

Are your MRI contrast agents cost-effective?

Learn more about generic Gadolinium-Based Contrast Agents.



FRESENIUS
KABI

caring for life

AJNR

Reply:

G.-F. Yang, L.-J. Zhang, G.-M. Lu, S.-Y. Wu, W. Tian and K. Shah

AJNR Am J Neuroradiol published online 9 June 2009

<http://www.ajnr.org/content/early/2009/06/09/ajnr.A1710.citation>

This information is current as of April 20, 2024.

Reply:

We would like to thank Drs Aralasmak and Karaali for their interest in our report of extraventricular neurocytomas (EVNs) published in the March 2009 issue of the *American Journal of Neuroradiology*¹ and their excellent comments. We also read with interest their article,² in which they present a case of EVN, which showed nonenhancing and hypovascular features, which are uncommon imaging findings and much different from ours and other authors' cases.^{1,3,4} Their presentation of CT perfusion data is unique in the literature.

In our article, we did mention that EVN should be considered in the differential diagnosis when a large cerebral parenchymal mass with cystic necrosis, calcification and/or hemorrhagic foci, and extensive enhancement is encountered in younger patients, on the basis of our cases and other reports. We described EVNs as variably enhancing masses¹ at the time of the submission of our article, before the case presented by Aralasmak et al² had been published on-line. The conclusion can now be drawn that marked enhancement is not always necessary for EVNs.² We appreciate Aralasmak et al for broadening our knowledge in the diagnosis of EVNs.

After reviewing seriously the case of Aralasmak et al,² we agree that dysembryoplastic neuroepithelial tumor should also be in the differential diagnosis of some EVNs due to the unique imaging features and histologic similarity. However, we regard the imaging findings that Aralasmak et al described as uncommon ones in EVN. Most EVNs appear as a large parenchymal mass with cystic necrosis, calcification, and/or hemorrhagic foci and extensive enhancement, whereas few EVNs are hypovascular with no or mild enhancement. We believe a future investigation with a larger series is required to evaluate the usefulness of CT and/or MR perfusion data in the differential diagnosis of suspected EVNs.

References

1. Yang GF, Wu SY, Zhang LJ, et al. **Imaging findings of extraventricular neurocytoma: report of 3 cases and review of the literature.** *AJNR Am J Neuroradiol* 2009;30:581–85. Epub 2008 Oct 8
2. Aralasmak A, Karaali K, Akyuz M, et al. **MR imaging and CT perfusion findings of an extraventricular neurocytoma.** *Eur J Radiol Extra* 2008;69:e53–e56
3. Tortori-Donati P, Fondelli MP, Rossi A, et al. **Extraventricular neurocytoma with ganglionic differentiation associated with complex partial seizures.** *AJNR Am J Neuroradiol* 1999;20:724–27
4. Chan A, McAbee G, Queenan J, et al. **Ganglioneurocytoma mimicking a malignant tumor: case report with a literature review of the MRI appearance of neurocytomas and gangliogliomas.** *J Neuroimaging* 2001;11:47–50

G.-F. Yang

Department of Nuclear Medicine

L.-J. Zhang

G.-M. Lu

Department of Medical Imaging

Jinling Hospital

Clinical School of Medical College

Nanjing University

Nanjing, China

S.-Y. Wu

Medical Imaging Institute of Tianjin

Tianjin, China

W. Tian

Center of Medical Imaging

First Affiliated Hospital of Kunming Medical College

Kunming, China

K. Shah

Department of Diagnostic Radiology

University of Texas

MD Anderson Cancer Center

Houston, Tex

DOI 10.3174/ajnr.A1710