Teaching NeuroImages: Giant cystic echinococcosis with unusual imaging manifestations

A 6-year-old girl presented with a 3-month history of progressive left-eye strabismus and vision loss. MRI scan of the brain showed a single hypointense lesion in the left cerebral hemisphere with no perilesional edema or contrast enhancement (figure 1, A–C). At surgery, the lesion was shown to be a single large parasitic cyst measuring approximately 7.0 × 6.5 × 6.0 cm (figure 2, A–C). The patient underwent a complete resection and then was given antihelminthic therapy. This resulted in an uneventful recovery. Pathology confirmed a diagnosis of brain cyst with scolex. This imaging feature of giant cystic
Echinococcosis is very unusual.\textsuperscript{1} In the event of neurologic dysfunction or elevated intracranial pressure, emergent operative intervention should precede the administration of antihelminthic medications as the latter may weaken the cyst membrane and complicate resection. Gross total resection has advantages compared with nonsurgical treatment with antihelminthics.\textsuperscript{2}

**AUTHOR CONTRIBUTIONS**

Dekang Nie: drafting/revising the manuscript, study concept or design. Jun Guo: study concept or design and study supervision. Liang Xia: analysis or acquisition of data. Jian Chen: revising the manuscript. Wei Shi: analysis or interpretation of the data. Guan Sun: analysis and interpretation of data.

**ACKNOWLEDGMENT**

The authors thank staff of the Department of Neurosurgery of the Affiliated Hospital of Nantong University for technical assistance and equipment support.

**STUDY FUNDING**

No targeted funding reported.

**DISCLOSURE**

The authors report no disclosures relevant to the manuscript. Go to Neurology.org for full disclosures.

**REFERENCES**

Teaching NeuroImages: Giant cystic echinococcosis with unusual imaging manifestations
Dekang Nie, Liang Xia, Jian Chen, et al.
Neurology 2017;88:e234-e235
DOI 10.1212/WNL.0000000000004055

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