A previously healthy 49-year-old woman was admitted with dysarthria, right facio-brachial paresis, and hypesthesia. Brain CT and MRI showed left frontal opercular infarction (figure 1A). Transcranial color-coded duplex sonography did not detect vessel abnormalities but revealed right-to-left shunt (RLSh) (figure 1B). Transesophageal echocardiogram (figure 1C) identified a patent foramen ovale (PFO) (arrow) and a right atrial myxoma (arrowheads). Coronary angiography showed that the distal circumflex artery supplied the myxoma (figure 1D). Myxoma resection (figure 2) and PFO closure were performed surgically in one operation without complications.

Cardiac myxoma is an uncommon cause of stroke (0.4%). Only 15% to 20% of myxomas are detected in the right atrium.1,2 In these cases, RLSh is required for neurologic symptoms to occur. Our case report represents a rare cause of paradoxical brain embolism.

REFERENCES

**Figure 1** Preoperative evaluation findings

(A) Axial FLAIR T2-weighted MRI: left frontal opercular infarction (arrow). (B) Transcranial color-coded duplex sonography: right-to-left shunt (RLSh) with shower of bubbles (>25 high intensity transient signals). (C) Transesophageal echocardiography: patent foramen ovale (PFO) (arrow) and myxoma (4.2 × 2.4 cm) (arrowheads) protruding on RLSh. (D) Coronary angiography showing myxoma supplied by distal circumflex artery.

**Figure 2** Postoperative findings after myxoma resection

(A) Macroscopic image of myxoma, showing highly irregular, multilobulated appearance. (B) Histologic slide of the myxoma, showing stellate cells (arrow), vascular structures (arrowheads), and myxoid ground substance (hematoxylin-eosin stain).
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