

AANP Slide Session 1963

CASE 7

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A 19-year-old man was hospitalized for treatment of a brain tumor which began to manifest itself 2 years before by a left facial palsy and 3 months prior to admission by increased frontal headaches, blurring of vision and personality changes. A biopsy of the deep seated tumor in the "fronto-temporal" region was diagnosed as "malignant glioma of the astrocytic series". Resection of the tumor was considered inadvisable.

During 5 weeks he received a total of 6000r to the right temporal region, 3000r to the vertex, 3000r to the right occipital, and 2500r to the left temporal region. (Daily dose 500r, field size 10x10 cm. KV 1000; Filter W3; HVL Pb 3.6; MA 3; TSD 70; r/min. air 80). The total tumor dose was calculated as 8320r; the total surface radiation dose 14500r.

The patient survived for 13 years. Autopsy showed cystic degeneration of the white matter throughout the right cerebral hemisphere with preservation of the cortex. The slides are from the right parietal lobe.