Bronchogenic cyst in left anterior cranial fossa

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 (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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Figure 2  Pathologic examination

Hematoxylin & eosin staining (×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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