

เอกสารอ้างอิง

นวลฉวี ไยบัวเทศ, นวลศรี กาญจนกุล, วินัย สมบูรณ์ ตะกั่วในดินในกรุงเทพมหานคร
รายงานการสัมมนาวิชาการ เรื่องปัญหาโลหะของโลหะหนักในสิ่งแวดล้อมใน
ประเทศไทย กทม. : โรงพิมพ์จุฬาลงกรณ์มหาวิทยาลัย, 2521.

เปี่ยมศักดิ์ เมนะเศวต, วรวิทย์ ชิวาภรณ์ภักดิ์ และ มณี เศรษฐบุตร การเปรียบเทียบ
ปริมาณตะกั่วในเส้นผมของคนในชนบทกับคนในกรุงเทพฯ รายงานผลงานวิจัย
คณะวิทยาศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย กทม : โรงพิมพ์จุฬาลงกรณ์มหาวิทยาลัย
2523.

เพริศพรหม คณาธรรมา, ณัชสุดา เรื่องรุจิระ, อุษา บำรุงพีช ปัญหาโลหะหนักในอากาศทั่วไป
ในกรุงเทพมหานคร รายงานการสัมมนาวิชาการเรื่องปัญหาโลหะของโลหะหนักใน
สิ่งแวดล้อมในประเทศไทย กทม : โรงพิมพ์จุฬาลงกรณ์มหาวิทยาลัย, 2521.

ศึกษา ภมรสติย์, อุบลรัตน์ สุนคนธมาน, วรวิทย์ ทัตตากร และ ภิรมย์ กมลรัตนกุล
"การศึกษาปริมาณตะกั่วในเลือดและปัสสาวะของคนที่อยู่ชดถนนใหญ่ในกรุงเทพฯ"
วารสารวิจัยสภาวะแวดล้อม จุฬาลงกรณ์มหาวิทยาลัย, 3(2524):102-122.

สุรพล สุตารา "ปัญหาตะกั่วเป็นพิษ" จุลสารสมาคมศิษย์เก่าแพทย์จุฬาลงกรณ์ 1(5):21-
24, 2520.

Adlard, B.P.F., Dobbing, J. and Smart, J.L. "Undernutrition and the
development of certain enzymes in rat brain." Biochem J.
119 (1970) : 46.

Alessio, L., Castoldi, M.R., Odone, P. and Franchini, I. "Behaviour
of indicators of exposure and effect after cessation of
occupational exposure to lead." Br.J.Ind.Med. 38(1981) : 262-
267.

- Alfano, D.P. and Petit, T.L. "Neonatal lead exposure alters the dendritic development of hippocampal dentate granule cells." Exp. Neurology, 75 (1982) : 275-288.
- Alfano, D.P., LeBoutillier, J.C. and Petit, T.L. "Hippocampal mossy fiber pathway development in normal and postnatally lead-exposed Rats." Exp. Neurology. 75 (1982) : 308-319.
- Angell, N.F. and Lavery, J.P. "The relationship of blood lead levels to obstetric outcomes." Am.J.Obstet. Gynecol. 142 (1982) : 40-46.
- Angle, C.R. and McIntire, M.S."Lead poisoning during pregnancy." Am. J. Dis. Child. 108 (1964) : 436-439.
- Aungst, B.J. and Fung, H-L. "Kinetic characterization of in vivo lead transport across the rat small intestine." Toxicol Appl. Pharmacol. 61 (1981) : 39-47.
- Barry, P.S. "A comparison of concentrations of lead in human tissues." Br.J.Ind.Med. 32 (1975) : 119-139.
- Berk, P.D., Tschudy, D.P., Shepky, L.A., Waggoner, J.G. and Berlin, N.I." Hematologic and biochemical studies in a case of lead poisoning." Amer. J. Med. 48 (1970) : 137-143.
- Brown, D.R. "Neonatal lead exposure in the rat : decreased learning as a function of age and blood lead concentration." Toxicol. Appl. Pharmacol. 32 (1975) : 628-637.
- Browne, R.C., Ellis, R.W. and Weightman, D. "Inter-laboratory variation in measurement of blood-lead levels." Lancet. 9 (1974) : 1112-1115.
- Byers,R.K. "Lead poisoning" Pediatrics. (1959) : 585-603.

- Casarett, L.J. and Doull, J. (eds). Toxicologic evaluation in Toxicology : The Basic Science of Poisons, Macmillan Publishing Co., New York, 1975.
- Chisolm, J.J., Barrett, M.B. and Mellits, E.D. "Dose-effect and dose-response relationship for lead in children." J. Pediatr 87 (1975) : 1152-1160.
- Clasen, R.A., Hartmann, J.F., Starr, A.J., Coogan, P.S., Pandolfi, S., Laing, I., Beeker, R. and Hass, G.M. "Electron microscopic and chemical studies of the vascular changes and edema of lead encephalopathy." Am. J. pathol. 74 (1974) : 215-233.
- Dilts, P.V. and Ahokas, R.A. "Effects of dietary lead and zinc on pregnancy." Am. J. Obstet. Gynecol. 135 (1979) : 940-946.
- Durham, D. and Woolsey, T.A. "Acute whisker removal reduces neuronal activity in barrels of mouse SmI cortex." J. Comp. Neurol 178 (1978) : 629-644.
- Goldstein, G.W. "Lead encephalopathy : the significance of lead inhibition of calcium uptake by brain mitochondria." Brain Research 136 (1977) : 185-188.
- Golter, M. and Michaelson, I.A. "Growth, behavior, and brain catecholamines in lead exposed neonatal rats : a reappraisal." Science. 187 (1975) : 359-361.
- Graef, J.W., Kopito, L. and Shwachman, H. "Lead intoxication in children, diagnosis and treatment." Postgrad. Med. 50 (1971) : 133-138.
- Harris, P. and Holley, M.R. "Lead levels in cord blood." Pediatrics. 49(1972) : 606-608.

- Harris, R.M. and Woolsey, T.A. "Dendritic plasticity in mouse barrel cortex following postnatal vibrissa follicle damage." J. Comp. Neurol. 196 (1981) : 357-376.
- Harris, R.M. and Woolsey, T.A. "Morphology of Golgi-impregnated neurons in mouse cortical barrels following vibrissae damage at different post-natal ages." Brain Research 161 (1979) : 143-149.
- Harvey, S.C. Heavy metals. in The pharmacological basis of therapeutics. (Goodman, L.S. and Gillman, A., eds) 5 th ed., pp. 932-942, Macmillan, New York, 1975.
- Hessel, D.W. "A simple and rapid quantitative determination of lead in blood." Atomic Absorption Newsletter. 7 (1968) : 55-56.
- Ito, M. and Seo, M.L. "Avoidance of neonatal cortical lesions by developing somatosensory barrels." Nature. 301 (1983) : 600-602.
- Karai, I., Fukumoto, K. and Horiguchi, S. "Mechanism of increased osmotic resistance of red cells in workers exposed to lead." Br. J. Indus. Med. 39 (1982) : 153-156.
- Killackey, H.P., Ivy, G.O. and Cunningham, T.J. "Anomalous organization of SMI somatotopic map consequent to vibrissae removal in the newborn rat." Brain Resarch. 155 (1978) : 136-140.
- Killackey, H.P. and Leshin, S. "The organization of specific thalamocortical projections to the posteromedial barrel subfield of the rat somatic sensory cortex." Brain Research 86 (1975) : 469-472.

- Kishi, R., Ikeda, T., Miyake, M., Uchino, E., Tsuzuki, T. and Inoue, K. "Effects of low lead exposure on neuro-behavioral function in the rat." Arch. Environ. Health. 38 (1983) : 25-32.
- Kostial, K. and Momcilovic, B. "Transport of lead 203 and calcium 47 from mother to offspring." Arch. Environ. Health. 29 (1974) : 28-30.
- Krigman, M.R., Druse, M.J., Traylor, T.D., Wilson, M.H., Newell, L.R. and Hogan, E.L. "Lead encephalopathy in the developing rat : effect on cortical ontogenesis." J. Neuropathol. Exp. Neurol. 33 (1974 a) : 671-686.
- Krigman, M.R., Druse, M.J., Traylor, T.D., Wilson, M.H., Newell, L.R. and Hogan, E.L. "Lead encephalopathy in the developing rat : effect upon myelination." J. Neuropathol. Exp. Neurol. 33 (1974 b) : 58-73.
- Kristt, D.A. "Development of neocortical circuitry : histochemical localization of acetylcholinesterase in relation to the cell layers of rat somatosensory cortex." J. Comp. Neurol 186 (1979) : 1-16.
- Lampert, P.W. and Schochet, S.S. "Demyelination and remyelination in lead neuropathy." J. Neuropathol. Exp. Neurol. 27 (1968) : 527-548.
- Lefauconnier, J.M., Hauw, J.J. and Bernard, G. "Regressive or lethal lead encephalopathy in the suckling rat correlation of lead levels and morphological findings." J. Neuropathol. Exp. Neurol. 42 (1983) : 177-190.

- Lefauconnier, J.M., Lavielle, E., Terrien, N., Bernard, G. and Fournier, E. "Effect of various lead doses on some cerebral capillary functions in the suckling rat." Toxicol. Appl. Pharmacol. 55 (1980) : 467-476.
- Levine, R.J., Moore, R.M., McLaren, G.D., Barthel, W.F. and Landrigan, P.J. "Occupational lead poisoning, animal deaths, and environmental contamination at a scrap smelter." AJPH. 66(1976) : 548-552.
- Lidov, H.G.W., Rice, F.L. and Molliver, M.E. "The organization of the catecholamine innervation of somatosensory cortex : the barrel field of the mouse." Brain Research 153 (1978) : 577-584.
- Louis-Ferdinand, R.T., Brown, D.R., Fiddler, S.F., Daughtrey, W.C and Klein, A.W. "Morphometric and enzymatic effects of neonatal lead exposure in the rat brain." Toxicol. Appl. Pharmacol. 43(1978) : 351-360.
- Mahaffey, K.R., Caper, S.G., Gladen, B.C. and Fowler, B.A. "Concurrent exposure to lead, cadmium, and arsenic." J. Lab. Clin. Med. 98 (1981) : 463-477.
- McClain, R.M. and Beeker, B.A. "Teratogenicity, fetal toxicity, and placental transfer of lead nitrate in rats." Toxicol. Appl. Pharmacol. 31 (1975) : 72-82.
- Michaelson, I.A. "Effects of inorganic lead on RNA, DNA and protein content in the developing neonatal rat brain." Toxicol. Appl. Pharmacol. 26 (1973) : 539-548.
- Michaelson, I.A. and Sauerhoff, M.W. "An improved model of lead induced brain dysfunction in the suckling rat." Toxicol. Appl. Pharmacol. 28 (1974) : 88-96.
- Millar, J.A., Battistini, V., Cumming, R.L.C., Carswell, F. and Goldberg, A. "Lead and δ -aminolaevulinic acid dehydratase levels in mentally retarded children and in lead-poisoned sucking rats." Lancet. 3 (1970) : 695-698.

- Minsker, D.H., Moskalski, N., Peter, C.P., Robertson, R.T. and Bokelman, D.L. "Exposure of rats to lead nitrate in utero or postpartum; effects on morphology and behavior." Biol. Neonate. 41 (1982) : 193-203.
- Modak, A.T., Weintraub, S.T. and Stavinoha, W.B. "Effect of chronic ingestion of lead on the central cholinergic system in rat brain regions." Toxicol. Appl. Pharmacol. 34 (1975) : 340-347.
- Nielsen, T., Jensen, K.A. and Grandjean, P. "Organic lead in normal human brains." Nature. 274 (1978) : 602-603.
- Niklowitz, W.J. "Neurofibrillary changes after acute experimental lead poisoning." Neurology. 25 (1975) : 927-934.
- Ohnishi, A. and Dyck, P.J. "Retardation of Schwann cell division and Axonal regrowth following nerve crush in experimental lead neuropathy." Ann. Neurol. 10 (1981) : 469-477.
- Osheroff, M.R., Uno, M. and Bowman, R.E. "Lead inclusion bodies in the Anterior Horn cells and neurons of the Substantia Nigra in the adult rhesus monkey." Toxicol. Appl. Pharmacol. 64 (1982) : 570-576.
- Overmann, S.R. "Behavioral effects of asymptomatic lead exposure during neonatal development in rats." Toxicol. Appl. Pharmacol. 41 (1977) : 459-471.
- Pasternak, J.F. and Woolsey, T.A. "The number, size and spatial distribution of neurons in lamina IV of the mouse SmI neocortex." J. Comp. Neur. 160 (1975) : 291-306.
- Pentschew, A. "Morphology and morphogenesis of lead encephalopathy." Acta Neuropathol. 5 (1965) : 133-160.

- Petit, T.L. and LeBoutillier, J.C. "Effects of lead exposure during development on neocortical dendritic and synaptic structure." Exp. Neurol. 64 (1979) : 482-492.
- Piomelli, S., Seaman, C., Zullo, D., Curran, A. and Davidow, B. "Threshold for lead damage to heme synthesis in urban children." Proc. Natl. Acad. Sci. USA. 79 (1982) : 3335-3339.
- Rader, J.I., Celesk, E.M., Peeler, J.T. and Mahaffey, K.R. "Retention of lead acetate in weanling and adult rats." Toxicol. Appl. Pharmacol. 67 (1983) : 100-109.
- Rice, F.L. "Somatosensory cortex of the mouse : development of barrels and of barrel field." Anat. Rec. 175 (1973) : 423-424 (Abstract).
- Rice, F.L. "Somatosensory cortex of the mouse time of origin and postnatal migration of neurons in the barrel field. A quantitative autoradiographic study." Anat. Rec. 178 (1974) : 447 (Abstract).
- Sauer, R.M., Zook, B.C. and Garner, F.M. "Demyelinating encephalomyelopathy associated with lead-poisoned in nonhuman primates." Science 169 (1970) : 1092-1093.
- Schlaepfer, W.W. "Experimental lead neuropathy : a disease of the supporting cells in the peripheral nervous system." J. Neuropathol. Exp. Neurol. 28 (1969) : 401-418.
- Sibergeld, E.K. and Adler, H.S. "Subcellular mechanisms of lead neurotoxicity." Brain Research 148 (1978) : 451-467.
- Silbergeld, E.K. and Chisolm, J.J. "Lead poisoning : altered urinary catecholamine metabolites as indicators of intoxication in mice and children." Science. 192 (1976) : 153-154.

- Silbergeld, E.K. and Goldberg, A.M. "A lead-induced behavioral disorder." Life Sciences. 13 (1973) : 1275-1283.
- Silbergeld, E.K. and Goldberg, A.M. "Lead-induced behavioral dysfunction : an animal model of hyperactivity." Exp. Neurol 42 (1974) : 146-157.
- Sinnott, J.L. "The laboratory investigation of the porphyrin disorders :a review." Med. Lab. Science 33 (1976) : 133-153.
- Soreide, A.J. and Fonnum, F. "High affinity uptake of D-aspartate in the barrel subfield of the mouse somatic sensory cortex." Brain. Research. 201 (1980) : 427-430.
- Toews, A.D., Kolber, A., Hayward, J., Krigman, M.R. and Morell, P. "Experimental lead encephalopathy in the suckling rat : concentration of lead in cellular fractions enriched in brain capillaries." Brain Resurch. 147 (1978) : 131-138.
- Tola, S., Hernberg, S., Asp, S., and Nikkanen, J. "Parameters indicative of absorption and biological effect in new lead exposure : a prospective study." Brit. J. industr. Med. 30 (1973) : 134-141.
- Van Der Loos, H. and Woolsey, T.A. "Somatosensory cortex : structural alterations following early injury to sense organs." Science. 179 (1973) : 395-398.
- Vongdokmai R. "Effect of protein malnutrition on development of mouse cortical barrels." J. Comp. Neurol. 191 (1980) : 283-294.
- West, C.D., and Kemper, T.L. "The effect of a low protein diet on the anatomical development of the rat brain." Brain. Research 107 (1976) : 221-237.

- White, E.L. and DeAmicis, R.A. "Afferent and efferent projections of the region in mouse SmI cortex which contains the posteromedial barrel subfield." J. Comp. Neurol. 175 (1977) : 455-482.
- White, E.L. and Hersch, S.M. "Thalamocortical synapses of pyramidal cells which project from SmI to MsI cortex in the mouse." J. Comp. Neurol. 198 (1981) : 167-181.
- White, E.L. and Rock, M.P. "A Comparison of thalamocortical and other synaptic inputs to dendrites of two non-spiny neurons in a single barrel of mouse SmI cortex." J. Comp. Neurol. 195 (1981) : 265-277.
- Wong-Riley, M.T.T. and Welt, C. "Histochemical changes in cytochrome oxidase of cortical barrels after vibrissal removal in neonatal and adult mice." Proc Natl. Acad. Sci. USA. 77 (1980) : 2333-2337.
- Woolsey, T.A. "Somatosensory, auditory and visual cortical areas of the mouse." Johns Hopkins. Med. J. 121 (1967) : 91-112.
- Woolsey, T.A. and Van der loos, H. "The structural organization of layer IV in the somatosensory region (SI) of mouse cerebral cortex." Brain. Research. 17 (1970) : 205-242.
- Woolsey, T.A. and Wann, J.R. "Areal changes in mouse cortical barrels following vibrissal damage at different postnatal ages." J. Comp. Neurol. 170 (1976) : 53-66.

ประวัติผู้เขียน

นางสาวอรพิน ผาสूरียังษ์ เกิดเมื่อวันที่ 17 เมษายน 2501 ที่จังหวัดสระบุรี
สำเร็จการศึกษารัฐศาสตรบัณฑิต สาขาชีววิทยา จากคณะวิทยาศาสตร์ มหาวิทยาลัยขอนแก่น
เมื่อ พ.ศ. 2524



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย