Bronchogenic cyst in left anterior cranial fossa

Figure 1 Head CT and MRI

(A, B) The mass in the left anterior cranial fossa with calcification and cystic degeneration. (C) The mass was closely related to ethmoid sinus. (D) (T1-weighted) and (E) (T2-weighted): The mass was irregularly shaped with signals that indicated calcification and cystic degeneration. (F) Slightly marginal enhancement on gadolinium enhancement.

A 33-year-old man had dizziness for 3 days without provoking factors. Head CT demonstrated a mass in the left lateral anterior cranial fossa with calcification and cystic degeneration (figure 1, A–C). MRI showed an irregularly shaped mass with mixed signal and slight marginal enhancement (figure 1, D–F). He underwent mass resection with no recurrent dizziness during 12 months' follow-up. On pathologic examination, the cyst inner lining consisted of ciliated pseudostratified columnar epithelium^{1,2} (figure 2). The diagnosis was bronchogenic cyst, a rare congenital malformation of ventral foregut development. Surgical excision is the elective treatment.

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Hematoxylin & eosin staining ($\times 200$) demonstrates that the walls of the excised cysts were lined with pseudostratified ciliated columnar epithelium and the underlying smooth muscle components of the cysts.

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