Teaching NeuroImages: Internal carotid artery stenosis due to myxoma in a patient with Carney complex

Bin Yang, MD, Yan Ma, MD, Yang Hua, MD, Dong Xu, MD, Kefeng Zhang, MD, Lei Zhao, MD, and Liqun Jiao, MD

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Correspondence

Dr. Jiao
liqunjiao@sina.cn

Figure Findings in a patient with Carney complex

(A) Facial pigmentation and multiple subcutaneous lentiginos. (B) A left atrium myxoma (asterisk) on echocardiography. (C) Isointense mass in the left internal carotid artery (arrow) on MRI. (D) Digital subtraction angiography shows severe narrowing of the internal carotid artery with irregular filling defect. (E, F) Myxomatous matrix with stellate cells attached to the intima on pathologic evaluation (hematoxylin & eosin staining, $\times 200$) of surgical specimen.

A 50-year-old man presented with an episode of transient loss of consciousness, aphasia, and right hemiparesis. Spotty cutaneous pigmentation and multiple subcutaneous lentiginos were observed (figure, A). A left atrial myxoma protruding into the ventricle was identified on echocardiography (figure, B). MRI demonstrated isointense mass within the lumen of the left internal carotid artery (figure, C), and digital subtraction angiography demonstrated irregular intraluminal filling defect that resulted in severe stenosis (figure, D). Pathologic examination confirmed the diagnosis of carotid artery myxoma (figure, E and F). The combination of skin pigmentation and multiple myxomas met the criteria for Carney complex.^{1,2}

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Author contributions

Bin Yang: manuscript writing. Yan Ma: analysis and interpretation of data. Yang Hua: acquisition of data, study supervision. Dong Xu: acquisition of data. Kefeng Zhang: acquisition of

From the Departments of Neurosurgery (B.Y., Y.M., L.J.), Vascular Ultrasonography (Y.H.), Cardiovascular Surgery (D.X., K.Z.), and Anesthesiology (L.Z.), Xuanwu Hospital, Capital Medical University, Fengtai, China.

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