



LEGEND:

Historical survival curves (Kaplan-Meier survival curves) for patients with malignant gliomas (malignant astrocytomas + glioblastoma multiforme). The bottom curve is a retrospective analysis of 1561 cases drawn from the pre-1980 literature; in each patient a radical excision was either achieved or attempted prior to further treatment (Salcman, 1980). The dashed line represents a retrospective analysis of 1558 further cases published from 1980-1990. The third curve is based on 279 cases in the 1990's. These curves represent the accumulated experience with more than 3000 cases and may be taken as the best reported results to date with malignant astrocytoma and glioblastoma multiforme.

The curve labeled Wascher (NeuroSpine) represents the cumulative dated from 53 consecutive patients with malignant astrocytoma and glioblastoma multiforme in whom gross total resection was either achieved or attempted prior to further treatment (as in the patients represented in the three previous curves). The results indicate a significant improvement in survival outcome to that which has previously been best reported.

(Adapted from page 471 of "Glioblastoma and Malignant Astrocytoma" by M. Salcman in *Brain Tumors: An Encyclopedic Approach*: A. Kaye and ER Laws, ed. Churchill Livingstone, 1995.