

DAFTAR PUSTAKA

- Adham, M., Kurniawan, A.N., Muhtadi, A.I., Roezin, A., Hermani, B., Gondhowiardjo, S., *et al.* 2012. Nasopharyngeal carcinoma in Indonesia : epidemiology, incidence, sign, and simptoms at presentation. *Chinese J. Cancer.* 31(4):185-196
- Arnold, M., Wildeman, M.A., Visser, O., Karim-Kos, K.E., Middeldrop, J.M., Fles, R., *et al.* 2013. Lower mortality from nasopharyngeal cancer Netherlands since 1970 with differential incidence trends in histopathology. *Oral Oncol.* 49:237-243
- Bei, J., Jia, W., Zeng, Y. 2012. Familial and large scale case-control studies identify genes associated with nasopharyngeal carcinoma. *Semin. Cancer Bio.* 22:96-106
- Belitsky, G.A. & Yakubovskaya, M.G. 2008. Genetic polymorphism and variability of chemical carcinogenesis. *Biochemistry (Moscow).* 73(5):543–554
- Bray, F., Haugen, M., Moger, T.A., Tretli, S., Aalen, O.O., Grotmol, T. 2008. Age-incidence curves of nasopharyngeal carcinoma worldwide: bimodality in low-risk populations in aetiologic implications. *Cancer Epidemiol Biomarkers Prev.* 17:2356-2365
- Chang, E.T. & Adami, H. 2006. The enigmatic epidemiology of nasopharyngeal carcinoma. *Cancer Epidemiol. Biomarkers Prev.* 15:1765-1777
- Chen, C., Shen, L., Li, B., Gao, J., Xia, Y. 2014. Smoking is a poor prognostic factor for male nasopharyngeal carcinoma treated with radiotherapy. *Radiotherapy and Oncol.* 110:409-415
- Chiu, S., Wu, C., Fang, C., Yu, S., Hsu, H., Chow, Y., *et al.* 2014. Epstein-Barr virus BALF3 mediates genomic instability and progressive malignancy in nasopharyngeal carcinoma. *Oncotarget.* 5(18):8583–8601
- Cho, E., Hildesheim, A., Chen, C., Hsu, M., Chen, I., Mittl, B.F., *et al.* 2003. Nasopharyngeal carcinoma and genetic polymorphisms of DNA repair enzymes XRCC1 and hOGG1 1. *Cancer Epidemiol. Biomarker Prev.* 12:1100–1104
- Claudio, P.P., Howard, F.M., Fu, Y., Cinti, C., Califano, L., Micheli, P., *et al.* 2000. Mutations in the retinoblastoma-related gene RB2/p130 in primary nasopharyngeal carcinoma. *Cancer Res.* 60:8–12
- Collins, A. & Ke, X. 2012. Primer1:primer design web service for tetra-primer ARMS-PCR. *The Open Bioinformatics J.* 6:55-58

- Danko, I.M. & Chaschin, N.A. 2005. Association of CYP2E1 gene polymorphism with predisposition to cancer development. *Exp. Oncol.* 27(4):248–256
- Devi, B.C.R., Pisani, P., Tang, T.S., Parkin, D.M. 2004. High incidence of nasopharyngeal carcinoma in native people of Sarawak, Borneo Island. *Cancer Epidemiol. Biomarkers Prev.* 13:482-486
- Delecluse, H.J., Feederle, R., O’Sullivan, B., Taniere, P. 2007. Epstein-Barr virus-associated tumours: an update for the attention of the working pathologist. *J. Clin. Pathol.* 60:1358-1364. Doi : 10.1136/jcp.2006.044586
- Dodd, L.E., Sengupta, S., Chen, I., Den Boon, J.A., Cheng, Y.J., Westra, W., *et al.* 2006. Genes involved in DNA repair and nitrosamine metabolism and those located on chromosome 14q32 are dysregulated in nasopharyngeal carcinoma. *Cancer Epidemiol. Biomarkers Prev.* 15:2216-2225
- Ekburanawat, W., Ekspanyaskul, C., Brennan, P., Kanka, C., Tepsuwan, K., Temiyastith, S., *et al.* 2010. Evaluation of non-viral risk factors for nasopharyngeal carcinoma in Thailand: results from a case-control study. *Asian Pac. J. Cancer Prev.* 11:929–932
- Fachiroh, J., Sangrajang, S., Johansson, M., Renard, H., Gobarieau, V., Chabrier, A., *et al.* 2012. Tobacco consumption and genetic susceptibility to nasopharyngeal carcinoma (NPC) in Thailand. *Cancer Causes and Control.* 23(12):1995-2002
- Fan, Q., He, J., Wang, Q., Cai, H., Sun, X., Zhou, X., *et al.* 2013. Functional polymorphism in the 5’-UTR of CR2 is associated with susceptibility to nasopharyngeal carcinoma. *Oncol. Reports.* 30:11–16
- Fang, C., Huang, S., Wu, C., Hsu, H., Chou, S., Tsai, C., *et al.* 2012. The synergistic effect of chemical carcinogens enhances Epstein-Barr Virus reactivation and tumor progression of nasopharyngeal carcinoma cells. *PLoS ONE.* 7(9):e44810
- Goh, L.P.W., Chong, E.T.J., Chua, K.H., Chuah, J.A., Lee, P. 2014. Significant Genotype Difference in the CYP2E1 PstI Polymorphism of Indigenous Groups in Sabah, Malaysia with Asian and Non-Asian Populations. *Asian Pac. J. Cancer Prev.* 15(17):7377-7381
- Guo, X., Johnson, R.C., Deng, H., Liao, J., Guan, L., Nelson, G.W., *et al.* 2009. Evaluation of nonviral risk factors for nasopharyngeal carcinoma in a high-risk population of Southern China. *Int. J. Cancer.* 124:2942–2947
- Guo, X., Zeng, Y., Deng, H., Liao, J., Zheng, Y., Li, J., *et al.* 2010. Genetic polymorphisms of CYP2E1, GSTP1, NQO1 and MPO and the risk of nasopharyngeal carcinoma in a Han Chinese population of Southern China. *BMC Res. Notes.* 3(212):1–7

- Hayashi, S., Watanabe, J., Kawajiri, K. 1991. Genetic polymorphisms in the 5'-flanking transcriptional regulation of the human region change cytochrome. *J. Biochem.* 110(4):559–565
- He, Y., Zhou, G., Li, X., Dong, X., Chai, X, Yao, K. 2009. Correlation of polymorphism of the coding region of glutathione S-Transferase M1 to susceptibility of nasopharyngeal carcinoma in South China population. *Chinese J. Cancer.* 28(1):5–7
- Hildesheim, A., Chen C., Caporaso, N.E., Cheng, Y., Hoover, R.N., Hsu, M., *et al.* 1995. Cytochrome P4502E1 genetic polymorphisms and risk of nasopharyngeal carcinoma : results from a case-control study conducted in Taiwan. *Cancer Epidemiol. Biomarker Prev.* 4:607–610
- Hildesheim, A., Anderson, L.M., Chen, C., Cheng, Y., Brinton, L.A., Dally, A.K., *et al.* 1997. CYP2E1 Genetic polymorphisms and risk of nasopharyngeal carcinoma in Taiwan. *J. National Cancer Institute.* 89(16):1207–1212
- Hildesheim, A. & Wang, C. 2012. Genetic predisposition factors and nasopharyngeal carcinoma risk: A review of epidemiological association studies, 2000–2011: Rosetta Stone for NPC: Genetics, viral infection, and other environmental factors. *Semin. Cancer Biol.* Available at: <http://dx.doi.org/10.1016/j.semcancer.2012.01.007>
- Hou, D., Wang, S., He, Z., Yang, F., Chen, Z. 2007. Expression of CYP2E1 in human nasopharynx and its metabolic effect in vitro. *Mol. Cell Biochem.* 298:93–100
- Hsu, W., Tse, K., Liang, S., Chien, Y., Su, W., Yu, K.J., *et al.* 2012. Evaluation of Human Leukocyte Antigen-A (HLA-A), other non-HLA markers on chromosome 6p21 and risk of nasopharyngeal carcinoma. *PLoS ONE.* 7(8):e42767
- Huang, X., Chen, L., Song, W., Chen, L., Niu, J., Han, X., *et al.* 2012. Systemic functional characterization of cytochrome P450 2E1 promoter variants in the Chinese Han population. *PLoS ONE.* 7(7): e40883. doi:10.1371/journal.pone.0040883
- Huang, S., Fang, C., Wu, C., Tsai, C., Lin, S., Chen, J. 2013. Reactive oxygen species mediate Epstein-Barr Virus reactivation by N-methyl-N'-nitro-N-nitrosoguanidine. *PLoS ONE.* 8(12):e841919
- Hutajulu, S.H., Hoebe, E.K., Verkuijlen, S., Fachiroh, J., Hariwijanto, B., Haryana, S.M., *et al.* 2010. Conserved mutation Epstein-Barr Virus encoded BAM-HI rightward frame-1 (BARF1) gene in Indonesian nasopharyngeal carcinoma. *Infectious Agents and Cancer.* 5:16
- IARC monograph. 1997. Epstein-Barr Virus and Kaposi's Sarcoma Herpesvirus/Human Herpesvirus 8. Available at : <http://monographs.iarc.fr/ENG/Monographs/vol70/>

- Jemal, A., Bray, F., Center, M.M., Ferlay, J., Ward, E., Forman, D. 2011. Global cancer statistics. *Ca. Cancer J. Clin.* 61:69-90
- Jia, W., Feng, B., Xu, Z., Zhang, X., Huang, P., Huang, L., *et al.* 2004. Familial risk and clustering of nasopharyngeal carcinoma in Guangdong, China. *Cancer.* 101(2):363-369
- Jia, W., Pan, Q., Qin, H., Xu, Y., Shen, G., Chen, L., *et al.* 2009. A Case-control and a family-based association study revealing an association between CYP2E1 polymorphisms and nasopharyngeal carcinoma risk in Cantonese. *Carcinogenesis.* 30(12):2031-2036
- Jia, W., Luo, X., Feng, B., Ruan, H., Bei, J., Liu, W., *et al.* 2010. Traditional Cantonese diet and nasopharyngeal carcinoma risk : a large-scale case control study in Guangdong, China. *BMC Cancer.* 10:446. Available at : <http://www.biomedcentral.com/1471-2407/10/446>
- Jia, W. & Qin, H. 2012. Non-viral environmental risk factors for nasopharyngeal carcinoma: A systematic review. *Semin. Cancer Biol.* Available at: <http://dx.doi.org/10.1016/j.semcancer.2012.01.009>
- Jiang, J., Jia, W., Chen, H., Feng, B., Qin, H., Pan, Z., *et al.* 2004. Genetic polymorphisms of CYP2A13 and its relationship to nasopharyngeal carcinoma in Cantonese Population. *J. Translational Med.* 2:24
- Kementrian Kesehatan RI. 2013. *Riset Kesehatan Dasar 2013*. Badan Penelitian dan Pengembangan Kesehatan, Kementrian Kesehatan RI. Available at : <http://www.depkes.go.id/resources/download/general/Hasil%20Risikesdas%202013.pdf>
- Kongruttanachok, N., Sukdikul, S., Setavarin, S., Karekhjaranong V., Supiyaphun, P., Voravud, N., *et al.* 2001. Cytochrome P450 2E1 polymorphism and nasopharyngeal carcinoma development in Thailand : a correlative study. *BMC Cancer.* 1(4):1-5
- Lau, H., Leung, C., Chan, Y., Lee, A.W., Kwong, D.L., Lung, M.L., *et al.* 2013. Secular trends of salted fish consumption and nasopharyngeal carcinoma : a multi-jurisdiction ecological study in 8 regions from 3 continents. *BMC Cancer.* 13(298):1-9
- Li, K., Lin, G., Shen, J., Zhou, Q. 2014. Time trends of nasopharyngeal carcinoma in urban Guangzhou over a 12-year period (2000-2011): declines in both incidence and mortality. *Asian Pac. J. Cancer Prev.* 15(22):9899-9903
- Li, Q., Wang, J., Peng, Y., Zhang, S., Ren, T., Luo, H., *et al.* 2013. Association of DNA base-excision repair XRCC1 , hOGG1 and APE1 gene polymorphisms with nasopharyngeal carcinoma susceptibility in a chinese population. *Asian Pac. J. Cancer Prev.* 14(9):5145-5151

- Liao, D., Wu, Y., Pu, X., Chen, H., Luo, S., Li, B., *et al.* 2014. Cyclin D1 G870A polymorphism and risk of nasopharyngeal carcinoma : a case-control study and meta-analysis. *PLoS ONE*. 9(11):e113299
- Moumad, K., Lascorz, J., Bevier, M., Khyatti, M., Ennaji, M.M., Benider, A., *et al.* 2013. Genetics polymorphisms in host innate immune sensor genes and the risk of nasopharyngeal carcinoma in North Africa. *Genes Genomes and Genetics*. 3:971-977
- Nazar-Stewart, V., Vaughan, T.L., Burt, R.D., Chen, C., Berwick, M., Swanson, G.M. 1999. Glutathione S-Transferase M1 and susceptibility to nasopharyngeal carcinoma. *Cancer Epidemiol. Biomarker Prev.* 8:547-551
- Nurhantari, Y., Emoto, N., Rahayu, P., Matsuo, M. 2003. Nasopharyngeal carcinoma in Indonesia has a low prevalence of the 30-base pair deletion of Epstein-Barr Virus Latent Membrane Protein 1. *Southeast Asian J. Trop. Med. Public Health*. 34(1):98-105
- Park, S., Jee, S.H., Shin, H., Park, E.H., Shin, A., Jung, K., *et al.* 2014. Attributable fraction of tobacco smoking on cancer using population-based nation wide cancer incidence and mortality data in Korea. *BMC cancer*. 14:406. Available at : <http://www.biomedcentral.com/1471-2407/14/406>
- Putera, I., Ramadhan, M.G., Anindya, S., Sutanto, N.R., Kurniawan, A., Hosea, F.N., *et al.* 2015. Relationship between salted fish consumption and nasopharyngeal carcinoma: an evidence-based case report. *Acta Medica Indonesiana*. 47(1):72-77
- Pfeifer, G.P., Denissenko, M.F., Olivier, M., Tretyakova, N., Hecht, S.S., Hainaut, P. 2002. Tobacco smoke carcinogens, DNA damage and p53 mutation in smoking-associated cancers. *Oncogene*. 21:7435-7451
- Rendic, S. & Guengerich, F.P. 2012. Contributions of Human Enzymes in Carcinogen Metabolism. *Chem. Res. Toxicol.* 25:1316–1383
- Shen, G., Xu, F., He, F., Ruan, H., Cui, C., Chen, L., *et al.* 2012. Pretreatment lifestyle behaviors as survival predictors for patients with nasopharyngeal carcinoma. *PLoS ONE*. 7(5):e36515
- Sun, X., Tong, L., Wang, Y., Wu, Y., Sheng, H., Lu, L., *et al.* 2011. Can global variation of nasopharynx cancer be retrieved from the combined analyses of IARC Cancer Information (CIN) databases ?. *PLoS ONE*. 6(7):1–9
- Tang, K., Li, X., Xing, Q., Li, W., Feng, G., He, L., *et al.* 2010. Genetic polymorphism analysis of cytochrome P4502E1 (CYP2E1) in Chinese Han populations from four different geographic areas of Mainland China. *Genomics*. 95:224-229
- Thompson, L.D.R. 2007. Update on nasopharyngeal carcinoma. *Head and Neck Pathol.* 181-86. Doi: 10.1007/s12105-007-0012-7

- Tiwawech, D., Srivatanakul, P., Karalak, A., Ishida, T. 2005. Glutathione S-transferase M1 gene polymorphism in thai nasopharyngeal carcinoma. *Asian Pac. J. Cancer Prev.* 6:270–275
- Tiwawech, D., Srivatanakul, P., Karalak, A., Ishida, T. 2006. Cytochrome P450 2A6 polymorphism in nasopharyngeal carcinoma. *Cancer Letters.* 241:135–141
- Tsao, S.W., Yip, Y.L., Tsang, C.M., Pang, P.S., Lau, V.M.Y., Zhang, G., *et al.* 2014. Etiological factors of nasopharyngeal carcinoma. *Oral Oncol.* 50:330–338
- US Department of Health and Human Services. 2010. *How tobacco smoke causes disease: the biology and behavioral basis for smoking-attributable disease: a report of the surgeon general.* U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office of Smoking and Health, Atlanta, GA
- Van Tornout, J.M., Spruck, C.H., Ishibata, A., Schmutte, C., Gonzalez-Zulueta, M., Nichols, P.W., *et al.* 1997. Presence of p53 mutations in primary nasopharyngeal carcinoma (NPC) in non-Asians of Los Angeles, California, a low-risk population for NPC. *Cancer Epidemiol. Biomarker Prev.* 6:493–497
- Visuvanathan, S., Chong, P., Yap, Y., Lim, C., Tan, M., Lye, M. 2014. Distribution and haplotype associations of XPD Lys751Gln, with nasopharyngeal carcinoma in the malaysian population. *Asian Pac. J. Cancer Prev.* 15(6):2747–2751
- Wang, J. & Li, M.D. 2010. Common and unique biological pathways associated with smoking initiation/progression, nicotine dependence, and smoking cessation. *Neuropsychopharmacology.* 35:702-719
- Wang, J., Jiang, Y., Wei, W., Yang, G., Qiao, Y., Bofetta, P. 2010. Estimation of cancer incidence and mortality attributable to smoking in China. *Cancer Causes Control.* 21:959-965. Doi:10.1007/s10552-010-9523-8
- WHO-IARC. 2012. Globocan 2012 : estimated cancer incidence, mortality and prevalence worldwide in 2012. Available at : http://globocan.iarc.fr/Pages/fact_sheets_population.aspx
- Wildeman, M.A., Fles, R., Herdini, C., Indrasari, R.S., Vincent, A.D., Tjokronagoro, M., *et al.* 2013. Primary treatment results of nasopharyngeal carcinoma (NPC) in Yogyakarta, Indonesia. *PLoS ONE.* 8(5):e63706
- Xiao, M., Zhang, L., Zhu, X., Huang, J., Jiang, H., Hu, S., *et al.* 2010. Genetic polymorphisms of MDM2 and TP53 genes are associated with risk of nasopharyngeal carcinoma in a chinese population. *BMC Cancer.* 10(147):1–7

- Xu, L., Yang, M., Zhao, T., Jin, H., Xu, Z., Li, M., et al. 2014. The polymorphism of CYP2E1 RsaI/PstI gene and susceptibility to respiratory system cancer: a systematic review and meta-analysis of 34 studies. *Medicine*. 93(27)
- 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. Doi :10.1093/aja/kws479
- Xue, J., Yang, S., Seng, S. 2014. Mechanisms of cancer induction by tobacco-specific NNK and NNN. *Cancers*. 6:1138-1156. Doi:10.3390/cancers6021138
- Yang, J., Li, L., Yin, X., Wu, F., Shen, J., Peng, Y., et al. 2015. The association between gene polymorphisms and risk of nasopharyngeal carcinoma. *Med. Oncol.* 32:398. Doi : 10.1007/s12032-014-0398-5
- Yang, X., Diehl, S., Pfeifer, R., Chen, C., Hsu, W., Dosemeci, M., et al. 2005. Evaluation of risk factor for nasopharyngeal carcinoma in high-risk nasopharyngeal carcinoma families in Taiwan. *Cancer Epidemiol. Biomarkers Prev.* 14(4):900-905
- Ye, S., Dhillon, S., Ke, X., Collins, A.R., Day, I.N.M. 2001. An efficient procedure for genotyping single nucleotide polymorphisms. *Nucl. Acid Res.* 29(17):e88
- Yew, P.Y. 2012. *Genetic polimorphisms associated with nasopharyngeal carcinoma susceptibility in Malaysian Chinese* [Disertasi]. Faculty of Science, University of Malaya, Kuala Lumpur
- Zhao, M., Cai, H., Li, X., Zheng, H., Yang, X, Fang, W., et al. 2012. Further evidence for the existence of major susceptibility of nasopharyngeal carcinoma in the region near HLA-A locus in Southern Chinese. *J. Translational Medicine.* 10:57
- Zhang, L., Li, Y., Xie, S., Ling, W., Chen, S., Liu, Q., et al. 2015. Incidence trend of nasopharyngeal carcinoma from 1987 to 2011 in Sihui County, Guangdong Province, South China: an age-period-cohort analysis. *Chinese J. of Cancer.* 34:15. Doi : 10.1186/s40880-015-0018-6
- Zhang, X., Chen, X., Zhai, Y., Cui, Y., Cao, P., Zhang, H., et al. 2014. Combined effects of genetic variants of the PTEN, AKT1, MDM2 and p53 genes on the risk of nasopharyngeal carcinoma. *PLoS ONE.* 9(3):e92135