

REFERENCES

- Amadeo S, Abbar M, Fourcade ML, Waksman G, Leroux MG, Madec A, et al. D2 dopamine receptor gene and alcoholism. *J Psychiatr Res.* 1993; 27: 173-9.
- Amorim P, Lecrubier Y, Weiller E, Hergueta T, Sheehan D: DSM-III-R Psychotic Disorders: procedural validity of the Mini International Neuropsychiatric Interview (M.I.N.I). Concordance and causes for discordance with the CIDI. *Eur. Psychiatry.* 1998; 13:26-34.
- Andreasen NC, Black DW. *Introductory Text Book of Psychiatry.* 4th Edition. Washington DC. American Psychiatric Publishing Inc. 2006: 233-45.
- Arinami T, Itokawa M, Komiyama T, Mitsushio H, Mori H, Mifune H, et al. Association between severity of alcoholism and the A1 allele of the dopamine D2 receptor gene *TaqI* A RFLP in Japanese. *Biol Psychiatry.* 1993; 33: 108-14.
- Bear MF, Connors BW, Paradiso MA. *Neuroscience: Exploring the brain.* Maryland. Lippincott Williams & Wilkins. 2007:501-58; 522-31.
- Bhoopat T and Tasuya W. *Standard Operation Procedure for DNA Analysis for forensic medicine.* Chiangmai. Department of Forensic Medicine. Faculty of Medicine. Chiangmai University. 2006
- Blum K, Noble EP, Sheridan PJ, Montgomery A, Ritchie T, Jagawadeeswaran P, et al. Allelic association of human dopamine D2 receptor gene in alcoholism. *JAMA.* 1990; 263: 2055-60.

- Blum K, Noble EP, Sheridan PJ, Finley O, Montgomery A, Ritchie T, et al. Association of the A1 allele of the D₂ dopamine receptor gene with severe alcoholism. *Alcohol*. 1991; 8: 409-16.
- Bohman M, Sigvardsson S, Cloninger CR. Maternal inheritance of alcohol abuse. Cross-fostering analysis of adopted women. *Arch Gen Psychiatry*. 1981; 38: 965-9.
- Browning KS, Lax SR, Humphreys J, Ravel JM, Jobling SA, Gehrke L. Evidence that the 5'-untranslated leader of mRNA affects the requirement for wheat germ initiation factors 4A, 4F and 4G. *J. Biol. Chem*. 1988; 263: 9630-4.
- Chandler LJ. Ethanol and brain plasticity: receptor and molecular networks of the postsynaptic density as targets of ethanol. *Pharmacology & Therapeutics*. 2003; 99: 311-26.
- Chen WJ, Lu ML, Hsu YP, Chen CC, Yu JM, Cheng A. Dopamine D2 receptor gene and alcoholism among four Aboriginal groups and Han in Taiwan. *American Journal of Medical Genetics (Neuropsychiatric Genetics)*. 1997; 74: 129-36.
- Cloninger CR, Bohman M, Sigvardsson S. Inheritance of alcohol abuse. Cross-fostering analysis of adopted men. *Arch. Gen. Psychiatry*. 1981; 38: 861-8.
- Cloninger CR. D2 dopamine receptor gene is associated but not linked with alcoholism. *JAMA*. 1991; 266: 1833-4.
- Cloninger CR. The Psychobiological regulation of social cooperation. *Nat. Med*. 1995; 1: 623-4.
- Comings DE, Comings BG, Muhleman D, Dietz G, Shahbahrani B, Tost D, et al. The dopamine D2 receptor locus as a modifying gene in neuropsychiatric disorders. *JAMA*. 1991; 26: 1793-800.

- Connor JP, Young R.McD, Lawford BR, Ritchie TL, Noble EP. D2 dopamine receptor (DRD2) polymorphism is associated with severity of alcohol dependence. *Eur Psychiatry*. 2002; 17: 17-23.
- Connor JP, Young R. McD, Saunders JB, Lawford BR, Ho R, Ritchie TL, et al. The A1 allele of D2 dopamine receptor gene region, alcohol expectancies and drinking refusal self-efficacy are associated with alcohol dependence severity. *Psychiatry Res*. 2008; 160: 94-105.
- Cotton NS. The familial incidence of alcoholism: a review. *J Stud Alcohol*. 1979; 40: 89–116.
- Davidson R. Assessment of the alcohol dependence syndrome: A review of self-report screening questionnaires. *British Journal of Addiction*. 1986; 26: 243-55.
- Dawe S, Loxton N, Hides L, Kavanagh D, Matrick R. Review of diagnostic screening instruments for alcohol and other drug use and other psychiatric disorders. 2nd Edition. August 2002.
- Dick DM, Foroud T. Candidate genes for alcohol dependence: a review of genetic evidence from human studies. *Alcohol. Clin. Exp. Res*. 2003; 27: 868-79.
- Dick DM, Wang JC, Plunkett J, Aliev F, Hinrichs A, Bertelsen S, et al. Family-based association analyses of alcohol dependence phenotypes across *DRD2* and neighboring gene *ANKK1*. *Alcohol Clin Exp Res*. 2007; 31(10): 1645-53.
- Edenberg HJ, Kranzler HR. The contribution of genetics to addiction therapy approaches. *Pharmacology & Therapeutics*. 2005; 108: 86-93.

- Ee Heok K, Soo Meng K, Cheong Sung T, Yeo B, Halstead S, Mahendran R. A follow-up study of asian problem drinkers. *British Journal of Addiction*. 1990; 85: 1261-4.
- Gabriel SB, Schaffner SF, Nguyen H, Moore JM, Roy J, Blumenstiel B, et al. The structure of haplotype blocks in the human genome. *Science*. 2002; 296: 2225-9.
- Grandy DK, Zhang Y, Civelli O. PCR detection of the TaqA RFLP at the DRD2 locus. *Human Molecular Genetics*. 1993; 2(12): 2197.
- Gelernter J, O' Malley S, Risch N, Kranzler HR, Krystal J, Merikangas K, Kennedy JL, Kidd KK. No association between an allele at the D2 dopamine receptor gene (DRD2) and alcoholism. *JAMA*. 1991; 266(13): 1801-7.
- Heath AC, Bucholz KK, Madden PA, Dinwiddie SH, Slutske WS, Bierut LJ. Genetic and environmental contributions to alcohol dependence risk in a national twin sample: consistency of findings in women and men. *Psychol Med*. 1997; 27: 1381-96.
- Ishiguro H, Arinami T, Saito T, Akazawa S, Enomoto M, Mitsushio H, et al. Association study between the -141C Ins/Del and *TaqI* A polymorphisms of the dopamine D2 receptor gene and alcoholism. *Alcohol. Clin. Exp. Res*. 1998; 22: 845-8.
- Kabnick KS, Housman DE. Determinants that contribute to cytoplasmic stability of human *c-fos* and β -globin mRNAs are located at several sites in each mRNA. *Mol. Cell. Biol*. 1988; 8: 3244-50.

- Kaplan HI, Sadock BJ, Grebb JA. Kaplan and Sadock's Synopsis of psychiatry: Behavioral Science Clinical Psychiatry. Maryland. Williams & Wilkins. 1994:396-410.
- Kelada SN, Eaton DL, Wang SS. The role of genetics polymorphisms in environmental health. Environ Health Perspect. 2003; 111: 1055-64.
- Kendler KS, Neale MC, Heath AC, Kessler RC, Eaves LJ. A twin-family study of alcoholism in women. Am J Psychiatry. 1994; 151: 707-15.
- Kim O, Baik S. Alcohol consumption, cigarette smoking and subjective health in Korean elderly men. Addictive Behaviors. 2004; 29: 1595-1603.
- Kittirattanapaiboon P and Khamwongpin M. The validity of the Mini International Neuropsychiatric Interview (M.I.N.I)-Thai version. Journal of Mental Health of Thailand. 2005; 13(3): 125-35.
- Kohnke MD. Approach to the genetics of alcoholism: A review based on pathophysiology. Biochem. Pharm. 2008; 75: 160-77.
- Kono Y, Yoneda H, Sakai T, Nonomura Y, Inayama Y, Koh J, et al. Association between early-onset alcoholism and the dopamine D2 receptor gene. American Journal of Medical Genetics (Neuropsychiatric Genetics). 1997; 74: 179-82.
- Korpi ER, Sinclair JD, Malminen O. Dopamine D2 receptor binding in striatal membranes of rat lines selected for differences in alcohol-related behaviours. Pharmacol. Toxicol. 1987; 61: 94-7.
- Kuikka JT, Repo E, Bergstrfm KA, Tupala E, Tiihonen J. Specific binding and laterality of human extrastriatal dopamine D2/D3 receptors in late onset type 1 alcoholic patients. Neurosci. Lett. 2000; 292: 57-9.

Lawford BR, Young RM, Rowell JA, Gibson JN, Feeney GFX, Ritchie TL, et al.

Association of the dopamine receptor A1 allele with alcoholism: medical severity of alcoholism and type of controls. *Biological Psychiatry*. 1997; 41: 386-93.

Lecrubier Y, Sheehan DV, Weiller E, Amorim P, Bonora I, Sheehan KH. The Mini-International Neuropsychiatric Interview (M.I.N.I.), a short diagnostic structured interview: Reliability and validity according to the CIDI. *Eur Psychiatry*. 1997; 12: 224-31.

Lu RB, Ko HC, Chang FM, Castiglione CM, Schoolfield G, Pakstis AJ, Kidd JR, Kidd KK. No association between alcoholism and multiple polymorphisms at the dopamine D2 receptor gene (DRD2) in three distinct Taiwanese populations. *Society of Biological Psychiatry*. 1996; 39: 419-29.

Luo HR, Hou ZF, Wu J, Zhang YP, Yvonne Wan YJ. Evolution of the *DRD2* gene haplotype and its association with alcoholism in Mexican American. *Alcohol*. 2005; 36: 117-25.

Markianos M, Moussas G, Lykouras L, Hatzimanolis J. Dopamine receptor responsivity in patients before and after detoxification. *Drug and alcohol dependence*. 2000; 57: 261-5.

McGue M. The behavioral genetics of alcoholism. *Curr Directions Psychol Sci* 1999; 8: 109-15.

Moroy T, Heyd F. The impact of alternative splicing in vivo: Mouse models show the way. *RNA*. 2007; 13: 1155-71.

Namkoong K, Cheon KA, Kim JW, Jun JY, Lee JY. Association study of dopamine D2, D4 receptor gene GABAA receptor β subunit gene, serotonin transporter

gene polymorphism with children of alcoholics in Korea: A preliminary study. *Alcohol*. 2008; 42: 77-81

Neiswanger K, Hill SY, Kaplan BB. Association and linkage studies of *Taq I* A1 allele at the dopamine D2 receptor gene in samples of female and male alcoholics. *American Journal of Medical Genetics*. 1995; 60(4): 267-71.

Neville MJ, Johnstone EC, Walton RT. Identification and characterization of ANKK1: a novel kinase gene closely linked to DRD2 on chromosome band 11q23.1. *Hum Mutat*. 2004; 23(6): 540-5.

Noble EP, Blum K, Ritchie T, Montgomery A, Sheridan PJ. Allelic association of the D2 dopamine receptor gene with receptor-binding characteristics in alcoholism. *Archives of General Psychiatry*. 1991; 48: 648-54.

Noble EP. The D2 dopamine receptor gene: a review of association studies in alcoholism and phenotypes. *Alcohol*. 1998a; 16: 33-45.

Noble EP, Zhang X, Ritchie T, Lawford B, Grosser S, Young R, *et al*. D2 dopamine receptor and GABA A receptor $\beta 3$ subunit genes and alcoholism. *Psychiatry research*. 1998b; 81: 133-47.

Noble EP, Zhan X, Ritchie TL, Sparks RS. Haplotypes at the DRD2 locus and severe alcoholism. *Am J Med Genet*. 2000; 96: 622-31.

Parsian A, Todd RD, Devor EJ, O'Malley KL, Suarez BK, Reich T, *et al*. Alcoholism and alleles of the human D2 dopamine receptor locus. Studies of association and linkage. *Arch Gen Psychiatry*. 1991; 48: 655-63.

Pickens RW, Svikis DS, McGue M, Lykken DT, Heston LL, Clayton PJ. Heterogeneity in the inheritance of alcoholism: a study of male and female twins. *Arch Gen Psychiatry*. 1991; 48: 19-28.

- Ponce G, Hoenicka J, Jimenez-Arriero MA, Rodriguez-Jimenez R, Aragues M, Martin-Sune N. et al. *DRD2* and *ANKK1* genotype in alcohol-dependent patients with psychopathic traits: association and interaction study. *The British Journal of Psychiatry*. 2008; 193: 121-5.
- Samochowiec J, Ladehoff M, Pelz J, Smolka M, Schmidt LG, Rommelspacher H, et al. Predominant influence of the 3'-region of dopamine D2 receptor gene (*DRD2*) on the clinical phenotype in German alcoholics. *Pharmacogenetics*. 2000; 10: 471-5.
- Samochowiec J, Kucharska-Mazur J, Grzywacz A, Jablonski M, Rommelspacher H, Samochowiec A, et al. Family-based and case-control study of *DRD2*, *DAT*, *5HTT*, *COMT* genes polymorphisms in alcohol dependence. *Neuroscience Letters*. 2006; 410: 1-5.
- Sheehan DV, Lecrubier Y, Sheehan KH, Amorim P, Janavs J, Weiller E. The Mini-International Neuropsychiatric Interview (M.I.N.I.): The development and validation of a structured diagnostic psychiatric interview for DSM-IV and ICD-10. *J Clin Psychiatry*. 1998; 59 (20suppl): 22-33.
- Sheehan DV, Lecrubier Y, Sheehan KH, Janavs J, Weiller E, Bonora LI. The validity of the Mini-International Neuropsychiatric Interview (M.I.N.I.) according to the SCIDP and its reliability. *Eur Psychiatry*. 1997; 12: 232-41.
- Srisurapanont M, Disayavanish P, Disayavanish C. Measures in Psychiatry: User's Guide. *J Psychiatr Assoc Thailand*. 2001; 46(2): 127-36.
- Stefanini E, Frau M, Garau MG, Fadda F, Gessa GL. Alcohol-preferring rats have fewer dopamine D2 receptors in the limbic system. *Alcohol Alcohol*. 1992; 27: 127-30.

Stockwell T, Sitharthan T, McGrath D, Lang E. The measurement of alcohol dependence and impaired control in community samples. *Addiction*. 1994; 89: 167-74.

Stockwell T, Murphy D, Hodgson R. The severity of alcohol dependence questionnaire: Its use, reliability and validity. *British Journal of Addiction*. 1983; 78: 145-55.

Tupala E, Tiihonen J. Dopamine and alcoholism: neurobiological basis of ethanol abuse. *Prog. Neuropsychopharmacol. Biol. Psychiatry*. 2004; 28: 1221-47.

Uhl GR, Persico AM, Smith SS. Current excitement with D2 dopamine receptor gene alleles in substance abuse. *Archives of General Psychiatry*. 1992; 49: 157-60.

Volkow ND, Wang GJ, Fowler JS, Logan J, Hitzemann R, Ding YS, et al. Decreases in dopamine receptor but not in dopamine transporters in alcoholics. *Alcohol Clin Exp Res*. 1996; 20: 1594-8.

Volkow ND, Wang GJ, Maynard L, Fowler JS, Jayne B, Telang F, et al. Effect of alcohol detoxification on dopamine D2 receptors in alcoholics: a preliminary study. *Psychiatry Res*. 2002; 116: 163-72.

Wada K, Price RK, Fukui S. Reflecting adult drinking culture: prevalence of alcohol use and drinking situations among Japanese junior high school students in Japan. *Journal of Studies on Alcohol*. 1998; 59: 381-6.

World Health Organization (WHO). WHO Global status report on alcohol 2004.

[Online]. Available :

http://www.who.int/substance_abuse/publications/en/thailand.pdf

[2008, February 20]

Zering G, Saria A, Kurz M. Handbook of alcoholism. New York. CRC Press. 2000.

บัณฑิต ศรีไพศาล. การบริโภคเครื่องดื่มแอลกอฮอล์ในประเทศไทย. วารสารคลินิก 2549; 22:

7-13. [online]. Available : <http://203.157.56.1/news/view.asp?id=998>

[2008, March 28]

ศูนย์วิจัยปัญหาสุรา. 2548. คนไทยกับเหล้า.

[online]. Available : http://www.cas.or.th/data/article/article_005.pdf

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