Temporal anterior encephalocele

A 45-year-old woman had complex partial seizures for 25 years with pharmaco-resistance for 2 years. EEG showed right temporal epileptiform discharges. MRI revealed atrophy of the right temporal parenchyma (figure, A) herniating toward the pterygomaxillary fossa and the sphenoidal sinus (figure, C). CT demonstrated the bone defect of the sphenoid wing (figure, B) whereas the fusion of both techniques identified this abnormality as an anterobasal temporal encephalocele (figure, D) causing this late-onset epilepsy.\(^1\)\(^2\)

Encephaloceles can arise from neural tube defect or trauma. Such a congenital temporal encephalocele should be considered in the differential diagnosis of temporal epilepsy and should prompt a surgical workup which may be curative.

M.I. Vargas, MD, S. Vulliemoz, MD, A. Rosset, MD, M. Seeck, MD, J. Delavelle, MD, Geneva, Switzerland

Disclosure: The authors report no disclosures.

Address correspondence and reprint requests to Dr. Maria Isabel Vargas, Division of Neuroradiology, Department of Radiology, DISIM, Hôpital Universitaire HUG, 24 Micheli-du-Crest, 1211 Genève 14, Switzerland; maria.i.vargas@hcuge.ch


Temporal anterior encephalocele
M. I. Vargas, S. Vulliemoz, A. Rosset, et al.

Neurology 2008;71;1293
DOI 10.1212/01.wnl.0000327602.65933.79

This information is current as of October 13, 2008

Updated Information & Services
including high resolution figures, can be found at:
http://www.neurology.org/content/71/16/1293.full.html

References
This article cites 2 articles, 0 of which you can access for free at:
http://www.neurology.org/content/71/16/1293.full.html##ref-list-1

Citations
This article has been cited by 2 HighWire-hosted articles:
http://www.neurology.org/content/71/16/1293.full.html##otherarticles

Subspecialty Collections
This article, along with others on similar topics, appears in the following collection(s):
All Epilepsy/Seizures
http://www.neurology.org/cgi/collection/all_epilepsy_seizures
CT
http://www.neurology.org/cgi/collection/ct
Epilepsy semiology
http://www.neurology.org/cgi/collection/epilepsy_semiology
MRI
http://www.neurology.org/cgi/collection/mri
Volumetric MRI use in epilepsy
http://www.neurology.org/cgi/collection/volumetric_mri_use_in_epilepsy

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

Reprints
Information about ordering reprints can be found online:
http://www.neurology.org/misc/addir.xhtml#reprintsusa

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.