

## PubMed

U.S. National Library of Medicine  
National Institutes of Health



Display Settings:  Abstract

[Brain Tumor Pathol.](#) 2010 Dec 23. [Epub ahead of print]

### **A case of atypical teratoid/rhabdoid tumor in an adult, with long survival.**

Takahashi K, Nishihara H, Katoh M, Yoshinaga T, Mahabir R, Kanno H, Kimura T, Tanino M, Ikeda J, Sawamura Y, Nagashima K, Tanaka S.

Laboratory of Cancer Research, Department of Pathology, Hokkaido University Graduate School of Medicine, N15, W7, Kita-Ku, Sapporo, Hokkaido, Japan.

#### **Abstract**

Atypical teratoid/rhabdoid tumor (AT/RT) is a malignant tumor that mostly occurs in early childhood and has poor prognosis despite aggressive therapy. Adult cases are rare and, as far as we are aware, only 30 cases have been reported to date. Here we present the case of a 27-year-old female with left parietal AT/RT with the chief complaint of numbness of the right superior limb. First, the tumor was surgically removed and the diagnosis was grade II glioma. With additional radiotherapy, the clinical course after surgery was favorable. After 6 years, she had an operation for recurrence and the diagnosis was grade III glioma. Temozolomide was prescribed, and a disease-free period of 2 years followed. Surgery was performed for a third time for second recurrence with histology of diffuse growth of rhabdoid cells. Immunohistochemistry was partially positive for vimentin and epithelial membrane antigen. Ki-67 labeling index was extremely high and tumor cells showed no staining of INI1 suggestive of diagnosis of AT/RT. We re-evaluated past specimens and none had immunoreactivity of INI1. Ki-67 labeling index and O-6 methylguanine DNA methyltransferase (MGMT) staining were also re-examined and both increased gradually. She is still alive without recurrence for more than 1 year. As far as we are aware, this is the second longest survival of an adult with AT/RT.

PMID: 21181449 [PubMed - as supplied by publisher]

[LinkOut - more resources](#)