

- Abdel-Hamid M, Chen JJ, Constantine N, Massoud M and Raab-Traub N (1992). EBV strain variation: geographical distribution and relation to disease state. *Virology*, **190**, 168-75.
- Abdel-Rahman SZ, Soliman AS, Bondy ML, Omar S, El-Badawy SA, Khaled HM, Seifeldin IA and Levin B (2000). Inheritance of the 194Trp and the 399Gln variant alleles of the DNA repair gene XRCC1 are associated with increased risk of early-onset colorectal carcinoma in Egypt. *Cancer Lett*, **159**, 79-86.
- Abdulamir AS, Hafidh RR, Abdalmuhaimen N, Abubakar F and Abbas KA (2008). The distinctive profile of risk factors of nasopharyngeal carcinoma in comparison with other head and neck cancer types. *BMC Public Health*, **8**, 400.
- Altmann M and Hammerschmidt W (2005). Epstein-Barr virus provides a new paradigm: a requirement for the immediate inhibition of apoptosis. *PLoS Biol*, **3**, e404.
- Amtha R, Razak IA, Basuki B, Roeslan BO, Gautama W, Puwanto DJ, Ghani WM and Zain RB (2014). Tobacco (kretek) smoking, betel quid chewing and risk of oral cancer in a selected Jakarta population. *Asian Pac J Cancer Prev*, **15**, 8673-8.
- Anand P, Kunnumakkara AB, Sundaram C, Harikumar KB, Tharakan ST, Lai OS, Sung B and Aggarwal BB (2008). Cancer is a preventable disease that requires major lifestyle changes. *Pharm Res*, **25**, 2097-116.
- Anantharaman D, Chaubal PM, Kannan S, Bhisey RA and Mahimkar MB (2007). Susceptibility to oral cancer by genetic polymorphisms at CYP1A1, GSTM1 and GSTT1 loci among Indians: tobacco exposure as a risk modulator. *Carcinogenesis*, **28**, 1455-62.
- Anderson S, Bankier AT, Barrell BG, de Bruijn MH, Coulson AR, Drouin J, Eperon IC, Nierlich DP, Roe BA, Sanger F, Schreier PH, Smith AJ, Staden R and Young IG (1981). Sequence and organization of the human mitochondrial genome. *Nature*, **290**, 457-65.
- Androutsopoulos VP, Tsatsakis AM and Spandidos DA (2009). Cytochrome P450 CYP1A1: wider roles in cancer progression and prevention. *BMC Cancer*, **9**, 187.

- Armstrong RW, Armstrong MJ, Yu MC and Henderson BE (1983). Salted fish and inhalants as risk factors for nasopharyngeal carcinoma in Malaysian Chinese. *Cancer Res*, **43**, 2967-70.
- Armstrong RW, Imrey PB, Lye MS, Armstrong MJ, Yu MC and Sani S (1998). Nasopharyngeal carcinoma in Malaysian Chinese: salted fish and other dietary exposures. *Int J Cancer*, **77**, 228-35.
- Armstrong RW, Imrey PB, Lye MS, Armstrong MJ, Yu MC and Sani S (2000). Nasopharyngeal carcinoma in Malaysian Chinese: occupational exposures to particles, formaldehyde and heat. *Int J Epidemiol*, **29**, 991-8.
- Baer R, Bankier AT, Biggin MD, Deininger PL, Farrell PJ, Gibson TJ, Hatfull G, Hudson GS, Satchwell SC, Seguin C and et al. (1984). DNA sequence and expression of the B95-8 Epstein-Barr virus genome. *Nature*, **310**, 207-11.
- Bai RK, Chang J, Yeh KT, Lou MA, Lu JF, Tan DJ, Liu H and Wong LJ (2011). Mitochondrial DNA content varies with pathological characteristics of breast cancer. *J Oncol*, 2011, 496189.
- Baumforth KR, Young LS, Flavell KJ, Constandinou C and Murray PG (1999). The Epstein-Barr virus and its association with human cancers. *Mol Pathol*, **52**, 307-22.
- Bei JX, Jia WH and Zeng YX (2012). Familial and large-scale case-control studies identify genes associated with nasopharyngeal carcinoma. *Semin Cancer Biol*, **22**, 96-106.
- Bei JX, Li Y, Jia WH, Feng BJ, Zhou G, Chen LZ, Feng QS, Low HQ, Zhang H, He F, Tai ES, Kang T, Liu ET, Liu J and Zeng YX (2010). A genome-wide association study of nasopharyngeal carcinoma identifies three new susceptibility loci. *Nat Genet*, **42**, 599-603.
- Bendjemana K, Abdennabi M, Gara S, Jmal A, Ghanem A, Touati S, Boussen H, Ladgham A and Guemira F (2006). [Genetic polymorphism of glutathione-S transferases and N-acetyl transferases 2 and nasopharyngeal carcinoma: the Tunisia experience]. *Bull Cancer*, **93**, 297-302.
- Berwick M and Vineis P (2000). Markers of DNA repair and susceptibility to cancer in humans: an epidemiologic review. *J Natl Cancer Inst*, **92**, 874-97.

Berndt SI, Skibola CF, Joseph V, Camp NJ, Nieters A, Wang Z, Cozen W, Monnereau A, Wang SS, Kelly RS, Lan Q, Teras LR, Chatterjee N, Chung CC, Yeager M, Brooks-Wilson AR, Hartge P, Purdue MP, Birmann BM, Armstrong BK, Cocco P, Zhang Y, Severi G, Zeleniuch-Jacquotte A, Lawrence C, Burdette L, Yuenger J, Hutchinson A, Jacobs KB, Call TG, Shanafelt TD, Novak AJ, Kay NE, Liebow M, Wang AH, Smedby KE, Adami HO, Melbye M, Glimelius B, Chang ET, Glenn M, Curtin K, Cannon-Albright LA, Jones B, Diver WR, Link BK, Weiner GJ, Conde L, Bracci PM, Riby J, Holly EA, Smith MT, Jackson RD, Tinker LF, Benavente Y, Becker N, Boffetta P, Brennan P, Foretova L, Maynadie M, McKay J, Staines A, Rabe KG, Achenbach SJ, Vachon CM, Goldin LR, Strom SS, Lanasa MC, Spector LG, Leis JF, Cunningham JM, Weinberg JB, Morrison VA, Caporaso NE, Norman AD, Linet MS, De Roos AJ, Morton LM, Severson RK, Riboli E, Vineis P, Kaaks R, Trichopoulos D, Masala G, Weiderpass E, Chirlaque MD, Vermeulen RC, Travis RC, Giles GG, Albanes D, Virtamo J, Weinstein S, Clavel J, Zheng T, Holford TR, Offit K, Zelenetz A, Klein RJ, Spinelli JJ, Bertrand KA, Laden F, Giovannucci E, Kraft P, Kricker A, Turner J, Vajdic CM, Ennas MG, Ferri GM, Miligi L, Liang L, Sampson J, Crouch S, Park JH, North KE, Cox A, Snowden JA, Wright J, Carracedo A, Lopez-Otin C, Bea S, Salaverria I, Martin-Garcia D, Campo E, Fraumeni JF, Jr., de Sanjose S, Hjalgrim H, Cerhan JR, Chanock SJ, Rothman N and Slager SL (2013). Genome-wide association study identifies multiple risk loci for chronic lymphocytic leukemia. *Nat Genet*, **45**, 868-76.

Berwick M and Vineis P (2000). Markers of DNA repair and susceptibility to cancer in humans: an epidemiologic review. *J Natl Cancer Inst*, **92**, 874-97.

Birt DF (1986). Update on the effects of vitamins A, C, and E and selenium on carcinogenesis. *Proc Soc Exp Biol Med*, **183**, 311-20.

Blot WJ (1992). Alcohol and cancer. *Cancer Res*, **52**, 2119s-23s.

Boffetta P, Aagnes B, Weiderpass E and Andersen A (2005). Smokeless tobacco use and risk of cancer of the pancreas and other organs. *Int J Cancer*, **114**, 992-5.

Boffetta P, Hecht S, Gray N, Gupta P and Straif K (2008). Smokeless tobacco and cancer. *Lancet Oncol*, **9**, 667-75.

- Bouvier G, Poirier S, Shao YM, Malaveille C, Ohshima H, Polack A, Bornkamm GW, Zeng Y, de-The G and Bartsch H (1991). Epstein-Barr virus activators, mutagens and volatile nitrosamines in preserved food samples from high-risk areas for nasopharyngeal carcinoma. *IARC Sci Publ*, 204-9.
- Bogger-Goren S, Gotlieb-Stematsky T, Rachima M, Barkowsky E and Schlomo-David J (1987). Nasopharyngeal carcinoma in Israel: epidemiology and Epstein-Barr virus-related serology. *Eur J Cancer Clin Oncol*, **23**, 1277-81.
- Bonner MR, Shen M, Liu CS, Divita M, He X and Lan Q (2009). Mitochondrial DNA content and lung cancer risk in Xuan Wei, China. *Lung Cancer*, **63**, 331-4.
- Brady G, MacArthur GJ and Farrell PJ (2007). Epstein-Barr virus and Burkitt lymphoma. *J Clin Pathol*, **60**, 1397-402.
- Brunnemann KD, Scott JC and Hoffmann D (1982). N-Nitrosomorpholine and other volatile N-nitrosamines in snuff tobacco. *Carcinogenesis*, **3**, 693-6.
- Burdon KP, Macgregor S, Hewitt AW, Sharma S, Chidlow G, Mills RA, Danoy P, Casson R, Viswanathan AC, Liu JZ, Landers J, Henders AK, Wood J, Souzeau E, Crawford A, Leo P, Wang JJ, Rochtchina E, Nyholt DR, Martin NG, Montgomery GW, Mitchell P, Brown MA, Mackey DA and Craig JE (2011). Genome-wide association study identifies susceptibility loci for open angle glaucoma at TMCO1 and CDKN2B-AS1. *Nat Genet*, **43**, 574-8.
- Cai YL, Li J, Lu AY, Zheng YM, Zhong WM, Wang W, Gao JQ, Zeng H, Cheng JR and Tang MZ (2014). Diagnostic significance of combined detection of Epstein-Barr virus antibodies, VCA/IgA, EA/IgA, Rta/IgG and EBNA1/IgA for nasopharyngeal carcinoma. *Asian Pac J Cancer Prev*, **15**, 2001-6.
- Cao Y, Miao XP, Huang MY, Deng L, Hu LF, Ernberg I, Zeng YX, Lin DX and Shao JY (2006). Polymorphisms of XRCC1 genes and risk of nasopharyngeal carcinoma in the Cantonese population. *BMC Cancer*, **6**, 167.
- Cevenini R, Donati M, Caliceti U, Moroni A, Tamba I and Rumpianesi F (1986). Evaluation of antibodies to Epstein-Barr virus in Italian patients with nasopharyngeal carcinoma. *J Infect*, **12**, 127-31.
- Chan KC and Lo YM (2002). Circulating EBV DNA as a tumor marker for nasopharyngeal carcinoma. *Semin Cancer Biol*, **12**, 489-96.

- Chang CM, Yu KJ, Mbulaiteye SM, Hildesheim A and Bhatia K (2009). The extent of genetic diversity of Epstein-Barr virus and its geographic and disease patterns: a need for reappraisal. *Virus Res*, **143**, 209-21.
- Chang ET and Adami HO (2006). The enigmatic epidemiology of nasopharyngeal carcinoma. *Cancer Epidemiol Biomarkers Prev*, **15**, 1765-77.
- Chang SC, Lin PC, Yang SH, Wang HS, Liang WY and Lin JK (2009). Mitochondrial D-loop mutation is a common event in colorectal cancers with p53 mutations. *Int J Colorectal Dis*, **24**, 623-8.
- Chelleng PK, Narain K, Das HK, Chetia M and Mahanta J (2000). Risk factors for cancer nasopharynx: a case-control study from Nagaland, India. *Natl Med J India*, **13**, 6-8.
- Chen CJ, Liang KY, Chang YS, Wang YF, Hsieh T, Hsu MM, Chen JY and Liu MY (1990). Multiple risk factors of nasopharyngeal carcinoma: Epstein-Barr virus, malarial infection, cigarette smoking and familial tendency. *Anticancer Res*, **10**, 547-53.
- Chen DL and Huang TB (1997). A case-control study of risk factors of nasopharyngeal carcinoma. *Cancer Lett*, **117**, 17-22.
- Chen JY, Chen CJ, Liu MY, Cho SM, Hsu MM, Lynn TC, Shieh T, Tu SM, Beasley RP, Hwang LY and et al. (1989). Antibody to Epstein-Barr virus-specific DNase as a marker for field survey of patients with nasopharyngeal carcinoma in Taiwan. *J Med Virol*, **27**, 269-73.
- Chen JY, Chen CJ, Liu MY, Cho SM, Hsu MM, Lynn TC, Shieh T, Tu SM, Lee HH, Kuo SL and et al. (1987). Antibodies to Epstein-Barr virus-specific DNase in patients with nasopharyngeal carcinoma and control groups. *J Med Virol*, **23**, 11-21.
- Chen L, Gallicchio L, Boyd-Lindsley K, Tao XG, Robinson KA, Lam TK, Herman JG, Caulfield LE, Guallar E and Alberg AJ (2009). Alcohol consumption and the risk of nasopharyngeal carcinoma: a systematic review. *Nutr Cancer*, **61**, 1-15.
- Chen ML, Tsai CN, Liang CL, Shu CH, Huang CR, Sulitzeanu D, Liu ST and Chang YS (1992). Cloning and characterization of the latent membrane protein (LMP) of a specific Epstein-Barr virus variant derived from the nasopharyngeal carcinoma in the Taiwanese population. *Oncogene*, **7**, 2131-40.

- Cheng YC, Chen JY, Glaser R and Henle W (1980). Frequency and levels of antibodies to Epstein-Barr virus-specific DNase are elevated in patients with nasopharyngeal carcinoma. *Proc Natl Acad Sci U S A*, **77**, 6162-5.
- Cheng YJ, Chien YC, Hildesheim A, Hsu MM, Chen IH, Chuang J, Chang J, Ma YD, Luo CT, Hsu WL, Hsu HH, Huang H, Chang JF, Chen CJ and Yang CS (2003). No association between genetic polymorphisms of CYP1A1, GSTM1, GSTT1, GSTP1, NAT2, and nasopharyngeal carcinoma in Taiwan. *Cancer Epidemiol Biomarkers Prev*, **12**, 179-80.
- Cheung ST, Leung SF, Lo KW, Chiu KW, Tam JS, Fok TF, Johnson PJ, Lee JC and Huang DP (1998). Specific latent membrane protein 1 gene sequences in type 1 and type 2 Epstein-Barr virus from nasopharyngeal carcinoma in Hong Kong. *Int J Cancer*, **76**, 399-406.
- Chiang AC and Massague J (2008). Molecular basis of metastasis. *N Engl J Med*, **359**, 2814-23.
- Chinnery PF and Samuels DC (1999). Relaxed replication of mtDNA: A model with implications for the expression of disease. *Am J Hum Genet*, **64**, 1158-65.
- Cho EY, Hildesheim A, Chen CJ, Hsu MM, Chen IH, Mittl BF, Levine PH, Liu MY, Chen JY, Brinton LA, Cheng YJ and Yang CS (2003). Nasopharyngeal carcinoma and genetic polymorphisms of DNA repair enzymes XRCC1 and hOGG1. *Cancer Epidemiol Biomarkers Prev*, **12**, 1100-4.
- Choudhury JH, Choudhury B, Kundu S and Ghosh SK (2014). Combined effect of tobacco and DNA repair genes polymorphisms of XRCC1 and XRCC2 influence high risk of head and neck squamous cell carcinoma in northeast Indian population. *Med Oncol*, **31**, 67.
- Choudhury JH and Ghosh SK (2014). Gene-environment interaction and susceptibility in head and neck cancer patients and in their first-degree relatives: a study of Northeast Indian population. *J Oral Pathol Med*.
- Clayton DA (2000). Transcription and replication of mitochondrial DNA. *Hum Reprod*, **15 Suppl 2**, 11-7.
- Clayton DA (2003). Mitochondrial DNA replication: what we know. *IUBMB Life*, **55**, 213-7.

- Clifford P (1972). Carcinogens in the nose and throat: nasopharyngeal carcinoma in Kenya. *Proc R Soc Med*, **65**, 682-6.
- Cogliano VJ, Grosse Y, Baan RA, Straif K, Secretan MB and El Ghissassi F (2005). Meeting report: summary of IARC monographs on formaldehyde, 2-butoxyethanol, and 1-tert-butoxy-2-propanol. *Environ Health Perspect*, **113**, 1205-8.
- Cooper GM. The Cell: A Molecular Approach. 2nd edition. Sunderland (MA): Sinauer Associates; 2000. DNA Repair. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK9900>
- Cordaux R, Saha N, Bentley GR, Aunger R, Sirajuddin SM and Stoneking M (2003). Mitochondrial DNA analysis reveals diverse histories of tribal populations from India. *Eur J Hum Genet*, **11**, 253-64.
- Croce CM (2008). Oncogenes and cancer. *N Engl J Med*, **358**, 502-11.
- Cury NM, Russo A, Galbiatti AL, Ruiz MT, Raposo LS, Maniglia JV, Pavarino EC and Goloni-Bertollo EM (2012). Polymorphisms of the CYP1A1 and CYP2E1 genes in head and neck squamous cell carcinoma risk. *Mol Biol Rep*, **39**, 1055-63.
- Dambaugh T, Hennessy K, Chamnankit L and Kieff E (1984). U2 region of Epstein-Barr virus DNA may encode Epstein-Barr nuclear antigen 2. *Proc Natl Acad Sci U S A*, **81**, 7632-6.
- Dardari R, Khyatti M, Cordeiro P, Odda M, ElGueddari B, Hassar M and Menezes J (2006). High frequency of latent membrane protein-1 30-bp deletion variant with specific single mutations in Epstein-Barr virus-associated nasopharyngeal carcinoma in Moroccan patients. *Int J Cancer*, **118**, 1977-83.
- Dawson CW, Eliopoulos AG, Blake SM, Barker R and Young LS (2000). Identification of functional differences between prototype Epstein-Barr virus-encoded LMP1 and a nasopharyngeal carcinoma-derived LMP1 in human epithelial cells. *Virology*, **272**, 204-17.
- de-The G, Lavoue MF and Muenz L (1978). Differences in EBV antibody titres of patients with nasopharyngeal carcinoma originating from high, intermediate and low incidence areas. *IARC Sci Publ*, 471-81.

- de Martel C, Ferlay J, Franceschi S, Vignat J, Bray F, Forman D and Plummer M (2012). Global burden of cancers attributable to infections in 2008: a review and synthetic analysis. *Lancet Oncol*, **13**, 607-15.
- Deng ZL, Wei YP and Ma Y (2004). [Frequent genetic deletion of detoxifying enzyme GSTM1 and GSTT1 genes in nasopharyngeal carcinoma patients in Guangxi Province, China]. *Zhonghua Zhong Liu Za Zhi*, **26**, 598-600.
- Desgranges C, de-The G, Wolf H and zur Hausen H (1975). Further studies on the detection of the Epstein-Barr virus DNA in nasopharyngeal carcinoma biopsies from different parts of the world. *IARC Sci Publ*, 191-3.
- Dianova, II, Sleeth KM, Allinson SL, Parsons JL, Breslin C, Caldecott KW and Dianov GL (2004). XRCC1-DNA polymerase beta interaction is required for efficient base excision repair. *Nucleic Acids Res*, **32**, 2550-5.
- Dias-Santagata D, Akhavanfard S, David SS, Vernovsky K, Kuhlmann G, Boisvert SL, Stubbs H, McDermott U, Settleman J, Kwak EL, Clark JW, Isakoff SJ, Sequist LV, Engelman JA, Lynch TJ, Haber DA, Louis DN, Ellisen LW, Borger DR and Iafrate AJ (2010). Rapid targeted mutational analysis of human tumours: a clinical platform to guide personalized cancer medicine. *EMBO Mol Med*, **2**, 146-58.
- Diggs DL, Huderson AC, Harris KL, Myers JN, Banks LD, Rekhadevi PV, Niaz MS and Ramesh A (2011). Polycyclic aromatic hydrocarbons and digestive tract cancers: a perspective. *J Environ Sci Health C Environ Carcinog Ecotoxicol Rev*, **29**, 324-57.
- Doll R and Peto R (1981). The causes of cancer: quantitative estimates of avoidable risks of cancer in the United States today. *J Natl Cancer Inst*, **66**, 1191-308.
- Eby MT, Jasmin A, Kumar A, Sharma K and Chaudhary PM (2000). TAJ, a novel member of the tumor necrosis factor receptor family, activates the c-Jun N-terminal kinase pathway and mediates caspase-independent cell death. *J Biol Chem*, **275**, 15336-42.
- Edwards RH, Seillier-Moiseiwitsch F and Raab-Traub N (1999). Signature amino acid changes in latent membrane protein 1 distinguish Epstein-Barr virus strains. *Virology*, **261**, 79-95.

- Egan K, Kusao I, Troelstrup D, Agsalsa M and Shiramizu B (2010). Mitochondrial DNA in residual leukemia cells in cerebrospinal fluid in children with acute lymphoblastic leukemia. *J Clin Med Res*, **2**, 225-9.
- Ekburanawat W, Ekpanyaskul C, Brennan P, Kanka C, Tepsuwan K, Temiyastith S, Klinvimon T, Pongnikorn S and Sangrajrang S (2010). Evaluation of non-viral risk factors for nasopharyngeal carcinoma in Thailand: results from a case-control study. *Asian Pac J Cancer Prev*, **11**, 929-32.
- Ellinger J, Albers P, Muller SC, von Ruecker A and Bastian PJ (2009). Circulating mitochondrial DNA in the serum of patients with testicular germ cell cancer as a novel noninvasive diagnostic biomarker. *BJU Int*, **104**, 48-52.
- Eliopoulos AG, Blake SM, Floettmann JE, Rowe M and Young LS (1999). Epstein-Barr virus-encoded latent membrane protein 1 activates the JNK pathway through its extreme C terminus via a mechanism involving TRADD and TRAF2. *J Virol*, **73**, 1023-35.
- Eliopoulos AG and Young LS (2001). LMP1 structure and signal transduction. *Semin Cancer Biol*, **11**, 435-44.
- Epstein MA, Achong BG and Barr YM (1964). Virus Particles in Cultured Lymphoblasts from Burkitt's Lymphoma. *Lancet*, **1**, 702-3.
- Fachiroh J, Sangrajrang S, Johansson M, Renard H, Gaborieau V, Chabrier A, Chindavijak S, Brennan P and McKay JD (2012). Tobacco consumption and genetic susceptibility to nasopharyngeal carcinoma (NPC) in Thailand. *Cancer Causes Control*, **23**, 1995-2002.
- Fahraeus R, Fu HL, Ernberg I, Finke J, Rowe M, Klein G, Falk K, Nilsson E, Yadav M, Busson P and et al. (1988). Expression of Epstein-Barr virus-encoded proteins in nasopharyngeal carcinoma. *Int J Cancer*, **42**, 329-38.
- Fan AX, Radpour R, Haghghi MM, Kohler C, Xia P, Hahn S, Holzgreve W and Zhong XY (2009). Mitochondrial DNA content in paired normal and cancerous breast tissue samples from patients with breast cancer. *J Cancer Res Clin Oncol*, **135**, 983-9.
- Fang CY, Huang SY, Wu CC, Hsu HY, Chou SP, Tsai CH, Chang Y, Takada K and Chen JY (2012). The synergistic effect of chemical carcinogens enhances

- Epstein-Barr virus reactivation and tumor progression of nasopharyngeal carcinoma cells. *PLoS One*, **7**, e44810.
- Farrow DC, Vaughan TL, Berwick M, Lynch CF, Swanson GM and Lyon JL (1998). Diet and nasopharyngeal cancer in a low-risk population. *Int J Cancer*, **78**, 675-9.
- Feng BJ, Jalbout M, Ayoub WB, Khyatti M, Dahmoul S, Ayad M, Maachi F, Bedadra W, Abdoun M, Mesli S, Hamdi-Cherif M, Boualga K, Bouaouina N, Chouchane L, Benider A, Ben Ayed F, Goldgar D and Corbex M (2007). Dietary risk factors for nasopharyngeal carcinoma in Maghrebian countries. *Int J Cancer*, **121**, 1550-5.
- Feng BJ, Khyatti M, Ben-Ayoub W, Dahmoul S, Ayad M, Maachi F, Bedadra W, Abdoun M, Mesli S, Bakkali H, Jalbout M, Hamdi-Cherif M, Boualga K, Bouaouina N, Chouchane L, Benider A, Ben-Ayed F, Goldgar DE and Corbex M (2009). Cannabis, tobacco and domestic fumes intake are associated with nasopharyngeal carcinoma in North Africa. *Br J Cancer*, **101**, 1207-12.
- Ferlay J, Curado MP, Edwards B, et al (2007). Cancer incidence in five continents, VOL. IX, IARC Scientific publications No. 160, Lyon, IARC.
- Ferlay J, Shin HR, Bray F, Forman D, Mathers C and Parkin DM (2010). Estimates of worldwide burden of cancer in 2008: GLOBOCAN 2008. *Int J Cancer*, **127**, 2893-917.
- Ferlay J, Soerjomataram I, Ervik M, et al. GLOBOCAN 2012 v1.0, Cancer Incidence and Mortality Worldwide: IARC Cancer Base No.11. Lyon: International Agency for Research on Cancer; 2013 [2013-12-12, 2014-01-18]. Available at: <http://globocan.iarc.fr>
- Flores-Obando RE, Gollin SM and Ragin CC (2010). Polymorphisms in DNA damage response genes and head and neck cancer risk. *Biomarkers*, **15**, 379-99.
- Furukawa M, Komori T, Ishiguro H and Umeda R (1986). Epstein-Barr virus early antigen induction in nasopharyngeal hybrid cells by Chinese medicinal herbs. *Auris Nasus Larynx*, **13**, 101-5.
- Gatenby RA, Gawlinski ET, Gmitro AF, Kaylor B and Gillies RJ (2006). Acid-mediated tumor invasion: a multidisciplinary study. *Cancer Res*, **66**, 5216-23.

- Gatenby RA and Gillies RJ (2004). Why do cancers have high aerobic glycolysis? *Nat Rev Cancer*, **4**, 891-9.
- Geser A, Charnay N, Day NE, de-The G and Ho HC (1978). Environmental factors in the etiology of nasopharyngeal carcinoma: report on a case-control study in Hong Kong. *IARC Sci Publ*, 213-29.
- Ghosh SK and Mondal R (2012). Quick diagnosis of female genital tuberculosis using multiplex fast polymerase chain reaction in Southern Assam, India. *Int J Gynaecol Obstet*, **118**, 72-3.
- Gruss HJ and Dower SK (1995). Tumor necrosis factor ligand superfamily: involvement in the pathology of malignant lymphomas. *Blood*, **85**, 3378-404.
- Gullo C, Low WK and Teoh G (2008). Association of Epstein-Barr virus with nasopharyngeal carcinoma and current status of development of cancer-derived cell lines. *Ann Acad Med Singapore*, **37**, 769-77.
- Guo J, Zheng L, Liu W, Wang X, Wang Z, French AJ, Kang D, Chen L and Thibodeau SN (2011). Frequent truncating mutation of TFAM induces mitochondrial DNA depletion and apoptotic resistance in microsatellite-unstable colorectal cancer. *Cancer Res*, **71**, 2978-87.
- Guo X, Johnson RC, Deng H, Liao J, Guan L, Nelson GW, Tang M, Zheng Y, de The G, O'Brien SJ, Winkler CA and Zeng Y (2009). Evaluation of nonviral risk factors for nasopharyngeal carcinoma in a high-risk population of Southern China. *Int J Cancer*, **124**, 2942-7.
- Guo X, O'Brien SJ, Zeng Y, Nelson GW and Winkler CA (2008). GSTM1 and GSTT1 gene deletions and the risk for nasopharyngeal carcinoma in Han Chinese. *Cancer Epidemiol Biomarkers Prev*, **17**, 1760-3.
- Guo X, Zeng Y, Deng H, Liao J, Zheng Y, Li J, Kessing B and O'Brien SJ (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.
- Hadar T, Rahima M, Kahan E, Sidi J, Rakowsky E, Sarov B and Sarov I (1986). Significance of specific Epstein-Barr virus IgA and elevated IgG antibodies to viral capsid antigens in nasopharyngeal carcinoma patients. *J Med Virol*, **20**, 329-39.

- Hanahan D and Weinberg RA (2000). The hallmarks of cancer. *Cell*, **100**, 57-70.
- Hassen E, Farhat K, Gabbouj S, Bouaouina N, Abdelaziz H and Chouchane L (2011). Epstein-Barr virus DNA quantification and follow-up in Tunisian nasopharyngeal carcinoma patients. *Biomarkers*, **16**, 274-80.
- Hayes RB (1997). The carcinogenicity of metals in humans. *Cancer Causes Control*, **8**, 371-85.
- Henderson S, Huen D, Rowe M, Dawson C, Johnson G and Rickinson A (1993). Epstein-Barr virus-coded BHRF1 protein, a viral homologue of Bcl-2, protects human B cells from programmed cell death. *Proc Natl Acad Sci U S A*, **90**, 8479-83.
- Henle W, Henle G, Ho HC, Burtin P, Cachin Y, Clifford P, de Schryver A, de-The G, Diehl V and Klein G (1970). Antibodies to Epstein-Barr virus in nasopharyngeal carcinoma, other head and neck neoplasms, and control groups. *J Natl Cancer Inst*, **44**, 225-31.
- Hickish T, Robertson D, Clarke P, Hill M, di Stefano F, Clarke C and Cunningham D (1994). Ultrastructural localization of BHRF1: an Epstein-Barr virus gene product which has homology with bcl-2. *Cancer Res*, **54**, 2808-11.
- Higuchi M, Kieff E and Izumi KM (2002). The Epstein-Barr virus latent membrane protein 1 putative Janus kinase 3 (JAK3) binding domain does not mediate JAK3 association or activation in B-lymphoma or lymphoblastoid cell lines. *J Virol*, **76**, 455-9.
- Hildesheim A, Anderson LM, Chen CJ, Cheng YJ, Brinton LA, Daly AK, Reed CD, Chen IH, Caporaso NE, Hsu MM, Chen JY, Idle JR, Hoover RN, Yang CS and Chhabra SK (1997). CYP2E1 genetic polymorphisms and risk of nasopharyngeal carcinoma in Taiwan. *J Natl Cancer Inst*, **89**, 1207-12.
- Hildesheim A, Apple RJ, Chen CJ, Wang SS, Cheng YJ, Klitz W, Mack SJ, Chen IH, Hsu MM, Yang CS, Brinton LA, Levine PH and Erlich HA (2002). Association of HLA class I and II alleles and extended haplotypes with nasopharyngeal carcinoma in Taiwan. *J Natl Cancer Inst*, **94**, 1780-9.
- Hildesheim A, Chen CJ, Caporaso NE, Cheng YJ, Hoover RN, Hsu MM, Levine PH, Chen IH, Chen JY, Yang CS and et al. (1995). Cytochrome P4502E1 genetic

- polymorphisms and risk of nasopharyngeal carcinoma: results from a case-control study conducted in Taiwan. *Cancer Epidemiol Biomarkers Prev*, **4**, 607-10.
- Hildesheim A, West S, DeVeyra E, De Guzman MF, Jurado A, Jones C, Imai J and Hinuma Y (1992). Herbal medicine use, Epstein-Barr virus, and risk of nasopharyngeal carcinoma. *Cancer Res*, **52**, 3048-51.
- Ho JH (1972). Nasopharyngeal carcinoma (NPC). *Adv Cancer Res*, **15**, 57-92.
- Hoppeler H, Vogt M, Weibel ER and Fluck M (2003). Response of skeletal muscle mitochondria to hypoxia. *Exp Physiol*, **88**, 109-19.
- Hosgood HD, 3rd, Liu CS, Rothman N, Weinstein SJ, Bonner MR, Shen M, Lim U, Virtamo J, Cheng WL, Albanes D and Lan Q (2010). Mitochondrial DNA copy number and lung cancer risk in a prospective cohort study. *Carcinogenesis*, **31**, 847-9.
- Hsu CW, Yin PH, Lee HC, Chi CW and Tseng LM (2010). Mitochondrial DNA content as a potential marker to predict response to anthracycline in breast cancer patients. *Breast J*, **16**, 264-70.
- Hsu WL, Chen JY, Chien YC, Liu MY, You SL, Hsu MM, Yang CS and Chen CJ (2009). 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**, 1218-26.
- Hsu WL, Tse KP, Liang S, Chien YC, Su WH, Yu KJ, Cheng YJ, Tsang NM, Hsu MM, Chang KP, Chen IH, Chen TI, Yang CS, Goldstein AM, Chen CJ, Chang YS and Hildesheim A (2012). Evaluation of human leukocyte antigen-A (HLA-A), other non-HLA markers on chromosome 6p21 and risk of nasopharyngeal carcinoma. *PLoS One*, **7**, e42767.
- Hu LF, Chen F, Zheng X, Ernberg I, Cao SL, Christensson B, Klein G and Winberg G (1993). Clonability and tumorigenicity of human epithelial cells expressing the EBV encoded membrane protein LMP1. *Oncogene*, **8**, 1575-83.
- Hu LF, Minarovits J, Cao SL, Contreras-Salazar B, Rymo L, Falk K, Klein G and Ernberg I (1991a). Variable expression of latent membrane protein in nasopharyngeal carcinoma can be related to methylation status of the Epstein-Barr virus BNLF-1 5'-flanking region. *J Virol*, **65**, 1558-67.

- Hu LF, Zabarovsky ER, Chen F, Cao SL, Ernberg I, Klein G and Winberg G (1991b). Isolation and sequencing of the Epstein-Barr virus BNLF-1 gene (LMP1) from a Chinese nasopharyngeal carcinoma. *J Gen Virol*, **72** (Pt 10), 2399-409.
- Hu S, Tamada K, Ni J, Vincenz C and Chen L (1999). Characterization of TNFRSF19, a novel member of the tumor necrosis factor receptor superfamily. *Genomics*, **62**, 103-7.
- Huang DP, Ho JH, Saw D and Teoh TB (1978). Carcinoma of the nasal and paranasal regions in rats fed Cantonese salted marine fish. *IARC Sci Publ*, 315-28.
- Huang GL, Guo HQ, Yu CY, Liu XY, Li BB, Wu JJ and He ZW (2011). XRCC1 polymorphisms and risk of nasopharyngeal carcinoma: a meta-analysis. *Asian Pac J Cancer Prev*, **12**, 2329-33.
- Hung HC, Huang MC, Lee JM, Wu DC, Hsu HK and Wu MT (2004). Association between diet and esophageal cancer in Taiwan. *J Gastroenterol Hepatol*, **19**, 632-7.
- Hughes JM and Weill H (1991). Asbestosis as a precursor of asbestos related lung cancer: results of a prospective mortality study. *Br J Ind Med*, **48**, 229-33.
- Huang M, Dinney CP, Lin X, Lin J, Grossman HB and Wu X (2007). High-order interactions among genetic variants in DNA base excision repair pathway genes and smoking in bladder cancer susceptibility. *Cancer Epidemiol Biomarkers Prev*, **16**, 84-91.
- Iacobucci I, Sazzini M, Garagnani P, Ferrari A, Boattini A, Lonetti A, Papayannidis C, Mantovani V, Marasco E, Ottaviani E, Soverini S, Girelli D, Luiselli D, Vignetti M, Baccarani M and Martinelli G (2011). A polymorphism in the chromosome 9p21 ANRIL locus is associated to Philadelphia positive acute lymphoblastic leukemia. *Leuk Res*, **35**, 1052-9.
- IARC (1997). Silica, Some Silicates, Coal Dust and Para- Aramid Fibrils, IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Vol 68. IARC: Lyon, pp. 41-242.
- IARC (2000). Ionizing Radiation, Part 1: X- and Gamma- Radiation, and Neutrons, IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Vol 75. IARC: Lyon

- IARC (2004) Tobacco smoke and involuntary smoking, IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Vol 83. IARC: Lyon, pp 51-45.
- International Agency for Research on Cancer. Epstein-Barr virus and Kaposi's sarcoma herpes virus/human herpes virus 8. IARC Monographs on the evaluation of carcinogenic risks to humans, Vol. 70. Lyon, France: WHO, 1997
- Jemal A, Bray F, Center MM, Ferlay J, Ward E and Forman D (2011). Global cancer statistics. *CA Cancer J Clin*, **61**, 69-90.
- Jemal A, Siegel R, Ward E, Murray T, Xu J and Thun MJ (2007). Cancer statistics, 2007. *CA Cancer J Clin*, **57**, 43-66.
- Jancova P, Anzenbacher P and Anzenbacherova E (2010). Phase II drug metabolizing enzymes. *Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub*, **154**, 103-16.
- Jenson HB, Baillargeon J, Heard P and Moyer MP (1999). Effects of smokeless tobacco and tumor promoters on cell population growth and apoptosis of B lymphocytes infected with epstein-barr virus types 1 and 2. *Toxicol Appl Pharmacol*, **160**, 171-82.
- Ji X, Zhang W, Xie C, Wang B, Zhang G and Zhou F (2011). Nasopharyngeal carcinoma risk by histologic type in central China: impact of smoking, alcohol and family history. *Int J Cancer*, **129**, 724-32.
- Jia WH, Luo XY, Feng BJ, Ruan HL, Bei JX, Liu WS, Qin HD, Feng QS, Chen LZ, Yao SY and Zeng YX (2010). Traditional Cantonese diet and nasopharyngeal carcinoma risk: a large-scale case-control study in Guangdong, China. *BMC Cancer*, **10**, 446.
- Jia WH, Pan QH, Qin HD, Xu YF, Shen GP, Chen L, Chen LZ, Feng QS, Hong MH, Zeng YX and Shugart YY (2009). A case-control and a family-based association study revealing an association between CYP2E1 polymorphisms and nasopharyngeal carcinoma risk in Cantonese. *Carcinogenesis*, **30**, 2031-6.
- Jia WH and Qin HD (2012). Non-viral environmental risk factors for nasopharyngeal carcinoma: a systematic review. *Semin Cancer Biol*, **22**, 117-26.
- Jiang JH, Jia WH, Chen HK, Feng BJ, Qin HD, Pan ZG, Shen GP, Huang LX, Feng QS, Chen LZ, Lin DX and Zeng YX (2004). Genetic polymorphisms of

- CYP2A13 and its relationship to nasopharyngeal carcinoma in the Cantonese population. *J Transl Med*, **2**, 24.
- Jiang WW, Masayesva B, Zahurak M, Carvalho AL, Rosenbaum E, Mambo E, Zhou S, Minhas K, Benoit N, Westra WH, Alberg A, Sidransky D, Koch W and Califano J (2005). Increased mitochondrial DNA content in saliva associated with head and neck cancer. *Clin Cancer Res*, **11**, 2486-91.
- Jiang WW, Rosenbaum E, Mambo E, Zahurak M, Masayesva B, Carvalho AL, Zhou S, Westra WH, Alberg AJ, Sidransky D, Koch W and Califano JA (2006). Decreased mitochondrial DNA content in posttreatment salivary rinses from head and neck cancer patients. *Clin Cancer Res*, **12**, 1564-9.
- Jiang Y, Li N, Dong P, Zhang N, Sun Y, Han M, Wen J and Chen M (2011). Polymorphisms in GSTM1, GSTTI and GSTP1 and nasopharyngeal cancer in the east of China: a case-control study. *Asian Pac J Cancer Prev*, **12**, 3097-100.
- Jiao L, Hassan MM, Bondy ML, Wolff RA, Evans DB, Abbruzzese JL and Li D (2008). XRCC2 and XRCC3 gene polymorphism and risk of pancreatic cancer. *Am J Gastroenterol*, **103**, 360-7.
- Johnson RD, Liu N and Jasin M (1999). Mammalian XRCC2 promotes the repair of DNA double-strand breaks by homologous recombination. *Nature*, **401**, 397-9.
- Kamangar F, Chow WH, Abnet CC and Dawsey SM (2009). Environmental causes of esophageal cancer. *Gastroenterol Clin North Am*, **38**, 27-57, vii.
- Kamangar F, Dores GM and Anderson WF (2006). Patterns of cancer incidence, mortality, and prevalence across five continents: defining priorities to reduce cancer disparities in different geographic regions of the world. *J Clin Oncol*, **24**, 2137-50.
- Kang S, Ma Y, Liu C, Cao C, Hanbateer, Qi J, Li J and Wu X (2015). Association of XRCC1 gene polymorphisms with risk of non-small cell lung cancer. *Int J Clin Exp Pathol*, **8**, 4171-6.
- Kataki AC, Simons MJ, Das AK, Sharma K and Mehra NK (2011). Nasopharyngeal carcinoma in the Northeastern states of India. *Chin J Cancer*, **30**, 106-13.
- Kawanishi M, Tada-Oikawa S and Kawanishi S (2002). Epstein-Barr virus BHRF1 functions downstream of Bid cleavage and upstream of mitochondrial

- dysfunction to inhibit TRAIL-induced apoptosis in BJAB cells. *Biochem Biophys Res Commun*, **297**, 682-7.
- Key TJ, Allen NE, Spencer EA and Travis RC (2002). The effect of diet on risk of cancer. *Lancet*, **360**, 861-8.
- Khuri FR, Herbst RS and Fossella FV (2001). Emerging therapies in non-small-cell lung cancer. *Ann Oncol*, **12**, 739-44.
- Kim MM, Clinger JD, Masayesva BG, Ha PK, Zahurak ML, Westra WH and Califano JA (2004). Mitochondrial DNA quantity increases with histopathologic grade in premalignant and malignant head and neck lesions. *Clin Cancer Res*, **10**, 8512-5.
- Kiruthiga PV, Kannan MR, Saraswathi C, Pandian SK and Devi KP (2011). CYP1A1 gene polymorphisms: lack of association with breast cancer susceptibility in the southern region (Madurai) of India. *Asian Pac J Cancer Prev*, **12**, 2133-8.
- Klein G, Giovanella BC, Lindahl T, Fialkow PJ, Singh S and Stehlin JS (1974). Direct evidence for the presence of Epstein-Barr virus DNA and nuclear antigen in malignant epithelial cells from patients with poorly differentiated carcinoma of the nasopharynx. *Proc Natl Acad Sci U S A*, **71**, 4737-41.
- Kondo S, Horikawa T, Takeshita H, Kanegane C, Kasahara Y, Sheen TS, Sato H, Furukawa M and Yoshizaki T (2004). Diagnostic value of serum EBV-DNA quantification and antibody to viral capsid antigen in nasopharyngeal carcinoma patients. *Cancer Sci*, **95**, 508-13.
- Kondoh H, Lleonart ME, Bernard D and Gil J (2007). Protection from oxidative stress by enhanced glycolysis; a possible mechanism of cellular immortalization. *Histol Histopathol*, **22**, 85-90.
- Kongruttanachok N, Sukdikul S, Setavarin S, Kerekhanarong V, Supiyaphun P, Voravud N, Poovorawan Y and Mutirangura A (2001). Cytochrome P450 2E1 polymorphism and nasopharyngeal carcinoma development in Thailand: a correlative study. *BMC Cancer*, **1**, 4.
- Krishna SM, James S, Kattoor J and Balaram P (2004). Serum EBV DNA as a biomarker in primary nasopharyngeal carcinoma of Indian origin. *Jpn J Clin Oncol*, **34**, 307-11.

- Kumar A, Chatopadhyay T, Raziuddin M and Ralhan R (2007). Discovery of deregulation of zinc homeostasis and its associated genes in esophageal squamous cell carcinoma using cDNA microarray. *Int J Cancer*, **120**, 230-42.
- Kumar A, Pant MC, Singh HS and Khandelwal S (2012). Associated risk of XRCC1 and XPD cross talk and life style factors in progression of head and neck cancer in north Indian population. *Mutat Res*, **729**, 24-34.
- Kumar S and Muniyandi M (2015). Tobacco use and oral leukoplakia: cross-sectional study among the Gond tribe in Madhya Pradesh. *Asian Pac J Cancer Prev*, **16**, 1515-8.
- Kumar S, Wairagkar NS and Mahanta J (2001). Demonstration of Epstein-Barr virus antibodies in serum of patients with nasopharyngeal carcinoma. *Indian J Cancer*, **38**, 72-5.
- Kurokawa M, Mitani K, Yamagata T, Takahashi T, Izutsu K, Ogawa S, Moriguchi T, Nishida E, Yazaki Y and Hirai H (2000). The evi-1 oncoprotein inhibits c-Jun N-terminal kinase and prevents stress-induced cell death. *EMBO J*, **19**, 2958-68.
- Kwok CS, Quah TC, Ariffin H, Tay SK and Yeoh AE (2011). Mitochondrial D-loop polymorphisms and mitochondrial DNA content in childhood acute lymphoblastic leukemia. *J Pediatr Hematol Oncol*, **33**, e239-44.
- Laantri N, Jalbout M, Khyatti M, Ayoub WB, Dahmoul S, Ayad M, Bedadra W, Abdoun M, Mesli S, Kandil M, Hamdi-Cherif M, Boualga K, Bouaouina N, Chouchane L, Benider A, Ben-Ayed F, Goldgar D and Corbex M (2011). XRCC1 and hOGG1 genes and risk of nasopharyngeal carcinoma in North African countries. *Mol Carcinog*, **50**, 732-7.
- Lachenmeier DW, Przybylski MC and Rehm J (2012). Comparative risk assessment of carcinogens in alcoholic beverages using the margin of exposure approach. *Int J Cancer*, **131**, E995-1003.
- Lakhanpal M, Singh LC, Rahman T, Sharma J, Singh MM, Kataki AC, Verma S, Chauhan PS, Singh YM, Wajid S, Kapur S and Saxena S (2015). Contribution of susceptibility locus at HLA class I region and environmental factors to occurrence of nasopharyngeal cancer in Northeast India. *Tumour Biol*, **36**, 3061-73.

- Lan Q, Lim U, Liu CS, Weinstein SJ, Chanock S, Bonner MR, Virtamo J, Albanes D and Rothman N (2008). A prospective study of mitochondrial DNA copy number and risk of non-Hodgkin lymphoma. *Blood*, **112**, 4247-9.
- Lanier AP, Bornkamm GW, Henle W, Henle G, Bender TR, Talbot ML and Dohan PH (1981). Association of Epstein-Barr virus with nasopharyngeal carcinoma in Alaskan native patients: serum antibodies and tissue EBNA and DNA. *Int J Cancer*, **28**, 301-5.
- Lebedeva MA, Eaton JS and Shadel GS (2009). Loss of p53 causes mitochondrial DNA depletion and altered mitochondrial reactive oxygen species homeostasis. *Biochim Biophys Acta*, **1787**, 328-34.
- Lee GH, Choi YM, Hong MA, Yoon SH, Kim JJ, Hwang K and Chae SJ (2014). Association of CDKN2B-AS and WNT4 genetic polymorphisms in Korean patients with endometriosis. *Fertil Steril*, **102**, 1393-7.
- Lee HC, Li SH, Lin JC, Wu CC, Yeh DC and Wei YH (2004). Somatic mutations in the D-loop and decrease in the copy number of mitochondrial DNA in human hepatocellular carcinoma. *Mutat Res*, **547**, 71-8.
- Lee HC, Yin PH, Lin JC, Wu CC, Chen CY, Wu CW, Chi CW, Tam TN and Wei YH (2005). Mitochondrial genome instability and mtDNA depletion in human cancers. *Ann NY Acad Sci*, **1042**, 109-22.
- Lee HC, Yin PH, Yu TN, Chang YD, Hsu WC, Kao SY, Chi CW, Liu TY and Wei YH (2001). Accumulation of mitochondrial DNA deletions in human oral tissues -- effects of betel quid chewing and oral cancer. *Mutat Res*, **493**, 67-74.
- Lee HP, Gourley L, Duffy SW, Esteve J, Lee J and Day NE (1994). Preserved foods and nasopharyngeal carcinoma: a case-control study among Singapore Chinese. *Int J Cancer*, **59**, 585-90.
- Li CC, Yu MC and Henderson BE (1985). Some epidemiologic observations of nasopharyngeal carcinoma in Guangdong, People's Republic of China. *Natl Cancer Inst Monogr*, **69**, 49-52.
- Li J, Jiang R, Liu WS, Liu Q, Xu M, Feng QS, Chen LZ, Bei JX, Chen MY and Zeng YX (2013a). A large cohort study reveals the association of elevated peripheral blood lymphocyte-to-monocyte ratio with favorable prognosis in nasopharyngeal carcinoma. *PLoS One*, **8**, e83069.

- Li LY, Liu MY, Shih HM, Tsai CH and Chen JY (2006). Human cellular protein VRK2 interacts specifically with Epstein-Barr virus BHRF1, a homologue of Bcl-2, and enhances cell survival. *J Gen Virol*, **87**, 2869-78.
- Li Q, Wang JM, Peng Y, Zhang SH, Ren T, Luo H, Cheng Y and Wang D (2013b). Association of DNA base-excision repair XRCC1, OGG1 and APE1 gene polymorphisms with nasopharyngeal carcinoma susceptibility in a Chinese population. *Asian Pac J Cancer Prev*, **14**, 5145-51.
- Li SN, Chang YS and Liu ST (1996). Effect of a 10-amino acid deletion on the oncogenic activity of latent membrane protein 1 of Epstein-Barr virus. *Oncogene*, **12**, 2129-35.
- Li TK, Yin SJ, Crabb DW, O'Connor S and Ramchandani VA (2001). Genetic and environmental influences on alcohol metabolism in humans. *Alcohol Clin Exp Res*, **25**, 136-44.
- Li X, Fasano R, Wang E, Yao KT and Marincola FM (2009). HLA associations with nasopharyngeal carcinoma. *Curr Mol Med*, **9**, 751-65.
- Liebowitz D (1994). Nasopharyngeal carcinoma: the Epstein-Barr virus association. *Semin Oncol*, **21**, 376-81.
- Lin CS, Chang SC, Wang LS, Chou TY, Hsu WH, Wu YC and Wei YH (2010). The role of mitochondrial DNA alterations in esophageal squamous cell carcinomas. *J Thorac Cardiovasc Surg*, **139**, 189-97 e4.
- Lin CS, Wang LS, Tsai CM and Wei YH (2008). Low copy number and low oxidative damage of mitochondrial DNA are associated with tumor progression in lung cancer tissues after neoadjuvant chemotherapy. *Interact Cardiovasc Thorac Surg*, **7**, 954-8.
- Lin JC, Cherng JM, Lin HJ, Tsang CW, Liu YX and Lee SP (2004). Amino acid changes in functional domains of latent membrane protein 1 of Epstein-Barr virus in nasopharyngeal carcinoma of southern China and Taiwan: prevalence of an HLA A2-restricted 'epitope-loss variant'. *J Gen Virol*, **85**, 2023-34.
- Lin JC, Wang WY, Chen KY, Wei YH, Liang WM, Jan JS and Jiang RS (2004). Quantification of plasma Epstein-Barr virus DNA in patients with advanced nasopharyngeal carcinoma. *N Engl J Med*, **350**, 2461-70.

- Lin TM, Yang CS, Chiou JF, Tu SM, Chen TY, Tu YC, Lin PJ, Kawamura A, Jr. and Hirayama T (1977). Antibodies to Epstein-Barr virus capsid antigen and early antigen in nasopharyngeal carcinoma and comparison groups. *Am J Epidemiol*, **106**, 336-9.
- Lin TM, Yang CS, Tu SM, Chen CJ, Kuo KC and Hirayama T (1979). Interaction of factors associated with cancer of the nasopharynx. *Cancer*, **44**, 1419-23.
- Liu P and Demple B (2010). DNA repair in mammalian mitochondria: Much more than we thought? *Environ Mol Mutagen*, **51**, 417-26.
- Liu YT, Fan YY, Xu CH, Lin XL, Lu YK, Zhang XL, Zhang CX and Chen YM (2013). Habitual consumption of soy products and risk of nasopharyngeal carcinoma in Chinese adults: a case-control study. *PLoS One*, **8**, e77822.
- Lo AK, Huang DP, Lo KW, Chui YL, Li HM, Pang JC and Tsao SW (2004). Phenotypic alterations induced by the Hong Kong-prevalent Epstein-Barr virus-encoded LMP1 variant (2117-LMP1) in nasopharyngeal epithelial cells. *Int J Cancer*, **109**, 919-25.
- Lo KW, To KF and Huang DP (2004). Focus on nasopharyngeal carcinoma. *Cancer Cell*, **5**, 423-8.
- Lopez-Lazaro M (2006a). Does hypoxia really control tumor growth? *Cell Oncol*, **28**, 327-9.
- Lopez-Lazaro M (2006b). Hypoxia-inducible factor 1 as a possible target for cancer chemoprevention. *Cancer Epidemiol Biomarkers Prev*, **15**, 2332-5.
- Lu H, Dalgard CL, Mohyeldin A, McFate T, Tait AS and Verma A (2005). Reversible inactivation of HIF-1 prolyl hydroxylases allows cell metabolism to control basal HIF-1. *J Biol Chem*, **280**, 41928-39.
- Lu ZX, Ye M, Yan GR, Li Q, Tang M, Lee LM, Sun LQ and Cao Y (2005). Effect of EBV LMP1 targeted DNAzymes on cell proliferation and apoptosis. *Cancer Gene Ther*, **12**, 647-54.
- Ma X and Yu H (2006). Global burden of cancer. *Yale J Biol Med*, **79**, 85-94.
- Malik AN and Czajka A (2013). Is mitochondrial DNA content a potential biomarker of mitochondrial dysfunction? *Mitochondrion*, **13**, 481-92.

- Mambo E, Chatterjee A, Xing M, Tallini G, Haugen BR, Yeung SC, Sukumar S and Sidransky D (2005). Tumor-specific changes in mtDNA content in human cancer. *Int J Cancer*, **116**, 920-4.
- Marron M, Boffetta P, Zhang ZF, Zaridze D, Wunsch-Filho V, Winn DM, Wei Q, Talamini R, Szeszenia-Dabrowska N, Sturgis EM, Smith E, Schwartz SM, Rudnai P, Purdue MP, Olshan AF, Eluf-Neto J, Muscat J, Morgenstern H, Menezes A, McClean M, Matos E, Mates IN, Lissowska J, Levi F, Lazarus P, La Vecchia C, Koifman S, Kelsey K, Herrero R, Hayes RB, Franceschi S, Fernandez L, Fabianova E, Daudt AW, Dal Maso L, Curado MP, Cadoni G, Chen C, Castellsague X, Boccia S, Benhamou S, Ferro G, Berthiller J, Brennan P, Moller H and Hashibe M (2010). Cessation of alcohol drinking, tobacco smoking and the reversal of head and neck cancer risk. *Int J Epidemiol*, **39**, 182-96.
- Matthias C, Bockmuhl U, Jahnke V, Jones PW, Hayes JD, Alldersea J, Gilford J, Bailey L, Bath J, Worrall SF, Hand P, Fryer AA and Strange RC (1998). Polymorphism in cytochrome P450 CYP2D6, CYP1A1, CYP2E1 and glutathione S-transferase, GSTM1, GSTM3, GSTT1 and susceptibility to tobacco-related cancers: studies in upper aerodigestive tract cancers. *Pharmacogenetics*, **8**, 91-100.
- McIlwain CC, Townsend DM and Tew KD (2006). Glutathione S-transferase polymorphisms: cancer incidence and therapy. *Oncogene*, **25**, 1639-48.
- Meierhofer D, Mayr JA, Foetschl U, Berger A, Fink K, Schmeller N, Hacker GW, Hauser-Kronberger C, Kofler B and Sperl W (2004). Decrease of mitochondrial DNA content and energy metabolism in renal cell carcinoma. *Carcinogenesis*, **25**, 1005-10.
- Metais JY and Dunbar CE (2008). The MDS1-EVI1 gene complex as a retrovirus integration site: impact on behavior of hematopoietic cells and implications for gene therapy. *Mol Ther*, **16**, 439-49.
- Metsola K, Kataja V, Sillanpaa P, Siivola P, Heikinheimo L, Eskelinen M, Kosma VM, Uusitupa M and Hirvonen A (2005). XRCC1 and XPD genetic polymorphisms, smoking and breast cancer risk in a Finnish case-control study. *Breast Cancer Res*, **7**, R987-97.

- Meyer UA (1996). Overview of enzymes of drug metabolism. *J Pharmacokinet Biopharm*, **24**, 449-59.
- Miller AB. Diet in cancer prevention. http://www.who.int/ncd/cancer/publications/abstracts/abs9810_05 (accessed 2012).
- Miller WE, Edwards RH, Walling DM and Raab-Traub N (1994). Sequence variation in the Epstein-Barr virus latent membrane protein 1. *J Gen Virol*, **75** (Pt 10), 2729-40.
- Mitacek EJ, Brunnemann KD, Hoffmann D, Limsila T, Suttajit M, Martin N and Caplan LS (1999). Volatile nitrosamines and tobacco-specific nitrosamines in the smoke of Thai cigarettes: a risk factor for lung cancer and a suspected risk factor for liver cancer in Thailand. *Carcinogenesis*, **20**, 133-7.
- Mizumachi T, Muskhelishvili L, Naito A, Furusawa J, Fan CY, Siegel ER, Kadlubar FF, Kumar U and Higuchi M (2008). Increased distributional variance of mitochondrial DNA content associated with prostate cancer cells as compared with normal prostate cells. *Prostate*, **68**, 408-17.
- Mondal R and Ghosh SK (2013). Accumulation of mutations over the complete mitochondrial genome in tobacco-related oral cancer from northeast India. *Mitochondrial DNA*, **24**, 432-9.
- Mondal R, Ghosh SK, Choudhury JH, Seram A, Sinha K, Hussain M, Laskar RS, Rabha B, Dey P, Ganguli S, Nathchoudhury M, Talukdar FR, Chaudhuri B and Dhar B (2013a). Mitochondrial DNA copy number and risk of oral cancer: a report from Northeast India. *PLoS One*, **8**, e57771.
- Mondal R, Ghosh SK, Talukdar FR and Laskar RS (2013b). Association of mitochondrial D-loop mutations with GSTM1 and GSTT1 polymorphisms in oral carcinoma: a case control study from northeast India. *Oral Oncol*, **49**, 345-53.
- Morikawa Y, Hisaoka T, Kitamura T and Senba E (2008). TROY, a novel member of the tumor necrosis factor receptor superfamily in the central nervous system. *Ann NY Acad Sci*, **1126**, A1-10.
- Mota P, Moura DS, Vale MG, Coimbra H, Carvalho L and Regateiro F (2010). CYP1A1 m1 and m2 polymorphisms: genetic susceptibility to lung cancer. *Rev Port Pneumol*, **16**, 89-98.

- Murthy AK, Kumar V and Suresh KP (2013). Meta-analysis of GSTM1 and GSTT1 polymorphisms and risk of nasopharyngeal cancer. *Asian Pac J Cancer Prev*, **14**, 1697-701.
- Nagaraj NS, Beckers S, Mensah JK, Waigel S, Vigneswaran N and Zacharias W (2006). Cigarette smoke condensate induces cytochromes P450 and aldo-keto reductases in oral cancer cells. *Toxicol Lett*, **165**, 182-94.
- Nair UJ, Nair J, Mathew B and Bartsch H (1999). Glutathione S-transferase M1 and T1 null genotypes as risk factors for oral leukoplakia in ethnic Indian betel quid/tobacco chewers. *Carcinogenesis*, **20**, 743-8.
- Nam JM, McLaughlin JK and Blot WJ (1992). Cigarette smoking, alcohol, and nasopharyngeal carcinoma: a case-control study among U.S. whites. *J Natl Cancer Inst*, **84**, 619-22.
- National Cancer Registry Program (NCRP). Indian Council of Medical Research (ICMR). <http://www.ncrpindia.org/> (accessed Dec 20, 2013).
- Nazar-Stewart V, Vaughan TL, Burt RD, Chen C, Berwick M and Swanson GM (1999). Glutathione S-transferase M1 and susceptibility to nasopharyngeal carcinoma. *Cancer Epidemiol Biomarkers Prev*, **8**, 547-51.
- Neel HB, 3rd, Pearson GR, Weiland LH, Taylor WF, Goepfert HH, Pilch BZ, Goodman M, Lanier AP, Huang AT, Hyams VJ, Levine PH, Henle G and Henle W (1983). Application of Epstein-Barr virus serology to the diagnosis and staging of North American patients with nasopharyngeal carcinoma. *Otolaryngol Head Neck Surg*, **91**, 255-62.
- Ng CC, Yew PY, Puah SM, Krishnan G, Yap LF, Teo SH, Lim PV, Govindaraju S, Ratnavelu K, Sam CK, Takahashi A, Kubo M, Kamatani N, Nakamura Y and Mushirosa T (2009). A genome-wide association study identifies ITGA9 conferring risk of nasopharyngeal carcinoma. *J Hum Genet*, **54**, 392-7.
- Nicholls JM, Agathanggelou A, Fung K, Zeng X and Niedobitek G (1997). The association of squamous cell carcinomas of the nasopharynx with Epstein-Barr virus shows geographical variation reminiscent of Burkitt's lymphoma. *J Pathol*, **183**, 164-8.
- Niedobitek G, Hansmann ML, Herbst H, Young LS, Dienemann D, Hartmann CA, Finn T, Pitteroff S, Welt A, Anagnostopoulos I and et al. (1991). Epstein-Barr

- virus and carcinomas: undifferentiated carcinomas but not squamous cell carcinomas of the nasopharynx are regularly associated with the virus. *J Pathol*, **165**, 17-24.
- Ning JP, Yu MC, Wang QS and Henderson BE (1990). Consumption of salted fish and other risk factors for nasopharyngeal carcinoma (NPC) in Tianjin, a low-risk region for NPC in the People's Republic of China. *J Natl Cancer Inst*, **82**, 291-6.
- Nitta E, Izutsu K, Yamaguchi Y, Imai Y, Ogawa S, Chiba S, Kurokawa M and Hirai H (2005). Oligomerization of Evi-1 regulated by the PR domain contributes to recruitment of corepressor CtBP. *Oncogene*, **24**, 6165-73.
- Nonoyama M, Huang CH, Pagano JS, Klein G and Singh S (1973). DNA of Epstein-Barr virus detected in tissue of Burkitt's lymphoma and nasopharyngeal carcinoma. *Proc Natl Acad Sci U S A*, **70**, 3265-8.
- Oyama T, Kawamoto T, Mizoue T, Nishida K, Osaki T, Sugio K, Yasumoto K and Mitsudomi T (1997). p53 mutations of lung cancer are not significantly affected by CYP1A1 or GSTM1 polymorphisms. *Int J Oncol*, **11**, 305-9.
- Pan J, Xu Y, Qiu S, Zong J, Guo Q, Zhang Y, Lin S and Lu JJ (2015). A comparison between the Chinese 2008 and the 7th edition AJCC staging systems for nasopharyngeal carcinoma. *Am J Clin Oncol*, **38**, 189-96.
- Pandya J and Walling DM (2006). Oncogenic activity of Epstein-Barr virus latent membrane protein 1 (LMP-1) is down-regulated by lytic LMP-1. *J Virol*, **80**, 8038-46.
- Pang LJ, Shao JY, Liang XM, Xia YF and Zeng YX (2008). Mitochondrial DNA somatic mutations are frequent in nasopharyngeal carcinoma. *Cancer Biol Ther*, **7**, 198-207.
- Park JS, Sharma LK, Li H, Xiang R, Holstein D, Wu J, Lechleiter J, Naylor SL, Deng JJ, Lu J and Bai Y (2009). A heteroplasmic, not homoplasmic, mitochondrial DNA mutation promotes tumorigenesis via alteration in reactive oxygen species generation and apoptosis. *Hum Mol Genet*, **18**, 1578-89.
- Pathmanathan R, Prasad U, Chandrika G, Sadler R, Flynn K and Raab-Traub N (1995a). Undifferentiated, nonkeratinizing, and squamous cell carcinoma of the nasopharynx. Variants of Epstein-Barr virus-infected neoplasia. *Am J Pathol*, **146**, 1355-67.

- Pathmanathan R, Prasad U, Sadler R, Flynn K and Raab-Traub N (1995b). Clonal proliferations of cells infected with Epstein-Barr virus in preinvasive lesions related to nasopharyngeal carcinoma. *N Engl J Med*, **333**, 693-8.
- Pearson GR, Weiland LH, Neel HB, 3rd, Taylor W, Earle J, Mulroney SE, Goepfert H, Lanier A, Talvot ML, Pilch B, Goodman M, Huang A, Levine PH, Hyams V, Moran E, Henle G and Henle W (1983). Application of Epstein-Barr virus (EBV) serology to the diagnosis of North American nasopharyngeal carcinoma. *Cancer*, **51**, 260-8.
- Peter Boyle and Bernard Levin (Eds): World Cancer Report. IARC Press. IARC Press. Lyon 2008
- Pelicano H, Martin DS, Xu RH and Huang P (2006). Glycolysis inhibition for anticancer treatment. *Oncogene*, **25**, 4633-46.
- Plaza G, Santon A, Vidal AM and Bellas C (2003). Latent membrane protein-1 oncogene deletions in nasopharyngeal carcinoma in Caucasian patients. *Acta Otolaryngol*, **123**, 664-8.
- Pliarchopoulou K, Voutsinas G, Papaxoinis G, Florou K, Skondra M, Kostaki K, Roussou P, Syrigos K and Pectasides D (2012). Correlation of CYP1A1, GSTP1 and GSTM1 gene polymorphisms and lung cancer risk among smokers. *Oncol Lett*, **3**, 1301-6.
- Poirier S, Bouvier G, Malaveille C, Ohshima H, Shao YM, Hubert A, Zeng Y, de The G and Bartsch H (1989). Volatile nitrosamine levels and genotoxicity of food samples from high-risk areas for nasopharyngeal carcinoma before and after nitrosation. *Int J Cancer*, **44**, 1088-94.
- Poirier S, Hubert A, de-The G, Ohshima H, Bourgade MC and Bartsch H (1987). Occurrence of volatile nitrosamines in food samples collected in three high-risk areas for nasopharyngeal carcinoma. *IARC Sci Publ*, 415-9.
- Polesel J, Franceschi S, Talamini R, Negri E, Barzan L, Montella M, Libra M, Vaccher E, Franchin G, La Vecchia C and Serraino D (2011). Tobacco smoking, alcohol drinking, and the risk of different histological types of nasopharyngeal cancer in a low-risk population. *Oral Oncol*, **47**, 541-5.

- Polesel J, Serraino D, Negri E, Barzan L, Vaccher E, Montella M, Zucchetto A, Garavello W, Franceschi S, La Vecchia C and Talamini R (2013). Consumption of fruit, vegetables, and other food groups and the risk of nasopharyngeal carcinoma. *Cancer Causes Control*, **24**, 1157-65.
- Popov N and Gil J (2010). Epigenetic regulation of the INK4b-ARF-INK4a locus: in sickness and in health. *Epigenetics*, **5**, 685-90.
- Potter JD and Steinmetz K (1996). Vegetables, fruit and phytoestrogens as preventive agents. *IARC Sci Publ*, 61-90.
- Przygodzki RM, Bennett WP, Guinee DG, Jr., Khan MA, Freedman A, Shields PG, Travis WD, Jett JR, Tazelaar H, Pairolo P, Trastek V, Liotta LA, Harris CC and Caporaso NE (1998). p53 mutation spectrum in relation to GSTM1, CYP1A1 and CYP2E1 in surgically treated patients with non-small cell lung cancer. *Pharmacogenetics*, **8**, 503-11.
- Purdue MP, Hofmann JN, Colt JS, Hoxha M, Ruterbusch JJ, Davis FG, Rothman N, Wacholder S, Schwartz KL, Baccarelli A and Chow WH (2012). A case-control study of peripheral blood mitochondrial DNA copy number and risk of renal cell carcinoma. *PLoS One*, **7**, e43149.
- Putera I, Ramadhan MG, Anindya S, Sutanto NR, Kurniawan A, Hosea FN and Safitri ED (2015). Relationship Between Salted Fish Consumption and Nasopharyngeal Carcinoma: An Evidence-based Case Report. *Acta Med Indones*, **47**, 72-7.
- Qin HD, Shugart YY, Bei JX, Pan QH, Chen L, Feng QS, Chen LZ, Huang W, Liu JJ, Jorgensen TJ, Zeng YX and Jia WH (2011). Comprehensive pathway-based association study of DNA repair gene variants and the risk of nasopharyngeal carcinoma. *Cancer Res*, **71**, 3000-8.
- Qu F, Liu X, Zhou F, Yang H, Bao G, He X and Xing J (2011). Association between mitochondrial DNA content in leukocytes and colorectal cancer risk: a case-control analysis. *Cancer*, **117**, 3148-55.
- Raab-Traub N (2002). Epstein-Barr virus in the pathogenesis of NPC. *Semin Cancer Biol*, **12**, 431-41.
- Raab-Traub N and Flynn K (1986). The structure of the termini of the Epstein-Barr virus as a marker of clonal cellular proliferation. *Cell*, **47**, 883-9.

- Rathaur RG, Chitale AR and Banerjee K (1999). Epstein-Barr virus in nasopharyngeal carcinoma in Indian patients. *Indian J Cancer*, **36**, 80-90.
- Ragin CC, Langevin S, Rubin S and Taioli E (2010). Review of studies on metabolic genes and cancer in populations of African descent. *Genet Med*, **12**, 12-8.
- Rodriguez-Antona C and Ingelman-Sundberg M (2006). Cytochrome P450 pharmacogenetics and cancer. *Oncogene*, **25**, 1679-91.
- Romanowicz H, Smolarz B, Baszcynski J, Zadrozny M and Kulig A (2010). Genetics polymorphism in DNA repair genes by base excision repair pathway (XRCC1) and homologous recombination (XRCC2 and RAD51) and the risk of breast carcinoma in the Polish population. *Pol J Pathol*, **61**, 206-12.
- Ronai ZA, Gradia S, Peterson LA and Hecht SS (1993). G to A transitions and G to T transversions in codon 12 of the Ki-ras oncogene isolated from mouse lung tumors induced by 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) and related DNA methylating and pyridyloxobutylating agents. *Carcinogenesis*, **14**, 2419-22.
- Roukos DH (2009). Genome-wide association studies: how predictable is a person's cancer risk? *Expert Rev Anticancer Ther*, **9**, 389-92.
- Ruan HL, Xu FH, Liu WS, Feng QS, Chen LZ, Zeng YX and Jia WH (2010). Alcohol and tea consumption in relation to the risk of nasopharyngeal carcinoma in Guangdong, China. *Front Med China*, **4**, 448-56.
- Sabitha K, Reddy MV and Jamil K (2010). Smoking related risk involved in individuals carrying genetic variants of CYP1A1 gene in head and neck cancer. *Cancer Epidemiol*, **34**, 587-92.
- Saemundsen AK, Albeck H, Hansen JP, Nielsen NH, Anvret M, Henle W, Henle G, Thomsen KA, Kristensen HK and Klein G (1982). Epstein-Barr virus in nasopharyngeal and salivary gland carcinomas of Greenland Eskimos. *Br J Cancer*, **46**, 721-8.
- Saikia BJ, Phukan RK, Sharma SK, Sekhon GS and Mahanta J (2014). Interaction of XRCC1 and XPD gene polymorphisms with lifestyle and environmental factors regarding susceptibility to lung cancer in a high incidence population in North East India. *Asian Pac J Cancer Prev*, **15**, 1993-9.

- Sam SS, Thomas V, Reddy KS, Surianarayanan G and Chandrasekaran A (2010). Gene-environment interactions associated with CYP1A1 MspI and GST polymorphisms and the risk of upper aerodigestive tract cancers in an Indian population. *J Cancer Res Clin Oncol*, **136**, 945-51.
- Sam SS, Thomas V, Reddy SK, Surianarayanan G and Chandrasekaran A (2008). CYP1A1 polymorphisms and the risk of upper aerodigestive tract cancers in an Indian population. *Head Neck*, **30**, 1566-74.
- Sample J, Young L, Martin B, Chatman T, Kieff E and Rickinson A (1990). Epstein-Barr virus types 1 and 2 differ in their EBNA-3A, EBNA-3B, and EBNA-3C genes. *J Virol*, **64**, 4084-92.
- Sanson M, Hosking FJ, Shete S, Zelenika D, Dobbins SE, Ma Y, Enciso-Mora V, Idbaih A, Delattre JY, Hoang-Xuan K, Marie Y, Boisselier B, Carpentier C, Wang XW, Di Stefano AL, Labussiere M, Gousias K, Schramm J, Boland A, Lechner D, Gut I, Armstrong G, Liu Y, Yu R, Lau C, Di Bernardo MC, Robertson LB, Muir K, Hepworth S, Swerdlow A, Schoemaker MJ, Wichmann HE, Muller M, Schreiber S, Franke A, Moebus S, Eisele L, Forsti A, Hemminki K, Lathrop M, Bondy M, Houlston RS and Simon M (2011). Chromosome 7p11.2 (EGFR) variation influences glioma risk. *Hum Mol Genet*, **20**, 2897-904.
- Sarkar S, Nagabhushan M, Soman CS, Tricker AR and Bhide SV (1989). Mutagenicity and carcinogenicity of smoked meat from Nagaland, a region of India prone to a high incidence of nasopharyngeal cancer. *Carcinogenesis*, **10**, 733-6.
- Sasco AJ, Secretan MB and Straif K (2004). Tobacco smoking and cancer: a brief review of recent epidemiological evidence. *Lung Cancer*, **45 Suppl 2**, S3-9.
- Sawaki S, Sugano H, Hirayama T, Kawamura A, Jr. and Tachibana T (1975). Histopathological and immunological studies of nasopharyngeal carcinoma. *Zhonghua Min Guo Wei Sheng Wu Xue Za Zhi*, **8**, 73-81.
- Schneider J, Bernges U, Philipp M and Woitowitz HJ (2004). GSTM1, GSTT1, and GSTP1 polymorphism and lung cancer risk in relation to tobacco smoking. *Cancer Lett*, **208**, 65-74.
- Sergentanis TN and Economopoulos KP (2010). Four polymorphisms in cytochrome P450 1A1 (CYP1A1) gene and breast cancer risk: a meta-analysis. *Breast Cancer Res Treat*, **122**, 459-69.

- Shadel GS (2008). Expression and maintenance of mitochondrial DNA: new insights into human disease pathology. *Am J Pathol*, **172**, 1445-56.
- Shangina O, Brennan P, Szeszenia-Dabrowska N, Mates D, Fabianova E, Fletcher T, t'Mannetje A, Boffetta P and Zaridze D (2006). Occupational exposure and laryngeal and hypopharyngeal cancer risk in central and eastern Europe. *Am J Epidemiol*, **164**, 367-75.
- Shao JY, Li YH, Gao HY, Mai HQ, Zhang Y, Guo X and Zeng YX (2004). High frequency of common deletion (4981 bp) in mitochondrial DNA in nasopharyngeal carcinoma and its correlation with patient age and clinical stages. *Cancer Biol Ther*, **3**, 1270-4.
- Shao YM, Poirier S, Ohshima H, Malaveille C, Zeng Y, de The G and Bartsch H (1988). Epstein-Barr virus activation in Raji cells by extracts of preserved food from high risk areas for nasopharyngeal carcinoma. *Carcinogenesis*, **9**, 1455-7.
- Sharma JD, Kalit M, Nirmolia T, Saikia SP, Sharma A and Barman D (2014). Cancer: scenario and relationship of different geographical areas of the globe with special reference to North East-India. *Asian Pac J Cancer Prev*, **15**, 3721-9.
- Sharma R, Ahuja M, Panda NK and Khullar M (2011). Interactions among genetic variants in tobacco metabolizing genes and smoking are associated with head and neck cancer susceptibility in North Indians. *DNA Cell Biol*, **30**, 611-6.
- Sharma TD, Singh TT, Laishram RS, Sharma LD, Sunita AK and Imchen LT (2011). Nasopharyngeal carcinoma--a clinico-pathological study in a regional cancer centre of northeastern India. *Asian Pac J Cancer Prev*, **12**, 1583-7.
- Shen H, Xu Y, Qian Y, Yu R, Qin Y, Zhou L, Wang X, Spitz MR and Wei Q (2000). Polymorphisms of the DNA repair gene XRCC1 and risk of gastric cancer in a Chinese population. *Int J Cancer*, **88**, 601-6.
- Shen J, Platek M, Mahasneh A, Ambrosone CB and Zhao H (2010). Mitochondrial copy number and risk of breast cancer: a pilot study. *Mitochondrion*, **10**, 62-8.
- Shen MR, Jones IM and Mohrenweiser H (1998). Nonconservative amino acid substitution variants exist at polymorphic frequency in DNA repair genes in healthy humans. *Cancer Res*, **58**, 604-8.

- Sheweita SA (2000). Drug-metabolizing enzymes: mechanisms and functions. *Curr Drug Metab*, **1**, 107-32.
- Shi Q, Wang LE, Bondy ML, Brewster A, Singletary SE and Wei Q (2004). Reduced DNA repair of benzo[a]pyrene diol epoxide-induced adducts and common XPD polymorphisms in breast cancer patients. *Carcinogenesis*, **25**, 1695-700.
- Shukla D, Dinesh Kale A, Hallikerimath S, Yerramalla V, Subbiah V and Mishra S (2013). Association between GSTM1 and CYP1A1 polymorphisms and survival in oral cancer patients. *Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub*, **157**, 304-10.
- Siegel R, Naishadham D and Jemal A (2013). Cancer statistics, 2013. *CA Cancer J Clin*, **63**, 11-30.
- Singh KK, Ayyasamy V, Owens KM, Koul MS and Vujcic M (2009). Mutations in mitochondrial DNA polymerase-gamma promote breast tumorigenesis. *J Hum Genet*, **54**, 516-24.
- Soderholm J, Kobayashi H, Mathieu C, Rowley JD and Nucifora G (1997). The leukemia-associated gene MDS1/EVI1 is a new type of GATA-binding transactivator. *Leukemia*, **11**, 352-8.
- Soya SS, Vinod T, Reddy KS, Gopalakrishnan S and Adithan C (2007). Genetic polymorphisms of glutathione-S-transferase genes (GSTM1, GSTT1 and GSTP1) and upper aerodigestive tract cancer risk among smokers, tobacco chewers and alcoholics in an Indian population. *Eur J Cancer*, **43**, 2698-706.
- Sriamporn S, Vatanasapt V, Pisani P, Yongchaiyudha S and Rungpitartangsri V (1992). Environmental risk factors for nasopharyngeal carcinoma: a case-control study in northeastern Thailand. *Cancer Epidemiol Biomarkers Prev*, **1**, 345-8.
- Stacewicz-Sapuntzakis M, Borthakur G, Burns JL and Bowen PE (2008). Correlations of dietary patterns with prostate health. *Mol Nutr Food Res*, **52**, 114-30.
- Sterpone S, Mastellone V, Padua L, Novelli F, Patrono C, Cornetta T, Giannarino D, Donato V, Testa A and Cozzi R (2010). Single-nucleotide polymorphisms in BER and HRR genes, XRCC1 haplotypes and breast cancer risk in Caucasian women. *J Cancer Res Clin Oncol*, **136**, 631-6.

- Sugimura T, Wakabayashi K, Nakagama H and Nagao M (2004). Heterocyclic amines: Mutagens/carcinogens produced during cooking of meat and fish. *Cancer Sci*, **95**, 290-9.
- Talukdar FR, Ghosh SK, Laskar RS and Mondal R (2013). Epigenetic, genetic and environmental interactions in esophageal squamous cell carcinoma from northeast India. *PLoS One*, **8**, e60996.
- Tamaki Y, Arai T, Sugimura H, Sasaki T, Honda M, Muroi Y, Matsubara Y, Kanno S, Ishikawa M, Hirasawa N and Hiratsuka M (2011). Association between cancer risk and drug-metabolizing enzyme gene (CYP2A6, CYP2A13, CYP4B1, SULT1A1, GSTM1, and GSTT1) polymorphisms in cases of lung cancer in Japan. *Drug Metab Pharmacokinet*, **26**, 516-22.
- Tamura K, Stecher G, Peterson D, Filipski A and Kumar S (2013). MEGA6: Molecular Evolutionary Genetics Analysis version 6.0. *Mol Biol Evol*, **30**, 2725-9.
- Tan EL, Peh SC and Sam CK (2003). Analyses of Epstein-Barr virus latent membrane protein-1 in Malaysian nasopharyngeal carcinoma: high prevalence of 30-bp deletion, Xho1 polymorphism and evidence of dual infections. *J Med Virol*, **69**, 251-7.
- Tang M, Lautenberger JA, Gao X, Sezgin E, Hendrickson SL, Troyer JL, David VA, Guan L, McIntosh CE, Guo X, Zheng Y, Liao J, Deng H, Malasky M, Kessing B, Winkler CA, Carrington M, De The G, Zeng Y and O'Brien SJ (2012). The principal genetic determinants for nasopharyngeal carcinoma in China involve the HLA class I antigen recognition groove. *PLoS Genet*, **8**, e1003103.
- Testa B and Kramer SD (2006). The biochemistry of drug metabolism--an introduction: part 1. Principles and overview. *Chem Biodivers*, **3**, 1053-101.
- Thacker J and Zdzienicka MZ (2003). The mammalian XRCC genes: their roles in DNA repair and genetic stability. *DNA Repair (Amst)*, **2**, 655-72.
- Thyagarajan B, Wang R, Nelson H, Barcelo H, Koh WP and Yuan JM (2013). Mitochondrial DNA copy number is associated with breast cancer risk. *PLoS One*, **8**, e65968.
- Tiwawech D, Srivatanakul P, Karalak A and Ishida T (2005). Glutathione S-transferase M1 gene polymorphism in Thai nasopharyngeal carcinoma. *Asian Pac J Cancer Prev*, **6**, 270-5.

- Tiwawech D, Srivatanakul P, Karalak A and Ishida T (2006). Cytochrome P450 2A6 polymorphism in nasopharyngeal carcinoma. *Cancer Lett*, **241**, 135-41.
- Tiwawech D, Srivatanakul P, Karalak A and Ishida T (2008). Association between EBNA2 and LMP1 subtypes of Epstein-Barr virus and nasopharyngeal carcinoma in Thais. *J Clin Virol*, **42**, 1-6.
- Tomei LD, Noyes I, Blocker D, Holliday J and Glaser R (1987). Phorbol ester and Epstein-Barr virus dependent transformation of normal primary human skin epithelial cells. *Nature*, **329**, 73-5.
- Torre LA, Bray F, Siegel RL, Ferlay J, Lortet-Tieulent J and Jemal A (2015). Global cancer statistics, 2012. *CA Cancer J Clin*, **65**, 87-108.
- Tsao SW, Tramoutanis G, Dawson CW, Lo AK and Huang DP (2002). The significance of LMP1 expression in nasopharyngeal carcinoma. *Semin Cancer Biol*, **12**, 473-87.
- Tsao SW, Yip YL, Tsang CM, Pang PS, Lau VM, Zhang G and Lo KW (2014). Etiological factors of nasopharyngeal carcinoma. *Oral Oncol*, **50**, 330-8.
- Tse KP, Su WH, Chang KP, Tsang NM, Yu CJ, Tang P, See LC, Hsueh C, Yang ML, Hao SP, Li HY, Wang MH, Liao LP, Chen LC, Lin SR, Jorgensen TJ, Chang YS and Shugart YY (2009). Genome-wide association study reveals multiple nasopharyngeal carcinoma-associated loci within the HLA region at chromosome 6p21.3. *Am J Hum Genet*, **85**, 194-203.
- Tseng LM, Yin PH, Chi CW, Hsu CY, Wu CW, Lee LM, Wei YH and Lee HC (2006). Mitochondrial DNA mutations and mitochondrial DNA depletion in breast cancer. *Genes Chromosomes Cancer*, **45**, 629-38.
- Tso KK, Yip KY, Mak CK, Chung GT, Lee SD, Cheung ST, To KF and Lo KW (2013). Complete genomic sequence of Epstein-Barr virus in nasopharyngeal carcinoma cell line C666-1. *Infect Agent Cancer*, **8**, 29.
- Tuyns AJ (1979). Epidemiology of alcohol and cancer. *Cancer Res*, **39**, 2840-3.
- Uppal V, Mehndiratta M, Mohapatra D, Grover RK and Puri D (2014). XRCC-1 Gene Polymorphism (Arg399Gln) and Susceptibility to Development of Lung Cancer in Cohort of North Indian Population: A Pilot Study. *J Clin Diagn Res*, **8**, CC17-20.

- Varela-Lema L, Taioli E, Ruano-Ravina A, Barros-Dios JM, Anantharaman D, Benhamou S, Boccia S, Bhisey RA, Cadoni G, Capoluongo E, Chen CJ, Foulkes W, Goloni-Bertollo EM, Hatagima A, Hayes RB, Katoh T, Koifman S, Lazarus P, Manni JJ, Mahimkar M, Morita S, Park J, Park KK, Pavarino Bertelli EC, de Souza Fonseca Ribeiro EM, Roy B, Spitz MR, Strange RC, Wei Q and Ragin CC (2008). Meta-analysis and pooled analysis of GSTM1 and CYP1A1 polymorphisms and oral and pharyngeal cancers: a HuGE-GSEC review. *Genet Med*, **10**, 369-84.
- Vaughan TL, Shapiro JA, Burt RD, Swanson GM, Berwick M, Lynch CF and Lyon JL (1996). Nasopharyngeal cancer in a low-risk population: defining risk factors by histological type. *Cancer Epidemiol Biomarkers Prev*, **5**, 587-93.
- Visuvanathan S, Chong PP, Yap YY, Lim CC, Tan MK and Lye MS (2014). Distribution and haplotype associations of XPD Lys751Gln, XRCC1 Arg280His and XRCC1 Arg399Gln polymorphisms with nasopharyngeal carcinoma in the Malaysian population. *Asian Pac J Cancer Prev*, **15**, 2747-51.
- Wacholder S, Chanock S, Garcia-Closas M, El Ghormli L and Rothman N (2004). Assessing the probability that a positive report is false: an approach for molecular epidemiology studies. *J Natl Cancer Inst*, **96**, 434-42.
- Wallace DC (2010). Mitochondrial DNA mutations in disease and aging. *Environ Mol Mutagen*, **51**, 440-50.
- Wallace DC (1999). Mitochondrial diseases in man and mouse. *Science*, **283**, 1482-8.
- Wang C and Youle RJ (2009). The role of mitochondria in apoptosis*. *Annu Rev Genet*, **43**, 95-118.
- Wang Y, Liu VW, Xue WC, Cheung AN and Ngan HY (2006). Association of decreased mitochondrial DNA content with ovarian cancer progression. *Br J Cancer*, **95**, 1087-91.
- Wang Y, Liu VW, Xue WC, Tsang PC, Cheung AN and Ngan HY (2005). The increase of mitochondrial DNA content in endometrial adenocarcinoma cells: a quantitative study using laser-captured microdissected tissues. *Gynecol Oncol*, **98**, 104-10.
- Wang YC, Wei LJ, Liu JT, Li SX and Wang QS (2012). Comparison of Cancer Incidence between China and the USA. *Cancer Biol Med*, **9**, 128-32.

- Warburg O, Wind F and Negelein E (1927). The Metabolism of Tumors in the Body. *J Gen Physiol*, **8**, 519-30.
- Wei KR, Xu Y, Liu J, Zhang WJ and Liang ZH (2011). Histopathological classification of nasopharyngeal carcinoma. *Asian Pac J Cancer Prev*, **12**, 1141-7.
- Wei KR, Zheng RS, Zhang SW, Liang ZH, Ou ZX and Chen WQ (2014). Nasopharyngeal carcinoma incidence and mortality in China in 2010. *Chin J Cancer*, **33**, 381-7.
- Wei WI and Sham JS (2005). Nasopharyngeal carcinoma. *Lancet*, **365**, 2041-54.
- Wei Y, Zhou T, Lin H, Sun M, Wang D, Li H and Li B (2013). Significant associations between GSTM1/GSTT1 polymorphisms and nasopharyngeal cancer risk. *Tumour Biol*, **34**, 887-94.
- Weisburger JH (1999). Mechanisms of action of antioxidants as exemplified in vegetables, tomatoes and tea. *Food Chem Toxicol*, **37**, 943-8.
- West S, Hildesheim A and Dosemeci M (1993). Non-viral risk factors for nasopharyngeal carcinoma in the Philippines: results from a case-control study. *Int J Cancer*, **55**, 722-7.
- WHO. Tobacco Free Initiative. Why is tobacco a public health priority? Available from: URL: <http://www.who.int/tobacco/en/2005>.
- Willett WC (2000). Diet and cancer. *Oncologist*, **5**, 393-404.
- Wolf H, zur Hausen H and Becker V (1973). EB viral genomes in epithelial nasopharyngeal carcinoma cells. *Nat New Biol*, **244**, 245-7.
- Wu CW, Yin PH, Hung WY, Li AF, Li SH, Chi CW, Wei YH and Lee HC (2005). Mitochondrial DNA mutations and mitochondrial DNA depletion in gastric cancer. *Genes Chromosomes Cancer*, **44**, 19-28.
- Xia P, An HX, Dang CX, Radpour R, Kohler C, Fokas E, Engenhart-Cabillic R, Holzgreve W and Zhong XY (2009). Decreased mitochondrial DNA content in blood samples of patients with stage I breast cancer. *BMC Cancer*, **9**, 454.
- Xie SH, Yu IT, Tse LA, Au JS, Wang F, Lau JS and Zhang B (2014). Domestic incense burning and nasopharyngeal carcinoma: a case-control study in Hong Kong Chinese. *Environ Mol Mutagen*, **55**, 751-6.

- Xu FH, Xiong D, Xu YF, Cao SM, Xue WQ, Qin HD, Liu WS, Cao JY, Zhang Y, Feng QS, Chen LZ, Li MZ, Liu ZW, Liu Q, Hong MH, Shugart YY, Zeng YX, Zeng MS and Jia WH (2012). An epidemiological and molecular study of the relationship between smoking, risk of nasopharyngeal carcinoma, and Epstein-Barr virus activation. *J Natl Cancer Inst*, **104**, 1396-410.
- Xu J, Menezes J, Prasad U and Ahmad A (1999). Elevated serum levels of transforming growth factor beta1 in Epstein-Barr virus-associated nasopharyngeal carcinoma patients. *Int J Cancer*, **84**, 396-9.
- Xu RH, Pelicano H, Zhou Y, Carew JS, Feng L, Bhalla KN, Keating MJ and Huang P (2005). Inhibition of glycolysis in cancer cells: a novel strategy to overcome drug resistance associated with mitochondrial respiratory defect and hypoxia. *Cancer Res*, **65**, 613-21.
- Xue W and Warshawsky D (2005). Metabolic activation of polycyclic and heterocyclic aromatic hydrocarbons and DNA damage: a review. *Toxicol Appl Pharmacol*, **206**, 73-93.
- Xue WQ, Qin HD, Ruan HL, Shugart YY and Jia WH (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**, 325-38.
- Yamada S, Nomoto S, Fujii T, Kaneko T, Takeda S, Inoue S, Kanazumi N and Nakao A (2006). Correlation between copy number of mitochondrial DNA and clinicopathologic parameters of hepatocellular carcinoma. *Eur J Surg Oncol*, **32**, 303-7.
- Yang XR, Diehl S, Pfeiffer R, Chen CJ, Hsu WL, Dosemeci M, Cheng YJ, Sun B, Goldstein AM and Hildesheim A (2005). Evaluation of risk factors for nasopharyngeal carcinoma in high-risk nasopharyngeal carcinoma families in Taiwan. *Cancer Epidemiol Biomarkers Prev*, **14**, 900-5.
- Yang ZH, Dai Q, Kong XL, Yang WL and Zhang L (2009). Association of ERCC1 polymorphisms and susceptibility to nasopharyngeal carcinoma. *Mol Carcinog*, **48**, 196-201.
- Yang ZH, Du B, Wei YS, Zhang JH, Zhou B, Liang WB, Jia J, Zhang BL and Zhang L (2007). Genetic polymorphisms of the DNA repair gene and risk of nasopharyngeal carcinoma. *DNA Cell Biol*, **26**, 491-6.

- Yeole BB and Kurkure AP (2003). An epidemiological assessment of increasing incidence and trends in breast cancer in Mumbai and other sites in India, during the last two decades. *Asian Pac J Cancer Prev*, **4**, 51-6.
- Yin PH, Lee HC, Chau GY, Wu YT, Li SH, Lui WY, Wei YH, Liu TY and Chi CW (2004). Alteration of the copy number and deletion of mitochondrial DNA in human hepatocellular carcinoma. *Br J Cancer*, **90**, 2390-6.
- Young LS, Dawson CW, Clark D, Rupani H, Busson P, Tursz T, Johnson A and Rickinson AB (1988). Epstein-Barr virus gene expression in nasopharyngeal carcinoma. *J Gen Virol*, **69 (Pt 5)**, 1051-65.
- Young LS, Yao QY, Rooney CM, Sculley TB, Moss DJ, Rupani H, Laux G, Bornkamm GW and Rickinson AB (1987). New type B isolates of Epstein-Barr virus from Burkitt's lymphoma and from normal individuals in endemic areas. *J Gen Virol*, **68 (Pt 11)**, 2853-62.
- Yu M (2011). Generation, function and diagnostic value of mitochondrial DNA copy number alterations in human cancers. *Life Sci*, **89**, 65-71.
- Yu M, Zhou Y, Shi Y, Ning L, Yang Y, Wei X, Zhang N, Hao X and Niu R (2007). Reduced mitochondrial DNA copy number is correlated with tumor progression and prognosis in Chinese breast cancer patients. *IUBMB Life*, **59**, 450-7.
- Yu MC, Garabrant DH, Huang TB and Henderson BE (1990). Occupational and other non-dietary risk factors for nasopharyngeal carcinoma in Guangzhou, China. *Int J Cancer*, **45**, 1033-9.
- Yu MC, Ho JH, Lai SH and Henderson BE (1986). Cantonese-style salted fish as a cause of nasopharyngeal carcinoma: report of a case-control study in Hong Kong. *Cancer Res*, **46**, 956-61.
- Yu MC, Huang TB and Henderson BE (1989). Diet and nasopharyngeal carcinoma: a case-control study in Guangzhou, China. *Int J Cancer*, **43**, 1077-82.
- Yu MC, Mo CC, Chong WX, Yeh FS and Henderson BE (1988). Preserved foods and nasopharyngeal carcinoma: a case-control study in Guangxi, China. *Cancer Res*, **48**, 1954-9.

- Yu MC, Nichols PW, Zou XN, Estes J and Henderson BE (1989b). Induction of malignant nasal cavity tumours in Wistar rats fed Chinese salted fish. *Br J Cancer*, **60**, 198-201.
- Yu MC and Yuan JM (2002). Epidemiology of nasopharyngeal carcinoma. *Semin Cancer Biol*, **12**, 421-9.
- Yuan JM, Wang XL, Xiang YB, Gao YT, Ross RK and Yu MC (2000). Non-dietary risk factors for nasopharyngeal carcinoma in Shanghai, China. *Int J Cancer*, **85**, 364-9.
- Yuan JM, Wang XL, Xiang YB, Gao YT, Ross RK and Yu MC (2000). Preserved foods in relation to risk of nasopharyngeal carcinoma in Shanghai, China. *Int J Cancer*, **85**, 358-63.
- Zegger E, Weedon MN, Lindgren CM, Frayling TM, Elliott KS, Lango H, Timpson NJ, Perry JR, Rayner NW, Freathy RM, Barrett JC, Shields B, Morris AP, Ellard S, Groves CJ, Harries LW, Marchini JL, Owen KR, Knight B, Cardon LR, Walker M, Hitman GA, Morris AD, Doney AS, McCarthy MI and Hattersley AT (2007). Replication of genome-wide association signals in UK samples reveals risk loci for type 2 diabetes. *Science*, **316**, 1336-41.
- Zanetti R, Tazi MA and Rosso S (2010). New data tells us more about cancer incidence in North Africa. *Eur J Cancer*, **46**, 462-6.
- Zeng Y, Zhong JM, Mo YK and Miao XC (1983). Epstein-Barr virus early antigen induction in Raji cells by Chinese medicinal herbs. *Intervirology*, **19**, 201-4.
- Zhang EB, Kong R, Yin DD, You LH, Sun M, Han L, Xu TP, Xia R, Yang JS, De W and Chen J (2014). Long noncoding RNA ANRIL indicates a poor prognosis of gastric cancer and promotes tumor growth by epigenetically silencing of miR-99a/miR-449a. *Oncotarget*, **5**, 2276-92.
- Zeng Y, Zhong JM, Ye SQ, Ni ZY, Miao XQ, Mo YK and Li ZL (1994). Screening of Epstein-Barr virus early antigen expression inducers from Chinese medicinal herbs and plants. *Biomed Environ Sci*, **7**, 50-5.
- Zhao S, Yang Y, Liu J, Liu H, Ge N, Yang H, Zhang H and Xing J (2011). Association of mitochondrial DNA content in peripheral blood leukocyte with hepatitis B virus-related hepatocellular carcinoma in a Chinese Han population. *Cancer Sci*, **102**, 1553-8.

- Zheng J, Zhang C, Jiang L, You Y, Liu Y, Lu J and Zhou Y (2011). Functional NBS1 polymorphism is associated with occurrence and advanced disease status of nasopharyngeal carcinoma. *Mol Carcinog*, **50**, 689-96.
- Zheng MZ, Qin HD, Yu XJ, Zhang RH, Chen LZ, Feng QS and Zeng YX (2007). Haplotype of gene Nedd4 binding protein 2 associated with sporadic nasopharyngeal carcinoma in the Southern Chinese population. *J Transl Med*, **5**, 36.
- Zheng X, Luo Y, Christensson B and Drettner B (1994a). Induction of nasal and nasopharyngeal tumours in Sprague-Dawley rats fed with Chinese salted fish. *Acta Otolaryngol*, **114**, 98-104.
- Zheng X, Yan L, Nilsson B, Eklund G and Drettner B (1994b). Epstein-Barr virus infection, salted fish and nasopharyngeal carcinoma. A case-control study in southern China. *Acta Oncol*, **33**, 867-72.
- Zeng Y, Zhong JM, Mo YK and Miao XC (1983). Epstein-Barr virus early antigen induction in Raji cells by Chinese medicinal herbs. *Intervirology*, **19**, 201-4.
- Zheng YM, Tuppin P, Hubert A, Jeannel D, Pan YJ, Zeng Y and de The G (1994). Environmental and dietary risk factors for nasopharyngeal carcinoma: a case-control study in Zangwu County, Guangxi, China. *Br J Cancer*, **69**, 508-14.
- Zhu G, Wang L, Guo H, Lu L, Yang S, Wang T, Wang H, Min J, Yang K, Chen X, Liu Y, Wang Z and Su H (2015). DNA Repair Genes XRCC1 and ERCC1 Polymorphisms and the Risk of Sporadic Breast Cancer in Han Women in the Gansu Province of China. *Genet Test Mol Biomarkers*.
- Zou J, Sun Q, Akiba S, Yuan Y, Zha Y, Tao Z, Wei L and Sugahara T (2000). A case-control study of nasopharyngeal carcinoma in the high background radiation areas of Yangjiang, China. *J Radiat Res*, **41 Suppl**, 53-62.
- Zou XN, Lu SH and Liu B (1994). Volatile N-nitrosamines and their precursors in Chinese salted fish--a possible etiological factor for NPC in china. *Int J Cancer*, **59**, 155-8.
- zur Hausen H, Schulte-Holthausen H, Klein G, Henle W, Henle G, Clifford P and Santesson L (1970). EBV DNA in biopsies of Burkitt tumours and anaplastic carcinomas of the nasopharynx. *Nature*, **228**, 1056-8.