

Supplementary material 1

**MITOTIC INDEX IS AN INDEPENDENT PREDICTOR OF
RECURRENCE-FREE SURVIVAL IN MENINGIOMA**

Brain Pathology

Authors:

Adriana Olar, Khalida M Wani, Erik P Sulman, Alireza Mansouri, Gelareh Zadeh, Charmaine D Wilson, Franco DeMonte, Gregory N Fuller, Kenneth D Aldape

Corresponding authors:

Adriana Olar, MD
The University of Texas MD Anderson Cancer Center
Dept. of Pathology, G1.3510
1515 Holcombe Blvd.
Houston, TX, 77030, USA
Phone: 713-745-0935
Fax: 713-745-0789
Email: adriana_olar@yahoo.com

Kenneth Aldape, MD
Princess Margaret Cancer Centre and Ontario Cancer Institute
610 University Ave
Toronto, ON M5G 2M9, Canada
Email: kaldape@uhnresearch.ca

Table: Simpson grade definitions and the risk of recurrence in meningioma as originally described by Dr. Donald Simpson in 1957 [1].

Simpson Grade	Completeness of Resection	Recurrence rate (%)
I	Complete removal of tumor with its dural attachments including resection of underlying abnormal bone and/or involved sinus (if applicable)	9
II	Complete removal and coagulation of dural attachment (charring) and tumor extensions	19
III	Complete removal without resection or coagulation of dural attachments, or without resection of abnormal bone or invaded sinus	29
IV	Subtotal resection	39

Reference:

1. Simpson D (1957) The recurrence of intracranial meningiomas after surgical treatment. Journal of neurology, neurosurgery, and psychiatry 20: 22-39