



## DAFTAR PUSTAKA

Alifieris, C., Trafalis, D.T., 2015. Glioblastoma multiforme: Pathogenesis and treatment. *Pharmacol. Ther.* 152, 63–82. <https://doi.org/10.1016/j.pharmthera.2015.05.005>

American Brain Tumor Association. (2017). Glioblastoma and Malignant Astrocytoma. [Internet]. Available from: <http://www.abta.org/secure/glioblastoma-brochure.pdf>.

Bell E. H., Zhang P., Fisher B. J., et al. Association of MGMT Promoter Methylation Status With Survival Outcomes in Patients With High-Risk Glioma Treated With Radiotherapy and Temozolomide: An Analysis From the NRG Oncology/RTOG 0424 Trial. *JAMA Oncol.* 2018;4(10):1405-1409. doi:10.1001/jamaoncol.2018.1977

Binabaj, M. M., Bahrami, A., ShahidSales, S., Joodi, M., Joudi Mashhad, M., Hassanian, S. M., Anvari, K., & Avan, A. (2018). The prognostic value of MGMT promoter methylation in glioblastoma: A meta-analysis of clinical trials. *Journal of cellular physiology*, 233(1), 378–386. <https://doi.org/10.1002/jcp.25896>

Combs SE, Rieken S, Wick W, et al. Prognostic significance of IDH-1 and MGMT in patients with glioblastoma: one step forward, and one step back?. *Radiat Oncol.* 2011;6:115. Published 2011 Sep 13. doi:10.1186/1748-717X-6-115

Diwanji, T. P., Engelman, A., Snider, J. W., & Mohindra, P. (2017). Epidemiology, diagnosis, and optimal management of glioma in adolescents and young adults. *Adolescent health, medicine and therapeutics*, 8, 99–113. <https://doi.org/10.2147/AHMT.S53391>

Florian I.S., et al. (2013) Risk factors for gliomas. An extensive review, *Romanian Neurosurgery*, XX 1, 5-21. DOI: 10.2478/v10282-012-0016-z.

Franceschi E., Tosoni A., Minichillo S., et al. The Prognostic Roles of Gender and O6-Methylguanine-DNA Methyltransferase Methylation Status in Glioblastoma Patients: The Female Power. *World Neurosurgery*, 2018-04-01, 112, e342-e347.

Gilbert MR, Wang M, Aldape KD, et al. Dose-dense temozolomide for newly diagnosed glioblastoma: a randomized phase III clinical trial. *J Clin Oncol* 2013; 31:4085-91.



Gittleman H., Lim D., Kattan M.W., Chakravarti A., Gilbert M.R., Lassman A.B., et. al.: An independently validated nomogram for individualized estimation of survival among patients with newly diagnosed glioblastoma: NRG Oncology RTOG 0525 and 0825. *Neuro Oncol* 2017; 19: pp. 669-677.

Gittleman H, Ostrom QT, Stetson LC, et al. Sex is an important prognostic factor for glioblastoma but not for nonglioblastoma. *Neurooncol Pract.* 2019;6(6):451-462. doi:10.1093/nop/npz019

Håvik AB, Brandal P, Honne H, et al. MGMT promoter methylation in gliomas-assessment by pyrosequencing and quantitative methylation-specific PCR. *J Transl Med.* 2012;10:36. Published 2012 Mar 6. doi:10.1186/1479-5876-10-36

Hofer, S., Rushing, E., Preusser, M., Marosi, C. (2014). Molecular biology of high-grade gliomas: what should the clinician know? *Chin. J. Cancer* 33, 4–7. <https://doi.org/10.5732/cjc.013.10218>

Jovanović N, Mitrović T, Cvetković VJ, et al. The Impact of MGMT Promoter Methylation and Temozolomide Treatment in Serbian Patients with Primary Glioblastoma. *Medicina (Kaunas).* 2019;55(2):34. Published 2019 Feb 1. doi:10.3390/medicina55020034

July J, Patricia D, Gunawan PY, et al. Clinicopathological associations and prognostic values of IDH1 gene mutation, MGMT gene promoter methylation, and PD-L1 expressions in high-grade glioma treated with standard treatment. *Pan Afr Med J.* 2020;36:309. Published 2020 Aug 20. doi:10.11604/pamj.2020.36.309.24831

Lakomy R, Sana J, Hankeova S, et al. MiR-195, miR-196b, miR-181c, miR-21 expression levels and O6-methylguanine-DNA methyltransferase methylation status are associated with clinical outcome in glioblastoma patients. *Cancer Sci.* 2011 Dec;102(12):2186-90.

Lapointe, S., Perry, A., & Butowski, N. A. (2018). Primary brain tumours in adults. *Lancet (London, England)*, 392(10145), 432–446. [https://doi.org/10.1016/S0140-6736\(18\)30990-5](https://doi.org/10.1016/S0140-6736(18)30990-5)

Liu Y, Scheurer ME, El-Zein R, et al. Association and interactions between DNA repair gene polymorphisms and adult glioma. *Cancer Epidemiol Biomarkers Prev.* 2009 Jan;18(1):204-14.



Louis, D. N. et al. (2016). 'The 2016 World Health Organization Classification of Tumors of the Central Nervous System: a summary', *Acta Neuropathologica*. Springer Berlin Heidelberg, 131(6), pp. 803–820. doi: 10.1007/s00401-016-1545-1.

Malueka RG, Dwianingsih EK, Bayuangga HF, et al. Clinicopathological Features and Prognosis of Indonesian Patients with Gliomas with IDH Mutation: Insights into Its Significance in a Southeast Asian Population. *Asian Pac J Cancer Prev*. 2020;21(8):2287-2295. Published 2020 Aug 1. doi:10.31557/APJCP.2020.21.8.2287

Mansouri A, Hachem LD, Mansouri S, et al. MGMT promoter methylation status testing to guide therapy for glioblastoma: refining the approach based on emerging evidence and current challenges. *Neuro Oncol*; Published 5 September 2018. doi: 10.1093/neuonc/noy132.

Mesfin FB, Al-Dhahir MA. Gliomas. [Updated 2020 Aug 10]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK441874/>

Michaud DS, Gallo V, Schlehofer B, et al. Reproductive factors and exogenous hormone use in relation to risk of glioma and meningioma in a large European cohort study. *Cancer Epidemiol Biomarkers Prev*. 2010 Oct;19(10):2562-9.

Ohgaki H, Kleihues P. Epidemiology and etiology of gliomas. *Acta Neuropathol*. 2005 Jan;109(1):93-108.

Pandith AA, Qasim I, Baba SM, et al. Favorable role of IDH1/2 mutations aided with MGMT promoter gene methylation in the outcome of patients with malignant glioma. *Future Sci OA*. 2020;7(3):FSO663. Published 2020 Dec 9. doi:10.2144/fsoa-2020-0057

Qi Z-Y, Shao C, Zhang X, Hui G-Z, Wang Z (2013) Exogenous and Endogenous Hormones in Relation to Glioma in Women: A Meta-analysis of 11 Case-Control Studies. *PLoS ONE* 8(7): e68695. <https://doi.org/10.1371/journal.pone.0068695>

Quinn T Ostrom, Nirav Patil, Gino Cioffi, et al. (2020) CBTRUS Statistical Report: Primary Brain and Other Central Nervous System Tumors Diagnosed in the United States in 2013–2017. *Neuro-Oncology*, Volume 22, Issue Supplement\_1, October 2020, Pages iv1–iv96. <https://doi.org/10.1093/neuonc/noaa200>

Schiffgens S, Wilkens L, Brandes AA, et al. Sex-specific clinicopathological significance of novel (Frizzled-7) and established (MGMT, IDH1) biomarkers in



glioblastoma. *Oncotarget*. 2016;7(34):55169-55180.  
doi:10.18632/oncotarget.10465

Shinojima N., et al. The influence of sex and the presence of giant cells on postoperative long-term survival in adult patients with supratentorial glioblastoma multiforme. *J Neurosurg*. 2004;101:219–26.

Sipl C., Urbschat S., Kim Y.J., Senger S., Oertel J., Ketter R.. Promoter methylation of RB1, P15, P16, and MGMT and their impact on the clinical course of pilocytic astrocytomas. *Oncol Lett*. 2018;15(2):1600-1606.  
doi:10.3892/ol.2017.7490

Stupp R., Hegi M.E., Mason W.P., et al. Effects of radiotherapy with concomitant and adjuvant temozolomide versus radiotherapy alone on survival in glioblastoma in a randomised phase III study: 5-year analysis of the EORTC-NCIC trial. *Lancet Oncol* 2009; 10:459-66.

Sun T., Warrington N.M., Luo J., Brooks M.D., Dahiya S., Snyder S.C., et. al.: Sexually dimorphic RB inactivation underlies mesenchymal glioblastoma prevalence in males. *J Clin Invest* 2014; 124: pp. 4123-4133.

Toffolatti L., Scquizzato E., Cavallin S., et al. (2014). MGMT promoter methylation and correlation with protein expression in primary central nervous system lymphoma. *Virchows Archiv*, 465(5), 579–586. doi:10.1007/s00428-014-1622-6

Verger E., Valduvicio I., Caral L., et al. Does gender matter in glioblastoma? *Clin Transl Oncol*. 2011 Oct;13(10):737-41.

Wang P.F., Liu N., Song H.W., et al. IDH-1R132H mutation status in diffuse glioma patients: implications for classification. *Oncotarget*. 2016;7(21):31393-31400. doi:10.18632/oncotarget.8918

Wesseling P., Capper D. (2018). WHO 2016 classification of gliomas. *Neuropathol Appl Neurobiol*. 2018 Feb;44(2):139-150. doi: 10.1111/nan.12432.

Whitmire P., Rickertsen C.R., Hawkins-Daarud A, et al. Sex-specific impact of patterns of imageable tumor growth on survival of primary glioblastoma patients. *BMC Cancer*. 2020;20(1):447. Published 2020 May 19. doi:10.1186/s12885-020-06816-2

Wick, W., Weller, M., van den Bent, M., Sanson, M., Weiler, M., von Deimling, A., Plass, C., Hegi, M., Platten, M., & Reifenberger, G. (2014). MGMT testing--the challenges for biomarker-based glioma treatment. *Nature reviews. Neurology*, 10(7), 372–385. <https://doi.org/10.1038/nrneurol.2014.100>



Yan W., Zhang W., You G., et al. Correlation of IDH1 mutation with clinicopathologic factors and prognosis in primary glioblastoma: a report of 118 patients from China. *PLoS One*. 2012;7(1):e30339. doi:10.1371/journal.pone.0030339

Yang P., Zhang W., Wang Y., et al. IDH mutation and MGMT promoter methylation in glioblastoma: results of a prospective registry. *Oncotarget*. 2015;6(38):40896-40906. doi:10.18632/oncotarget.5683

Yoshioka M., Matsutani T., Hara A., et al. Real-time methylation-specific PCR for the evaluation of methylation status of MGMT gene in glioblastoma. *Oncotarget*. 2018;9(45):27728-27735. Published 2018 Jun 12. doi:10.18632/oncotarget.25543

Zhou K, Hu D, Lu J, Fan W, Liu H, Chen H, Chen G, Wei Q, Du G, Mao Y, Lu D, Zhou L. A genetic variant in the APE1/Ref-1 gene promoter -141T/G may modulate risk of glioblastoma in a Chinese Han population. *BMC Cancer*. 2011 Mar 23;11:104.