

REFERENCES

- Achari, N.K., and Downman, C.B.B. Autonomic effector responses to stimulation of nucleus fastigius. J. Physiol. 210 (1970) : 637-650.
- Atha, D.H., and Ingham, K.C. Mechanism of precipitation of proteins by polyethylene glycols. Journal of Biological Chemistry. 256(1981) : 12108-12117.
- Benzon, H.T., Glissen, A.J., Strichartz, G.R., Avram, M.J., and Covino, B.G. The effect of polyethylene glycol on mammalian nerve impulses. Anesth Analg. 66(1987) : 553-559.
- Bolme, P., Forsyth, R.P., Ishizaki, T., and Melmon, K.L. Hemodynamic effects of systemic and central administration of clonidine in the monkey. Am. J. Physiol. 228(1975) : 1276-1279.
- Boonsong Lekagul, and McNeely, J.A. Mammals of Thailand. 2nd ed. pp.1-7 Saha Karn Bhaet Co., 1988.
- Bradley, D.J., Paton, J.F.R. and Spyer, K.M. Cardiovascular responses elicited from the fastigial nucleus in the anaesthetized and decerebrate rabbit. J. Physiol. 378 (1986) : 51P.
- Burkill, I.H. A dictionary of the economic products of the Malay-Peninsula. vol.1. Oxford : University Press, 1870.
- Chakkrij Luk - in. Effect of electrical stimulation of fastigial nucleus on blood pressure and heart rate in tree shrew (*Tupaia glis*) Master's Thesis, Chulalongkorn University, 1992.

- Chen, C.H., and Lutherer, L.O. Fastigial nucleus lesions impair recovery of blood pressure following rapid-onset, isovolemic hypotension. Fed. Proc. 44(1985) : 1728.
- Del BO, A., Ross, C.A., Pardal, J.F., Saavedra, J.M., and Reis, D.J. Fastigial stimulation in rats releases adrenomedullary catecholamines. Am. J. Physiol. 244 (1983) : R801-R809.
- _____, Sved, A.F., and Reis, D.J. Fastigial stimulation release vasopressin in amounts that elevate arterial pressure. Am. J. Physiol. 244(1983) : H687-H694.
- _____, Sved, A.F., and Reis, D.J. Inhibitory influences from arterial baroreceptors on vasopressin release elicited by fastigial stimulation in rats. Circ. Res. 54(1984) : 248-253
- Dormer, K.J., Andrezik, J.A., Person, R.J., Braggio, J.T., and Foreman, R.D. Fastigial nucleus cardiovascular response and brain stem lesions in the beagle. Am. J. Physiol. 250(1986) : H231-H239.
- _____, and Stone, H.L. The effect of clonidine on the fastigial pressor response in dogs. J. Pharmacol. Exp. Ther. 205(1978) : 212-220.
- Endo, K., Oshima, Y., Kikuchi, H., Koshihara, Y., and Hikino, H. Hypotensive principles of *Uncaria hookeri*. Planta med. 49(1983) : 188-190.
- Fessenden R.J., and Fessenden J.S. Organic Chemistry. pp. 721: Willard Grant Press, 1979.

- Finean, J.B. The role of water in the structure of peripheral nerve myelin. J. Biophys. Biochem. Cytol. 3(1957) : 95-102.
- Friedman, M. H. F. A vehicle for the intravenous administration of fat-soluble hormones. J. Lab. Clin. Med. 29(1944) : 530-531.
- Ganong, W.F. Review of Medical Physiology. pp.514. 550-561 :Prentice-Hall International Inc, 1991.
- Ganten, D., Unger, Th., and Lang, R.E. Neurohumoral mechanisms of blood pressure control : focus on peptides. In Strasser , T. and Ganten, D.(eds.), Mild hypertension : from drug trials to practice. pp. 135-146. New York : Raven Press, 1987.
- Guyton, M. D. Textbook of Medical Physiology. pp. 246-255 : W. B. Saunders company, 1981.
- Henry, R.T., and Connor, J.D. Axons of passage may be responsible for fastigial nucleus pressor response. Am. J. Physio. 257(1989) : R1436-R1440.
- Koyama, S., Ammons, W. S., and Manning, J. W. Altered renal vascular tone and plasma renin activity due to fastigial and baroreceptor activation. Am. J. Physiol. 239(1980) : H232-H237.
- Krugliak, P. Hollander, D., Le, K., Ma, T., Dadufalza, V.D., and Katz, K.D. Regulation of polyethylene glycol 400 intestinal permeability by endogenous and exogenous prostanoids. Influence of non-steroidal anti-inflammatory drugs. Gut. 31(1990) : 417-421.

- Lisander, B., and Martner, J. Interaction between the fastigial pressor response and the baroreceptor reflex. Acta physiol. scand. 83 (1971) : 505-514.
- Lutherer, L. O., and Williams, J. L. Stimulating fastigial nucleus pressor region elicits patterned respiratory responses. Am. J. Physiol. 250 (1986) : R418-R426.
- _____, Williams, J.L., and Everse, S.J. Neurons of the rostral fastigial nucleus are responsive to cardiovascular and respiratory challenges. J. Auton. Nerv. Syst. 27(1989) : 101-111.
- Maynard, M.T.R. Polyethylene glycol vehicles in dermatology. Investigative Dermatol. 8(1947) : 223-225.
- Miura, M., and Reis, D. J. A blood pressure response from fastigial nucleus and its relay pathway in brainstem. Am. J. Physiol. 219 (1970) : 1330-1336.
- _____, and Reis, D. J. Cerebellum : a pressor response elicited from the fastigial nucleus and its efferent pathway in brainstem. Brain Res. 13(1969) : 595-599.
- Mraovitch, S., Pinard, E., and Seylaz, J. Two neural mechanisms in rat fastigial nucleus regulating systemic and cerebral circulation. Am. J. Physiol. 251(1986) : H153-H163.
- Myers, R.D., Yaksh, T.L., Hall, G.H., and Veale, W.L. A method for perfusion of cerebral ventricles of the conscious monkey. J. Appl. Physiol. 30 (1971) : 589-592.

- Nijsiri Ruangrungsi. The alkaloids of Anthocephalus chinensis leaf. Master's Thesis, Chulalongkorn University, 1978.
- Pongpan Aroonsang. Studies on the effect of 3 α - dihydrocadambine isolated from *Anthocephalus chinensis* leaves on blood pressure in albino rats. Master's Thesis, Chulalongkorn University, 1984.
- Postlethwait J.H., and Hopson, J.L. The Nature of life. pp. 418-421: McGRAW- HILL, Inc, 1992.
- Ratree Sudsuang, Prayode Boonsinsukh, Veerachai Singhanियom, Pongsak Kunluan and Thongchai Suksawate. Fastigial nucleus stimulation on blood pressure and heart rate in monkey. Anual meeting of the physiological society. April 3-5(1990) : 7.
- Reis,D.J., Doba,N., and Nathan,M.A. Predatory attack : grooming and consummatory behavior evoked by electrical stimulation of cerebellar nuclei in cat. Science. 182(1973) : 845-847.
- Riad,L.E., and Sawchuk,R.J. Effect of polyethylene glycol 400 on the intestinal permeability of carbamazepine in the rabbit. Pharmaceutical Res. 8(1991) :491-497.
- Shapiro, H. Osmotic properties of frog nerves. Comp. Biochem. Physiol. 19(1966) : 225-239.
- Solomon T.W.G. Organic Chemistry. 2nd. pp. 1015-1023: John Wiley & Sons, Inc.,1980.

Sved, A.F., Scott, P. J., and Kole, M. Cerebellar lesions attenuate vasopressin release in response to hemorrhage. Neuroscience letters. 55(1985): 65-70.

Zeng, C., Suzuki, Y., and Alpert, E. Polyethylene glycol significantly enhances the transfer of membrane immunoblotting. Anal. Biochem. 189(1990): 197-201.

VITA

Miss anusara Vattanajun was born on 6th January 1968 at Bangkok. She received the 1st Class Honours in Bachelor of Science from Department of biology, Faculty of Science, Sri Nakharinwirot University in 1990.

