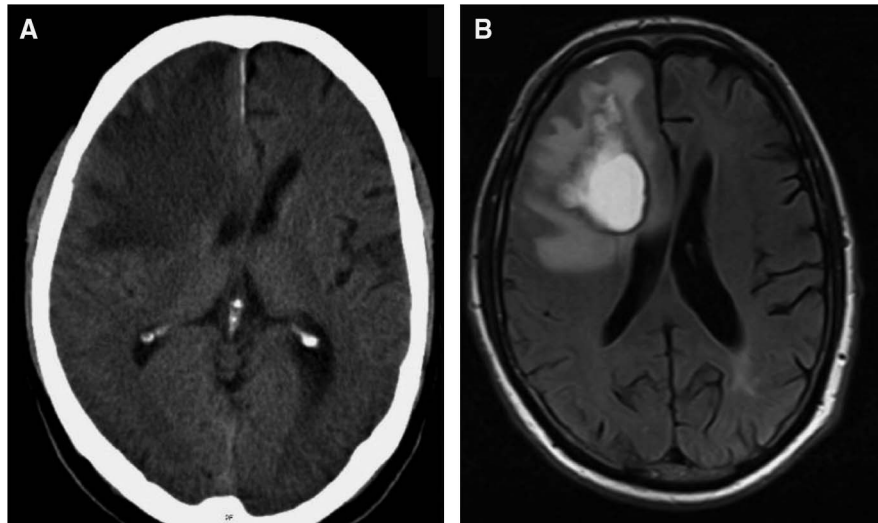


# Teaching NeuroImages: Subacute intracerebral hemorrhage mimicking brain tumor

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**Figure** CT and MRI of the brain show subacute intracerebral hemorrhage



Head CT (A) shows an irregular area of low density in the right frontal lobe. On T2-weighted fluid-attenuated inversion recovery MRI (B), this irregular area consists of a hyperintense central lesion (subacute hematoma) lined by a hypointense rim (hemosiderin) surrounded by a hyperintense finger-like zone (vasogenic edema).

A 73-year-old man was referred to the outpatient clinic with a 2-week history of headache and apathy. Neurologic examination revealed mild left-sided facial, arm, and leg paresis. Head CT appeared to show a right frontal lobe tumor with finger-like vasogenic edema. Instead, MRI revealed a subacute lobar hemorrhage with perihematomal edema (figure). On follow-up imaging, no underlying cause was found.

The temporal changes in density on CT can make a hemorrhage difficult to recognize, particularly in the late subacute phase.<sup>1,2</sup> MRI is able to detect several

phases of hematoma evolution and shows better discrimination of the lesion from surrounding edema.

#### AUTHOR CONTRIBUTIONS

P.M. Janssen and E.I. Hoff both provided clinical care to the patient and participated in writing and design of the manuscript.

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