

REFERENCES

- Anderson D, Yu TW, Dobrzynska MM, Ribas G, Marcos R. Effect in the comet assay of storage conditions on human blood. *Teratogenesis, Carcinogenesis, and Mutagenesis.* 1997; 17: 115-125.
- Andreoli C, Leopardi P, Crebelli R. Detection of DNA damage in human lymphocyte by alkaline single cell gel electrophoresis after exposure to benzene or benzene or benzene metabolites. *Mutation Research.* 1997; 377: 95-104.
- Anwar WA. (1994). *Monitoring of human populations at risk by different Cytogenetic end points* [Online]. Available:
<http://ehp.niehs.nih.gov/members/1994/Suppl-4/anwar-full.html>
[2004, May 25].
- Brooker RJ. (2005). Chromosome organization and molecular structure. in *Genetics, Analysis & Principles*, 2nd ed. (pp. 254-278), New York: McGraw-Hill Companies.
- Carere A, Antoccia A, Cimini D, Crebelli R, Degrassi F, Leopardi P, Marcon F, Sgura A, Tanzarella C, Zijno A. Genetic effects of petroleum fuels: II. analysis of chromosome loss and hyperploidy in peripheral lymphocytes of gasoline station attendants. *Environment and Molecular Mutagenesis.* 1998; 32: 130-138.
- Celik A, Akbas B. Evaluation of sister chromatid exchange and chromosomal aberration frequencies in peripheral blood lymphocytes of gasoline attendants. *Ecotoxicology and Environmental Safety.* 2005; 60: 106-112.

Chung HW, Kim SY. Detection of chromosome-specific aneusomy and translocation by benzene metabolites in human lymphocytes using fluorescence *in situ* hybridization with DNA probes for chromosomes 5, 7, 8, and 21. *Journal of Toxicology and Environmental Health, Part A.* 2002; 65: 365-372.

Fatima SK, Prabhavathi PA, Padmavathi P, Reddy PP. Analysis of chromosomal aberrations in men occupationally exposed to cement dust. *Mutation Research.* 2001; 490: 179-186.

Faust F, Kassie F, Knasmuller S, Boedecker RH, Mann M, Mersch-Sunderman V. The use of the alkaline comet assay with lymphocytes in human biomonitoring studies. *Mutation Research.* 2004; 566: 209-229.

Forni A. Benzene-induced chromosome aberrations: A follow-up study. *Environmental Health Perspectives.* 1996; 104(6): 1309-1312.

Gontijo AM de M, Elias FN, Salvadori D, Oliveira L, Correa LA, Goldberg J, Trindade JC, Camargo JL. Single-cell gel (Comet) assay detects primary DNA damage in nonneoplastic uroepithelial cells of smokers and ex-smokers. *Cancer Epidemiology, Biomarkers & Prevention.* 2001; 10: 987-993.

Garaj-Vrhovac V, Zeljezic D. Comet assay in the assessment of the human genome damage induced by gamma radiation *in vitro*. *Radiol Oncol.* 2004; 38(1): 43-7.

Hagmar L, Stromberg U, Bonassi S, Hansteen IL, Knudsen LE, Lindholm C, Norppa H. (2004). *Impact of types of lymphocyte chromosomal aberrations on human cancer risk* [Online]. Available: <http://cancerres.aacrjournals.org/cgi/content/full/64/6/2258.html> [2005, November 21].

- Liou SH, Lung JC, Chen YH, Yang T, Hsieh LL, Chen CJ, Wu TN. (1999). *Increased chromosome-type chromosome aberration frequencies as biomarkers of cancer risk in a blackfoot endemic area* [Online]. Available: <http://cancerres.aacrjournals.org/cgi/content/full/59/7/1481.html> [2005, November 21].
- Kasuba V, Rozgaj R, Sentija K. Cytogenetic changes in subjects occupationally exposed to benzene. *Chemosphere*. 2000; 40: 307-310.
- Martino-Roth MG, Viegas J, Roth DM. Occupational genotoxicity risk evaluation through the comet assay and the micronucleus test. *Genetics and Molecular Research*. 2003; 2(4): 410-417.
- Mokmued P. *Effect of total suspended particles on pulmonary function and their Toxicity to DNA of inhabitants from heavy traffic area in Chiang Mai*. Thesis for Master of Science, Chiang Mai University, 2004.
- Rahman MH, Arslan MI, Chen Y, Ali S, Parvin T, Wang LW, Santella RM, Ahsan H. (2003). *Polycyclic aromatic hydrocarbon-DNA adducts among rickshaw drivers in Dhaka city, Bangladesh* [Online]. Available: <http://www.springerlink.com/media/N49BCY7GLKCQUMHP9G7T.html> [2004, August 16].
- Rooney DE. (2001). In vivo mutagen-induced chromosome damage in human lymphocytes. in *Human Cytogenetics, malignancy and acquired abnormalities*, 3th ed. (pp. 205-226), Oxford, New York: Oxford University Press.
- Rothman N, Bechtold WE, Yin SN, Dosemeci M, Li GL, Wang YZ, Griffith WC, Smith MT, Hayes RB. Urinary excretion of phenol, catechol, hydroquinone, and Muconic acid by workers occupationally exposed to benzene. *Occup Environ Med*. 1998; 55: 705-711.

Schoket B. DNA damage in humans exposed to environmental and dietary polycyclic aromatic hydrocarbons. *Mutation Research.* 1999; 424: 143-153.

Thompson MW, McInnes RR, Willard HF. (2004). The Human Genome: Structure and Function of Genes and Chromosome. in *Genetics in Medicine*, 6th ed. (pp. 17-32), Philadelphia: W.B. Saunders Company.

Tice RR, Agurell E, Anderson D, Burlinson B, Hartman A, Kobayashi H, Miyamae Y, Rojas E, Ryu JC, Sasaki YF. Single cell gel/comet assay: guidelines for in vitro and in vivo genetic toxicology testing. *Environment and Molecular Mutagenesis.* 2000; 35: 206-221.

Tompa A, Jakab MG, Major J. Risk management among benzene-exposed oil refinery workers. *Int. J. Hyg. Environ.-Health.* 2005; 208: 509-516.

Tunca BT, Egeli U. (1996). *Cytogenetic findings on shoe workers exposed long term to benzene* [Online]. Available: <http://ehp.niehs.nih.gov/docs/1996/Suppl-6/tunca.html> [2004, August 10].

Venitt S, Parry JM. (1984). Assays for the detection of chemically-induced chromosome damage in cultured mammalian cells. in *Mutagenesis testing, a practical approach.* (pp. 187-232), Oxford, England: IRL Press Limited.

Vinitketkumnuen U, Kalayanamitra K, Chewonarin T, Kamens R. *Particulate matter, PM 10 & PM 2.5 levels, and airborne mutagenicity in Chiang Mai, Thailand* [Online]. Available: <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd.html> [2006, Febuary 13].

Waidyanatha S, Rothman N, Fustinoni S, T.Smith M, B.Hayes R, Bechtold W, Dosemeci M, Guilan L, Yin S, M.Rappaport S. Urinary benzene as a biomarker of exposure among occupationally exposed and unexposed subjects. *Carcinogenesis.* 2001; 22(2): 279-286.

Yadav JS, Seth N. Cytogenetical damage in petrol pump workers. *IJHG*. 2001; 1(2): 145-150.

Zhu CQ, Lam TH, Jiang CQ, Wei BX, Lou X, Liu WW, Loa XQ, Chen YH.

Lymphocyte DNA damage in cigarette factory workers measured by the comet assay. *Mutation Research*. 1999; 444: 1-6.

Zhu CQ, Lam TH, Jiang CQ. Lymphocyte DNA damage in bus manufacturing Workers. *Mutation Research*. 2001; 491: 173-181.

Zeljezic D, Garaj-Vrhovac V. Chromosomal aberration and single cell gel electrophoresis (comet) assay in the longitudinal risk assessment of occupational exposure to pesticides. *Mutagenesis*. 2001; 16(4): 359-363.

Zhang L, Rothman N, Wang Y, Hayes RB, Yin S, Titenko-Holland N, Dosemeci M, Wang YZ, Kolachana P, Lu w, Xi L, Li GL, Smith MT. Benzene increases aneuploidy in the lymphocytes of exposed workers: a comparison of data obtained by fluorescence in situ hybridization in interphase and metaphase cells. *Environmental and Molecular Mutagenesis*. 1999; 34: 260-268.

ชนินพร ปวนอินตา. “ผลของแอลเอนเนท ทามารอน และฟร่าดานต์อคีเอ็นเอกองม努ย์โดยวิธีประเมิน ความผิดปกติของโครโนไมโชนและโคม็อกออสเตรล”. วิทยานิพนธ์วิทยาศาสตร์มหาบัณฑิต (กายวิภาคศาสตร์) คณะแพทยศาสตร์ มหาวิทยาลัยเชียงใหม่, 2543.

สุวนิตย์ ทองหนุน. “การเกิดไนโตรนิวเคลียสในเซลล์เม็ดเลือดขาวชนิดลิมโฟไซต์โดยการเหนี่ยว นำของตะกั่ว แคลเมียมและอนุภาครุ่นในอากาศ จังหวัดเชียงใหม่”. วิทยานิพนธ์วิทยาศาสตร์ มหาบัณฑิต (พิษวิทยา) คณะแพทยศาสตร์ มหาวิทยาลัยเชียงใหม่, 2547.

สำนักงานเขตส่งจังหวัดเชียงใหม่. (2547). สถิติรายต่อปีตาม พรบ. รถยนต์ 2542-2546 [ระบบออนไลน์]. แหล่งที่มา <http://www.dlt.go.th/chiangmai/index.php> (26 สิงหาคม 2547).

สำนักงานสถิติแห่งชาติ. (2543). สถิติประชากรและเคหะ [ระบบออนไลน์]. แหล่งที่มา http://www.nso.go.th/thai/stat/stat_23/toc_1.html (26 สิงหาคม 2547).

อำนวย มีเวที. (2548). Chromosome aberration and micronucleus test. ใน ชุดพัฒนาศาสตร์ของมนุษย์ (หน้า 58-67), ภาควิชากายวิภาคศาสตร์ คณะแพทยศาสตร์ มหาวิทยาลัยเชียงใหม่.

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