Miliary cerebral calcifications

A rare presentation of breast cancer metastasis

Figure 1 CT brain shows multiple small calcified lesions localized in the brainstem, cerebellum, and cerebral hemispheres

Figure 2 MRI shows small ring-like contrast-enhancing lesions intraparenchymally and following the course of the folia in the cerebellum

A 38-year-old woman with a history of breast cancer presented with dysarthria and limb ataxia. She reported a traveling history with destinations in Asia over the past 10 years. CT showed small calcified lesions (figure 1). MRI showed more small ring-like contrast-enhancing intraparenchymal lesions that followed the course of sulci and folia (figure 2). Differential diagnosis included metastasis and neurocysticercosis. Examination of CSF showed no evidence of malignancy or infection. Definitive diagnosis after brain biopsy confirmed metastasis of breast cancer.¹

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1. Stadnik T, Deroover J, Gosens A, Michotte A, Freson M, Osteaux M. Calcified, cystic brain metastases. *Eur J Radiol* 1997;25:36–40.

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