References

- Centers for Disease Control and Prevention. Outbreak of West Nile-like viral encephalitis—New York, 1999. *MMWR Morb Mortal Wkly Rep* 1999;48:845–849.
- Centers for Disease Control and Prevention. Update: West Nile-like viral encephalitis—New York, 1999. *MMWR Morb Mortal Wkly Rep* 1999;48:890–892.
- Ceausu E, Erscoiu S, Calistru P, et al. Clinical manifestation in the West Nile Virus outbreak. *Rom J Virol* 1997;48:3–11.
- Cernescu C, Ruta SM, Tardei G, et al. A higher number of severe neurologic clinical forms during an epidemic of West Nile virus infection. *Rom J Virol* 1997;48:13–25.
- Han LL, Popovici F, Alexander Jr JP, et al. Risk factors for West Nile virus infection meningoencephalitis, Romania, 1996. *J Infect Dis* 1999;179:230–233.
- Hubalek Z, Halouzka J. West Nile fever: a reemerging mosquito-born viral disease in Europe. *Emerg Infect Dis* 1999;5:643–650.
- Smithburn KC, Hughes TP, Burke AW, Paul JH. A neurotropic virus isolated from the blood of a native of Uganda. *Am J Trop Med Hyg* 1940;20:471.
- Klingberg MA, Jasinka-Klinberg W, Goldblum N. Certain aspect of the epidemiology and distribution of immunity of West Nile virus in Israel. *Proceedings of the 6th International Congress of Tropical Medicine* 1959;5:132–140.
- McIntosh BM, Jupp PG, Dos Santos I, Meenehan GM. Epidemics of West Nile and Sindbis viruses in South Africa with *Culex univittatus Theobald* as vector. *S Afr J Sci* 1976;72:295–300.
- Tsai TF, Popovici F, Cernescu C, Campbell GL, Nedelcu NI. West Nile encephalitis epidemic in southeastern Romania. *Lancet* 1998;352:767–771.

NeuroImages

Figure. (A) Cardiac echocardiogram shows a large tumor (T) in the left atrium (LA) that crosses the mitral valve. Note the irregular surface on the left ventricular side of the tumor (arrows). (B) MR (repeat time 3475; echo time 96; TA 3:12) shows a large left middle cerebral artery infarction. There are also small punctate lesions at the gray/white junction and in the white matter of the right hemisphere.

Embolic strokes in an 8-year-old girl

Cheri Landers, MD, Robert Baumann, MD, Carol M. Cottrill, MD, Lexington, KY

Three days before admission, this previously healthy 8-year-old girl developed right shoulder pain and cough. Chest X-ray showed right lower lobe infiltrate and antibiotics were administered. The evening before admission she awoke, vomited, and was confused and incoherent. At her local hospital she continued to be "confused" and had decreased use of her right extremities. At the University of Kentucky Children's Hospital she was awake and able to follow commands but not to speak. There was weakness of the right face, arm, and leg, and a right visual field defect. Reflexes were abnormally brisk on the right side and left arm. A cardiac murmur was heard. Laboratory tests included a hematocrit of 27 and an erythrocyte sedimentation rate of 63. Cardiac echocardiogram demonstrated a large left atrial tumor (figure A) and a patent ductus arteriosus (PDA) with left-to-right shunting. There was mild

mitral valve obstruction with a mean mitral valve gradient of 6 mm Hg.

Her respiratory symptoms suggest a pulmonary embolus via the PDA several days before a larger embolus occluded the left middle cerebral artery. MR shows previous smaller infarcts and a large left middle cerebral artery infarction (figure, B). MR angiography documented complete occlusion of the left middle cerebral artery. The following morning a myxoma was removed from her left atrium.

Atrial myxoma is easily identified by echocardiography; therefore, young patients with cerebrovascular accident should have an echo to find this unusual but treatable cause of childhood stroke.^{1,2}

- Knepper LE, Biller J, Adams HP Jr, Bruno A. Neurologic manifestations of atrial myxoma. A 12-year experience and review. *Stroke* 1988;19:1435–1440.
- Bayie H, Morrelli PJ, Smith TH, Biancaniello TA. A left atrial myxoma presenting as a cerebrovascular accident. *Pediatr Neurol* 1999;21:569–572.

Neurology[®]

Embolic strokes in an 8-year-old girl

Neurology 2000;55;146

DOI 10.1212/WNL.55.1.146

This information is current as of July 12, 2000

Updated Information & Services

including high resolution figures, can be found at:
<http://n.neurology.org/content/55/1/146.full>

Citations

This article has been cited by 1 HighWire-hosted articles:
<http://n.neurology.org/content/55/1/146.full##otherarticles>

Permissions & Licensing

Information about reproducing this article in parts (figures, tables) or in its entirety can be found online at:
http://www.neurology.org/about/about_the_journal#permissions

Reprints

Information about ordering reprints can be found online:
<http://n.neurology.org/subscribers/advertise>

Neurology® is the official journal of the American Academy of Neurology. Published continuously since 1951, it is now a weekly with 48 issues per year. Copyright . All rights reserved. Print ISSN: 0028-3878. Online ISSN: 1526-632X.