

Vol. 44, No. 3, 2008

[Free Abstract](#) [Article \(Fulltext\)](#) [Article \(PDF 189 KB\)](#)

Search in this issue

Search

This journal is part of the first subject package of the Karger [Journal Archive Collection](#)

Information on packages ([PDF](#))
Free [sample issues](#)

Case Report

Gliomatosis Cerebri - An Uncommon Neuroepithelial Tumor in Children with Oligodendroglial Phenotype

Lily Pal^a, Sanjay Behari^b, Shaleen Kumar^c, Raj Kumar^b, S.K. Shankar^e, R.K. Gupta^d

Departments of

^aPathology,

^bNeurosurgery,

^cRadiotherapy and

^dRadiology, Sanjay Gandhi Postgraduate, Institute of Medical Sciences, Lucknow, and

^eDepartment of Neuropathology, National Institute of Mental Health and Neurosciences, Bangalore, India

[Address of Corresponding Author](#)

Pediatr Neurosurg 2008;44:212-215 (DOI: 10.1159/000120153)

Key Words

- Pediatric brain tumors
- Gliomatosis cerebri
- Oligodendroglioma
- Astrocytes
- Oligodendrocytes

Abstract

Gliomatosis cerebri(GC) is a highly aggressive, rare form of neuroepithelial tumor. Due to the diffuse nature of the tumor, its pathological grade is not conclusively established unless a biopsy is carried out from multiple sites. The tumor typically infiltrates the cortex in the subpial plane and also insinuates in the perineuronal space and around the Virchow-Robin spaces with relative preservation of the underlying brain parenchyma. Most of the previously reported cases of GC are astrocytic in nature. In this study, we report 2 pediatric patients of GC with oligodendroglial morphology on histopathological examination. In view of the rarity of the oligodendroglial phenotype of gliomatosis cerebri as well as the rare occurrence in children, we report these 2 cases.

Copyright © 2008 S. Karger AG, Basel

Author Contacts

Lily Pal, Associate Prof. of Pathology
Sanjay Gandhi Postgraduate Institute of Medical Sciences
Raebareli Road
Lucknow 14 (India)
Tel. +91 522 2668 0048, Fax +91 522 2668 017/078, E-Mail pal_lily@yahoo.co.uk

 **Article Information**


Received: November 13, 2006

Accepted after revision: April 12, 2007

Published online: March 11, 2008

Number of Print Pages : **4**

Number of Figures : **2**, Number of Tables : **0**, Number of References : **18**

 **Copyright** © 2008 S. Karger AG, Basel