

Brain Bleeding Venous Malformation in the Computed Tomography Emergency Department

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Abstract : The aim of this work is to denote that during an emergency state, an examination study may not be accomplished by state-of-the-art of imaging and, therefore, cannot obviously reveal all the existing findings. But, such a situation may have disastrous consequences for the patient. When interpreting radiological images, one must try to be as meticulous as possible, especially if the patient has alerting clinical symptoms. A case may be missed because its findings are not so obvious in rapid uncompleted radiological imaging. A thirty-seven years old female patient visited the emergency department because of a headache and hemiparesis of her left leg. Firstly, a CT examination without contrast was done, and mild serpentine hyperintensities were depicted at the right parietal lobe. In addition to that, there was a linear, mildly hyperattenuating structure resembling a vessel in the nearby middle line. At first, an AVM was suspected, so an MRI examination with i.v. Gd was prescribed. The patient returned a few days later, not having done the MRI and complaining of persisting symptomatology. A new CT examination without and with i.v.c administration was done that showed no hyperintensities but a type-enhancing vessel in the posterior interhemispheric fissure. The latest findings are consistent with a venous malformation with previous bleeding.

Keywords : bleeding, brain, CNS, hemorrhage, CT, venous malformation

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