

## DAFTAR PUSTAKA

- Adham, M., Kurniawan, A.N., Muhtadi, A.I., Roezin, A., Hermani, B., Gondhowiardjo, S., Tan, I.B., Middeldorp, J.M. 2012. Nasopharyngeal Carcinoma in Indonesia: Epidemiology, Incidence, Sign and Symptom at Presentation. *Chin J Cancer*: 31 (4): 185-196
- Arnold, M., Wildeman, M.A., Visser, O. Karim-Kos, H.E., Middeldorp, J.M., Fles, R., Tan, I.B., Coergh, J.W. 2013. Lower Mortality from Nasopharyngeal Cancer In The Netherlands Since 1970 with Differential Incidence Trends In Histopathology. *J Oral Oncology*: 49: 237-243
- Bei, J.X., Zuo, X.Y., Liu, W.S., Guo, Y.M., Zeng, Y.X. 2016. Genetic Susceptibility to the Endemic Form of NPC. *Chin Clin Oncol*: 5(2):15
- Chan, A.T.C., Theo, P.M.L., Johnson, T.J. 2002. Nasopharyngeal Carcinoma. *Annals of Oncology*: 13: 1007-1015 DOI: 10.1093/annonc/mdf179
- Chou, J., Lin, Y.C., Kim, J., You, L. Xu, Z., He, B., Jablons, D.M. 2008. Nasopharyngeal Carcinoma-Review of The Molecular Mechanisms of Tumorigenesis. *Head and Neck*: 30 (7): 946-963 DOI:10.1002/hed.20833.
- Dai, W., Zheng, H., Cheung, A.K.L., Lung, M.L., 2015. Genetic and epigenetic landscape of nasopharyngeal carcinoma. *Chin Clin Oncol*:5(2):16
- Deep, J.S., Sidhu, S., Chandel, ., Thapliyal, S., Garg, C. 2012. Aberrant Methylation in Promoters of GSTP1, p16, p14 and RASSF1A Genes in Smokers of North India. *ISRN Pulmonology*.
- Departemen Kesehatan Republik Indonesia (Depkes). 2013. *Riset Kesehatan Dasar 2013*. Jakarta: Balai Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan RI
- Friborg, J.T., Yuan, J.M., Wang, R., Koh, W.P., Lee, H.P., Yu, M.C. 2007. A Prospective Study of Tobacco and Alcohol Use as Risk Factors for Pharyngeal Carcinomas in Singapore Chinese. *Cancer*: 6 (109): 1183-1191
- Heikal, N., Nussenzveig, R.H., Agarwal, A.M. 2015. Deparaffinization With Mineral Oil: A Simple Procedure for Extraction of High-quality DNA from Archival Formalin-fixed Paraffin-embedded Samples. *Appl Immunohistochem Mol Morphol* (22): 8: 623-626

- Hsu, W.L., Hsu, M.W., Chen, J.Y., Yang, C.S., Chien, Y.C., Liu, M.Y., Chen, C.J. Independent Effect of EBV and Cigarette Smoking on Nasopharyngeal Carcinoma: A 20-Year Follow-Up Study on 9,622 Males without Family History in Taiwan. *Cancer Epidemiol Biomarkers Prev*:18(4): 1218-1226
- Huang, T., Chen, X., Hong, Q., Deng, Z., Ma, H., Xin, Y., Fang, Y., Ye, H., Zhang, C. Ye, M., Duan, S. 2015. Meta-Analyses of Gene Methylation and Smoking Behavior in Non-Small Cell Lung Cancer Patients. *Sci Reports* (5): 8897 doi: 10.1038/srep08897
- Hutajulu, S., Indrasari, S.R., Indrawati, L.P.L., Harijadi, A., Duin, S., Steenbergen, R.D.M., Greijer, A.E., Middeldrop, J.M., Haryana, S.M. 2011. Epigenetic Markers For Early Detection of Nasopharyngeal Carcinoma in a High Risk Population. *Molecular Cancer* (10): 48.
- Jin, Y., Xu, P., Liu, X., Zhang, C., Tan, C., Chen, C., Sun, X., Yu, Y. 2016. Cigarette Smoking, BPDE-DNA Adducts, and Aberrant Promoter Methylations of Tumor Suppressor Genes (TSGs) in NSCLC from Chinese Population. *Cancer Investigation* doi: 10.3109/07357907.2016.1156689
- Kullis, M., Esteller, M. 2010. DNA Methylation and Cancer. *Advanced in Genetics: Vol. 70* DOI: 10.1016/S0065-2660(10)70002-X
- Kurdyukov, S., Bullock, M. 2016. DNA Methylation Analysis: Choosing the Right Method (Review). *Biology*: 5 (3); DOI:10.3390/biology5010003
- Lee, K.W.K., Pausova, Z. 2013. Cigarette Smoking and DNA Methylation. *Frontiers in Genetics*: 4 (132)
- Li, L., Choi, JY., Lee, KM., Sung, H., Park, SK., Pan, KF., You, WC., Chen, YX., Fang, JY., Matsuo, K., Kim, WH., Yuasa, Y., Kang, D. 2012. DNA Methylation in Peripheral Blood: A Potential Biomarker for Cancer Molecular Epidemiology. *J Epidemiol*: 22(5):384-394
- Li, L.L., Shu, X.S., Wang, Z.H., Cao, Y., Tao, Q. 2011. Epigenetic Disruption of Cell Signaling in Nasopharyngeal Carcinoma. *Chin J Cancer*: 30 (4): 231-239
- Lin, J., Kennedy, S.H., Svarovsky, T., Rogers, J., Kemnitz, J.W., Xu, A., Zondervan, K.T. 2009. High-quality genomic DNA extraction from formalin-fixed and paraffin-embedded samples deparaffinized using mineral oil. *Anal. Biochem.* (395): 265–267

- Migheli, F., Stocco, A., Coppede, F., Omar, W.A.A., Failli, A., Consolini, R., Seccia, M., Spisni, R., Miccoli, P., Mathers, J.C., Migliore, L. 2013. Comparison Study of MS-HRM and Pyrosequencing Techniques for Quantification of APC and CDKN2A Gene Methylation. *Plos one org*: 8(1) e52501
- Nawaz, I. 2015. *Employing Epigenetic Marks to Detect Cancer. Studies On Nasopharyngeal Carcinoma And Lung Cancer* [Thesis]. Stockholm: Karolinska University Press. ISBN 978-91-7549-822-5
- Paska, A.V., Hudler, P. 2015. Aberrant Methylation Patterns In Cancer: A Clinical View. *Biochemia Medica*: 25(2):161–176
- Rocco, J., W. 2001. P16 (MTS-1/CDKN2/INK4a) in Cancer Progression. *Experimental Cell Research*: 264: 42–55
- Romagosa, C., Simonetti, S., Lopez-Vicente, L., Mazo, A., Lleonart, M.E., Castellvi, J., Cajal, S.R. 2011. P16<sup>ink4a</sup> Overexpression in Cancer: A Tumor Suppressor Gene Associated with Senescence and High-Grade Tumors. *Oncogene*: (30) 2087–2097
- Shao, Y., Jiang, H., Wu, X., Luo, Y., Tang, W. 2014. P16 Promoter Hypermethylation is Associated with Increased Risk of Nasopharyngeal Carcinoma. *Mol Clin Onc*: 2: 1121-1124 doi: 10.3892/mco.2014.396
- Shen, L., Waterland, R.A. 20017. Methods of DNA Methylation Analysis. *Curr Opin Clin Nutr Metab Care*: 10:576–581
- Sturgeon, SR., Arcaro, KF., Johnson, MA., Balasubramanian, R., Zorn, M., Jerry, DJ., Schneider, S. 2014. DNA Methylation in Paired Breast Epithelial and White Blood Cells from Women Undergoing Reduction Mammoplasty. *Anticancer Res*: 34: 2985-2990
- Teschendorff, A.E., Menon, U., Gentry-Maharaj, A., Ramus, S.J., Gayther, S.A., Apostolidou, S., Jones, A., Lechner, M., Beck, S. Jacobs, I.J., Widshwendter, M. 2009. An Epigenetic Signature in Peripheral Blood Predicts Active Ovarian Cancer. *Plos One*: 4(12): e8274
- Thompson, L.D.R. 2007. Update on Nasopharyngeal Carcinoma. *Head and Neck Pathol*: (1): 81-86 DOI 10.1007/s12105-007-0012-7
- Tian, F., Yip, S.P., Kwong, D.L.W., Lin, Z., Yang, Z., Wu, V.W.C. 2013. Promoter hypermethylation of tumor suppressor genes in serum as

potential biomarker for the diagnosis of nasopharyngeal carcinoma.  
*Cancer Epidemiology* (37): 708-713

Tsao, S.W., Yip, Y.L., Tsang, C.M., Pang, P.S., Lau, V.M.Y., Zhang, G., Lo, K.W. 2014. Etiological Factors of Nasopharyngeal Carcinoma. *Journal of Oral Oncology*: 50: 330-338

Tulalamba, W., Janvilisri, T. 2012. Nasopharyngeal Carcinoma Signaling Pathway: An Update on Molecular Biomarkers. *International Journal of Cell Biology*.

Walton, E., Hass, J., Liu, J., Roffman, J.L., Bernardoni, F., Kirsch, M., Schackert, G., Calhoun, V., Ehrlich, S. 2016. Correspondence of DNA Methylation Between Blood and Brain Tissue and Its Application to Schizophrenia Research. *Schizophr Bull*: 42 (2): 406-414

Wei, K.R., Zheng, R.S., Zhang, S.W., Liang, Z.H., Ou, Z.X., Chen, W.Q. 2010. Nasopharyngeal Carcinoma Incidence and Mortality in China in 2010. *Chinese J Cancer*: 33 (8): 381-387 DOI: 10.5732/cjc.014.10086

WHO-IARC. 2012. GLOBOCAN 2012: Estimated Cancer Incidence, Mortality and Prevalence Worldwide in 2012. Tersedia di: [http://globocan.iarc.fr/Pages/summary\\_table\\_site\\_sel.aspx](http://globocan.iarc.fr/Pages/summary_table_site_sel.aspx)

Wojdacz, T., Dobrovic, A. 2007. Methylation-sensitive high resolution melting (MS-HRM): a new approach for sensitive and high-throughput assessment of methylation. *Nucleic Acids Res*: 35 (6) doi: 10.1093/nar/gkm013

Wong, T.S., Man, M.W.L., Lam, A.K.Y., Wei, W.I., Kwong, Y.L., Yuen, A.P.W. 2003. The Study of p16 and p15 Gene Methylation in Head and Neck Squamous Cell Carcinoma and Their Quantitative Evaluation in Plasma by Real-Time PCR. *Eur J Cancer*: 13: 1881-1887

Woodson, K. Mason, J. Choi, S.W., Hartman, T., Tangrea, J., Virtamo, J., Taylor, P.R., Albanes, D. 2001. Hypomethylation of p53 in Peripheral Blood DNA is Associated with the Development of Lung Cancer. *Cancer Epidemiol Biomarkers Prev*: 10: 69-74

World Health Organization (WHO). 2012. *Global Adult Tobacco Survey: Indonesia Report 2011*. New Delhi: World Health Organization, Regional Office for South East Asia

Wu, X.M., Chen, Y., Shao, Y., Zhou, X.L., Tang, W.R. 2014. Association between Cigarette Smoking and RASSF1A Gene Promoter Hypermethylation in

Lung Cancer Patient: a Metaanalysis. *Asian Pac J Cancer Prev*: 15(19): 8451-8454

Xue, W.Q., Qin, H.D., Ruan, H.L., Shugart, Y.Y., Jia, W.H. 2013. Quantitative Association of Tobacco Smoking With the Risk of Nasopharyngeal Carcinoma: A Comprehensive Meta-Analysis of Studies Conducted Between 1979 and 2011. *Am J Epidemiol*: 178(3): 325–338

Yang, W., Ciu, S., Ma, J., Lu, Q., Kong, C., Liu, T., Sun, Z. 2012. Cigarette Smoking Extract Causes Hypermethylation and Inactivation of WWOX Gene in T-24 Human Bladder Cancer Cells. *Neoplasma* (59): 2  
doi:10.4149/neo\_2012\_028

Zakhari, S. 2014. Alcohol Metabolism and Epigenetic Changes. *Alcohol Research: Current Review*: 35 (1): 6-16