



REFERENCES

- Achari, N.K., Al-Ubaidy, S., and Downman, C.B.B. Cardiovascular responses elicited by fastigial and hypothalamic stimulation in conscious cats. Brain Res. 60 (1973) : 439-447.
- _____, and Downman, C.B.B. Autonomic response evoked by stimulation of fastigial nuclei in the anaesthetized cat. J. Physiol. (London). 204 (1969) : 130-131.
- _____, and Downman, C.B.B. Autonomic effector responses to stimulation of nucleus fastigius. J. Physiol. 210 (1970) : 637-650.
- Achenbach, K.E., Goodman, D.C. Cerebellar projections to pons, medulla and spinal cord in the albino rat. Brain Behav. Evol. 1 (1968) : 43-57.
- Allen, W.F. Experimental -anatomical studies on the visceral bulbo-spinal pathway in the cat and guinea pig. J. Comp. Neurol. 42 (1927) : 393-456.
- Anguat, P., and Bowsher, D. Ascending projections of the medial cerebellar (fastigial) nucleus. An experimental study in the cat. Brain Res. 24 (1970) : 49-68.
- Batton, R.R., Jayaraman, A., Ruggiero, D., and Carpenter, M.B. Fastigial efferent projections in the monkey : An Autoradiography Study. J. Comp. Neurol. 174 (1977) : 281-306.
- Blessing, W.W., Goodchild, A.K., Dompney, R.A.L., and Chalmers, J.P., Cell groups in the lower brain stem of the rabbit projecting to the spinal cord, with special reference to catecholamine - containing neurons. Brain Res. 221 (1981) : 35-55.

Bradley, D.J., Pascoe, J.P. Paton, J.F.R., and Spyer, K.M. Cardiovascular and respiratory responses evoked from the posterior cerebellar cortex and fastigial nucleus in the cat. J. Physiol. 393 (1987) : 107-121.

_____, Paton, J.F.R., and Spyer, K.M. Cardiovascular responses elicited from the fastigial nucleus in the anaesthetized and decerebrate rabbit. Am. J. Physiol. 244 (1983) : R801-R809.

Brodal, A., and Pompeiano, O. The vestibular nuclei in the cat. J. Anat. 91 (1957) : 438-454.

Carleton, S.C., and Carpenter, M.B. Afferent and efferent connections of the medial, inferior and lateral vestibular nuclei in the cat and monkey. Brain Res. 278 (1983) : 29-51.

Carpenter, M.B. Lesion of the fastigial nuclei in the rhesus monkey. Am. J. Anat. 104 (1959) : 1-24.

_____, and Batton, R.R. Connections of the fastigial nucleus in the cat and monkey. The cerebellum new vistas. 1982 : 267-291.

_____, Brittin, G.M., and Pines, J. Isolated lesions of the fastigial nuclei in the cat. J. Comp. Neurol. 19 (1958) : 65-89.

_____, and Nova, H. Descending division of the brachium conjunctivum in the cat : a cerebello - reticular system. J. Comp. Neurol. 114 (1960) : 295-301.

Chida, K., Iadecola, C., and Reis, D.J. Lesion of rostral ventrolateral medulla abolishes some cardio- and cerebrovascular components of the cerebellar fastigial pressor and depressor response. Brain Res. 508 (1990) : 93-104.

- _____, Iadecola, C., Underwood, M.D., and Reis, D.J. A novel vasodepressor response elicited from the rat cerebellar fastigial nucleus : the fastigial depressor response. Brain Res. 370 (1986) : 378-382.
- Cohen, D., Chambers, W.W., and Sprague, J.M. Experimental study of the efferent projections from the cerebellar nuclei to the brain stem of the cat. J. Comp. Neurol. 109 (1958) : 233-259.
- Courville, J., Cooper, C. The cerebellar nuclei of *Macaca mulatta* : a morphological study. J. Comp. Neurol. 140 (1970) : 241-254.
- Dampney, R.A.L., Goodchild, A.K., Robertson, L.G., and Montgomery, W. Role of ventrolateral medulla in vasomotor regulation : a correlative anatomical and physiological study. Brain Res. 249 (1982) : 223-235.
- Del Bo, A., Ross, C.A., Pardal, J.F., Saavedra, J.M., and Reis, D.J. Fastigial stimulating in rats releases adrenomedullary catecholamines. Am. J. Physiol. 224 (1983) : R801-R809.
- _____, Sved, A.F., and Reis, D.J. Fastigial stimulation releases vasopressin in amounts that elevate arterial pressure. Am. J. Physiol. 244 (1983) : H687-H694.
- _____, Sved, A.F., and Reis, D.J. Fastigial nucleus stimulation and concurrent activation of cardiovascular receptors : differentiate effects on arterial pressure, heart rate and vasopressin release. J. Hypertens. 2 (suppl 3) (1984) : 49-51.
- _____, Sved, A.F., and Reis, D.J. Inhibitory influences from arterial baroreceptors vasopressin release elicited by fastigial stimulation in rats. Circ. Res. 54 (1984) : 248-253.

Dormer, K.J., Modulation of cardiovascular response to dynamic exercise by fastigial nucleus. J. apply physiol. 56 (5) (1984) : 1369-1377.

_____, 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.

_____, Foreman, R.D., and Ohato, C.A. Fastigial nucleus stimulation and excitatory spinal sympathetic activity in dog. Am. J. Physiol. 243 (1982) : R25-R33.

_____, Foreman, R.D., and Stone, H.L. Glutamate-induced fastigial pressor response in the dog. Neurosci. 2 (1977) : 577-584.

_____, Person, R.J., Andrezik, J.A. Ventrolateral medullary lesions and fastigial cardiovascular response in beagles. Am. J. Physiol. 256 (1989) : H1200-H1208.

_____, and Stone, H.L. Cerebellar pressor response in the dog. J. apply. Physiol. 41 (1976) : 574-580.

_____, and Stone, H.L. Fastigial nucleus and its possible role in the cardiovascular response to exercise. In O. Smith, Galosy, R., and Weiss, S. (eds), *Circulation, Neurobiology and Behavior*, New York : Eisevier, (1982) : 201-215.

Elisevich, K., and Redekop, G. The fastigial pressor response. J. Neurosurg. 74 (1991) : 147-151.

- Foltz, F.M., and Matzke, H. An experimental study on the origin, course, and termination of the cerebellifugal fibers in the opossum. J. Comp. Neurol. 114 (1960) : 107-125, cited by Ware, C.B., and Mufon, E.J. Spinal cord projection from the medial cerebellar nucleus in tree shrew (*Tupaia glis*). Brain Res. 171 (1979) : 383-400.
- Fukushima, K., Peterson, B.W., Uchino, Y., Coulter, J.D., and Wilson, V.J. Direct fastigiospinal fibers in the cat. Brain Res. 126 (1977) : 538-542.
- Gray, L.P. Some experimental evidence on the connection of the vestibular mechanism in the cat. J. Comp. Neurol. 41 (1926) : 319-364.
- Henry, R.T., and Conner, J.D. Axons of passage may be responsible for fastigial nucleus pressor response. Am. J. Physiol. 257 (1989) : R1436-R1440.
- Hoffer, B.J., Ratcheson, R., and Snider, R.S. The effect of stimulation of the cerebellum on the circulatory system. Fed. Proc. 25 (1966) : 107.
- Hokfelt, T. Fuxe, K., Goldstein, M., and Johansson, O. Immunohistochemical evidence for the existence of adrenaline neurons in the rat brain. Brain Res. 66 (1974) : 235-242
- Huang, T.F., Peng, Y.I., and Shieh, J.Y. Cardiovascular responses of rats to electrical stimulation of the fastigial nucleus and local microinjection of amino acids. Chinese J. Physiol. 32 (1989) : 31-39.
- Izzo, P.N. A note on the use of biocytin in anterograde tracing studies in the central nervous system : application at both light and electron microscopic level. J. neurosci. Meth. 36 (1991) : 155-166.

Jansen, J., and Brodal, A. Experimental studies on the intrinsic fiber of the cerebellum.

II. The cortico-nuclear projection. J. Comp. Neurol. 73 (1940) : 267-321.

Kayama, 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 (Heart Circulatory Physiology) 8 (1980) : H232-H237.

_____, Ammons, W.S., and Manning, J.W. Visceral afferent and the fastigial nucleus in vascular and plasma renin adjustments to head-up tilting. J. Auton. Nerv. Syst. 4 (1981) : 381-392.

King, M.A., Louis, P.M., Hunter, B.E., and Walker, D.W. Biocytin : a versatile anterograde neuroanatomical tract-tracing alternative. Brain Res. 497 (1989) : 361-367.

Luk-in, C. Effects of electrical stimulation of fastigial nucleus on blood pressure and heart rate in tree shrew (Tupaia glis), Master's Thesis, Chulalongkorn University, 1992.

Lutherer, L.O., Lutherer, B.C., Dormer, K.J., Janen, H.F., and Barnes, C.D. Bilateral lesion of the fastigial nucleus prevent the recovery of blood pressure following hypertension induced by hemorrhage or administration of endotoxin. Brain Res. 269 (1983) : 251-257.

_____, and Williams, J.L. Stimulating fastigial nucleus pressor region elicits patterned respiratory response. Am. J. Physiol. 25 (1986) : R418-R426.

_____, and 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.

- Marchi, V. Still origine e decorso dei peduncoli cerebellari e sui loro rapporti cogli altri centri nervosi. Riv. Sper. Freniat. 17 (1891) : 357-358, cited by Carpenter, M.B., and Batton, R.R. Connections of the fastigial nucleus in the cat and monkey. The cerebellum new vistas. 1982 : 267-291.
- Matsushita, M., and Hosoya, Y. The location of spinal projection neuron in the cerebellar nuclei (cerebellospinal tract neurons) of the cat. A study with the horseradish peroxidase technique. Brain Res. 142 (1978) : 237-248.
- Mcallen, R.M. Mediation of the fastigial pressure response and a somatosympathetic reflex by ventral medullary neurons in the cat. J. Physiol. 368 (1985) : 423-433.
- Mehler, W.R. Double descending pathways originating from the superior cerebellar peduncle. An example of neural species difference. Anat. Rec. 157 (1967) : 374.
- Mingazzini, G. Snulle degenerazioni consecutive alle extirpozioni emicerebellari. Ricerche. Lab Anat Normale, R Univ Roma. 4 (1894) : 73-124, cited by Carpenter, M.B., and Batton, R.R. Connections of the fastigial nucleus in the cat and monkey. The cerebellum new vistas. 1982 : 267-291.
- Miura, M., and Reis, D.J. Cerebellum : a presor response elicited from the fastigial nucleus and its efferent pathway in brainstem. Brain Res. 13 (1969) : 595-599.
- _____, 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. The paramedian reticular nucleus : a site of inhibitory interaction between projections from fastigial nucleus and carotid sinus nerve acting on blood pressure. J. Physiol. 216 (1971) : 441-460.
- Moolenaar, G.M., and Rucker, H.K. Autoradiographic study of brain stem projections from fastigial pressor areas. Brain Res. 114 (1976) : 492-496.
- Moruzzi, G. Paleocerebellar inhibition of vasomotor and respiratory carotid sinus reflexes. J. Neurophysiol. 3 (1940) : 20-32.
- Nakai, M., Iadecola, C., and Reis, D.J. Global cerebrovascular vasodilation by stimulation of rat fastigial cerebellar nucleus. Am. J. Physiol. 243 (1982) : H220-H235.
- Nishimaru, N., and Kawaguchi, Y. Excitatory effects on renal sympathetic nerve activity induced by stimulation at two distinctive sites in the fastigial nucleus of rabbits. Brain Res. 304 (1984) : 372-376.
- Qvist, H. The cerebellar nuclei afferent and efferent connections with the lateral reticular nucleus in the cat as studied with retrograde transport of WGA-HRP. Anat. Embryol. 179 (1989) : 471-483.
- Rajakumar, N., Hryciyshyn, A.W., and Flumerfelt, B.A. Afferent organization of the lateral reticular nucleus in the rat : An anterograde tracing study. Anat. Embryol. 185 (1992) : 25-37.
- Rand, R.W. An anatomical and experimental study of the cerebellar nuclei and their efferent pathways in the monkey. J. Comp. Neurol. 101 (1954) : 167-224.
- Ramu, A., and Bergmann, F. The role of the cerebellum in the blood pressure regulation. Experientia. 23 (1967) : 383-384.

- Rasmusen, A.T. Origin and course of the fasciculus uncinatus (Russell) in the cat, with observations on other fiber tracts arising from the cerebellar nuclei. J. Comp. Neurol. 57 (1933) : 165-198.
- Ross, C.A., Ruggiero, D.A. Joh, T.H., Park, D.H., and Reis, D.J. Adrenaline synthesizing neurons in the rostral ventrolateral medulla : a possible role in tonic vasomotor control. Brain Res. 273 (1983) : 356-361.
- _____, Ruggiero, D.A., Joh, T.H., Park, D.H., and Reis, D.J. Rostral ventrolateral medulla : selective projections to the thoracic autonomic cell column from the region containing C₁ adrenaline neurons. J. Comp. Neurol. 225 (1984) : 168-185.
- Sawyer, C.H., Hilliard, J., and Ban, T. Autonomic and EFG responses to cerebellar stimulation in rabbits. Am. J. Physiol. 200 (1961) 405-412.
- Sudsuang, R., Boonsinsukh, P., Singhaniyom, W., Kunluan, P. and Suksawat, T. Fastigial nucleus stimulation on blood pressure and heart rate in monkey. Annual meeting of the physiological society. April 3-5 (1990) : 7.
- Sved, A.F., Scott, P.J., and Kol, M. Cerebellar lesions attenuate vasopressin release in response to hemorrhage. Neurosci. lett. 55 (1985) : 65-70.
- Thomas, A. Le faiseau cerebelleux descendant. CR Soc Biol (Paris). 49 (1897) : 36-37, cited by Ware, C.B., and Mufson, E.J. Spinal cord projection from the medial cerebellar nucleus in tree shrew (*Tupaia glis*). Brain Res. 171 (1979) : 383-400.
- Thomas, D.M., Kaufman, R.P., Sprague, J.M., Chambers, W.W. Experimental studie of the vermal cerebellar projections in the brain stem of the cat (fastigiobulbar tract). J. Anat. 90 (1956) : 371-384.

Walberg, F. Descending connections to the lateral reticular nucleus. An experimental study in the cat. J. Comp. Neurol. 109 (1958) : 363-389.

_____. Fastigiofugal fibers to the perihypoglossal nuclei. Exp. Neurol. 3 (1961) : 525-541.

_____, and Jansen, J. Cerebellar corticovestibular fibers in the cat. Exp. Neurol. 3 (1961) : 525-541.

_____, Pompeiano, O., Brodal, A., and Jansen, J. The fastigiovestibular projection in the cat. An experimental study with silver impregnation methods. J. Comp. Neurol. 118 (1962) : 49-75.

_____, Pompeiano, O., Westrum, L.E., and Hauglie-Hanssen, E. Fastigioreticular fibers in the cat : An experimental study with silver methods. J. Comp. Neurol. 119 (1962) : 187-199.

Ware, C.B. Efferent projections of the deep cerebellar nuclei in the tree shrew (*Tupaia glis*). Anat. Rec. 175 (1973) : 463.

_____, and Mufson, E.J. Spinal cord projections from the medial cerebellar nucleus in the tree shrew (*Tupaia glis*). Brain Res. 171 (1979) : 383-400.

Williams, J.L., Heistad, D.D., Siems, J.L. and Talman, W.T. Effect of stimulation of fastigial nucleus on cerebral blood flow in cat. Am. J. Physiol. 251 (1989) : H297-H304.

Wright, L.D., Cresson, E.L., Liebert, K.V., and Skeggs, H.R. Biological studies of biotin. J. Am. Chem. Soc. 74 (1952) : 2004-2006.

Zanchetti, A., and Zoccolini, A. Autonomic hypothalamic outbursts elicited by cerebellar stimulation. J. Neurophysiol. 17 (1954) : 475-483.



BIOGRAPHY

Miss Maitta Phoglin was born on November 9, 1962 in Nonthaburi. She got the Bachelor of Education in Nursing from Srinakharinwirot University in 1989.