

บทที่ 9 บรรณานุกรม

พระราชบัญญัติ ห้ามมิให้นำสัตว์น้ำบางชนิดเข้ามาในราชอาณาจักร พ.ศ. 2525 ราชกิจจานุเบกษา 99 ตอน 189 (23 ธันวาคม 2525): 3.

โอกาส ชามะสนธี คุ่มีอิจា แวนกชนิดและการศึกษาความเป็นพิษของปลาปักเป้าทะเลหลวงชี *Tetraodontidae* ในน่านน้ำไทย วารสารการประมง กันยายน ถึง ตุลาคม พ.ศ. 2550; 60(5): 430-4.

Akaki K and Hatano K. Determination of tetrodotoxin in puffer-fish tissues, and in serum and urine of intoxicated humans by liquid chromatography with tandem mass spectrometry. *J Food Hyg Soc Japan* 2006; 47: 46-50.

Akamatsu Y, Cole MS, Tso JY, Tsurushita N. Construction of a human Ig combinatorial library from genomic V segments and synthetic CDR3 fragments. *J Immunol* 1993; 15: 4651-9.

Arakawa O, Hwang DF, Taniyama S, Takatani T. Toxins of puffer fish that cause human intoxication. In: *Coastal Environmental and Ecosystem Issues of the East China Sea*. Ishimatsu A, Lie HJ. (eds). TERRAPUB and Nagasaki University 2010; pp. 227-44.

Arakawa O, Noguchi T, Shida Y, Onoue Y. Occurrence of 11-oxytetrodotoxin and 11-nortetrodotoxin -6(R)-ol in a xanthid crab *Atergatis floridus* collected at Kojima Ishigaki Island. *Fisheries Sci* 1994; 60: 769-71.

Arakawa O, Noguchi T, Onoue Y. Paralytic shellfish toxin profiles of xanthid crabs *Zosimus aeneus* and *Atergatis floridus* collected on reefs of Ishigaki Island. *Fisheries Sci* 1995; 61: 659-62.

Barbas III CF, Burton DR, Scott JK, Silverman GJ. (eds). *Phage display: A Laboratory Manual*. New York, Cold Spring Harbor Laboratory Press, 2001.

Bradford M. A rapid and sensitive method for the quantitation of microgram quantities of protein utilizing the principle of protein-dye binding. *Anal Biochem* 1976; 72: 248-54.

Brown MS, Mosher H. Tarichatoxin: isolation and purification. *Science* 1963; 140: 295-6.

Narahashi T, Anderson NC, Moore JW. Comparison of tetrodotoxin and procaine in internally perfused squid giant axons. *JGP* 1967; 50: 1413-28.

Catterall WA. The voltage-sensitive sodium channel: a receptor for multiple toxins. In: *Toxic Dinoflagellates*. Anderson DM, White Aw, Beden DG. (eds). New York. Elsevier 1985; 329-42.

- Chen CY, Chou HN, Chen YM, Lee TH. Detection of tetrodotoxin by HPLC in shellfishes and goby from south Taiwan. *J nat toxins* 2002; 11: 63-8.
- Diener M, Christian B, Ahmed MS, Luckas B. Determination of tetrodotoxin and its analog in the puffer fish *Takifugu oblongus* from Bangladesh by hydrophilic interaction chromatography and mass spectrometric detection. *Anal Biochem* 2007; 389:1997-2002.
- Fukiya S, Matsumura K. Active and passive immunization for tetrodotoxin in mice. *Toxicon* 1992; 30: 1631-4.
- Gallacher S, Birkbeck TH. A tissue culture assay for direct detection of sodium channel blocking toxin in bacterial culture supernates. *FEMS Microbiol Lett* 1992; 71: 101-7.
- Griffith AD, Williams SC, Hartley O, et al. Isolation of high affinity human antibodies directly from large synthetic repertoires. *EMBO J* 1994; 13: 3245-60.
- Hamano Y, Kawatsu K, Yoda T, Shibata T, Sasaki Y. Food poisoning incidents caused by marine toxins in 1985 to 1993. Proceeding of Osaka Prefectural Institute of Public Health. *Food Sanitation* 1996; 27: 39-43 (in Japanese).
- Hasan S, Nikkon F, Pervin F, et al. Biochemical and histopathological effects of tetrodotoxin isolated from puffer fish *Tetraodon patoca* available in Bangladesh. *Res J Med Med Sci* 2008; 3: 177-81.
- Hoogenboom HR, Winter G. By-passing immunization human antibodies from synthetic repertoires of germline VH gene segments rearranged *in vitro*. *J Mol Biol* 1992; 227: 381-8.
- Horie M, Kobayashi S, Shimizu N, Nakazawa H. Determination of tetrodotoxin in puffer-fish by liquid chromatography-electrospray ionization mass spectrometry. *Analyst* 2002; 127: 755-9.
- Hwang DF, Cheng CA, Tsai HT, et al. Identification of tetrodotoxin and paralytic shellfish toxins in marine gastropods implicated in food poisoning. *Fisheries Sci* 1995; 61: 657-79.
- Kaku N, Meier J. Clinical toxicology of fugu poisoning. In: *Handbook of Clinical Toxicology of Animal Venoms and Poisons, 1st edition*. Meier J, White J. (eds). Boca Raton: CRC Press, 1995: 75-83.
- Kanchanapongkul J, Kungsawan A, Tantisiriwan V, Punthawangkun C, Krittayaopositpot P. An outbreak of horseshoe crab poisoning in Chon Buri, Thailand: clinical, toxicologic and therapeutic considerations. *Southeast Asian J Trop Med Public Health* 1996; 27: 806-9.
- Kanchanapongkul J. Puffer fish poisoning: clinical features and management experience in 25 cases. *J Med Assoc Thai* 2001; 84: 385-9.

- Kao CY. Tetrodotoxin, saxitoxin and their significance in the study of excitation phenomena. *Pharmacol Rev* 1966; 18: 997-1049.
- Kao CY. Paralytic shellfish poisoning. In: *Algal Toxins in Seafood and Drinking Water*. Falconer ER. (ed). London Academy Press 1993; pp. 75-86.
- Kawatsu K, Hamano Y, Yado T, Terano Y, Shibata T. Rapid and highly sensitive enzyme immunoassay for quantitative determination of tetrodotoxin. *Jpn J Med Sci Biol* 1997; 50: 133-50.
- Kawatsu K, Shibata T, Hamano Y. Application of immunoaffinity chromatography for detection of tetrodotoxin from urine samples of poisoned patients. *Toxicon* 1999; 37: 325-33.
- Kim YH, Brown GB, Mosher HS. Tetrodotoxin: occurrence in Atelopid frogs of Costa Rica. *Science* 1975; 189: 151-2.
- Kodama M, Sato S. Pufferfish toxin. In: *Bureau of Environmental Health*. Ministry of Health and Welfare, Japan. The Manual for the Methods of Food Sanitation Tests. Food Hygienic Association, Tokyo 2005; pp. 661-6.
- Kogure Z, Tamplin ML, Simidu U, Colewell RR. A tissue culture assay for tetrodotoxin, saxitoxin and related toxins. *Toxicon* 1988; 26: 191-7.
- Kono M, Matsui T, Furukawa K, et al. Examination of transformation among tetrodotoxin and its analog in the living cultured juvenile puffer fish, *Kusafuku*, *Fugu niphobles*, by intramuscular administration. *Toxicon* 2008; 52(6): 714-20.
- Kulkeaw K, Chaicumpa W, Sakolvaree Y, Tongtawe P, Tapchaisri P. Proteome and immunome of the venom of the Thai cobra, *Naja kaouthia*. *Toxicon* 2007; 49: 1026-41.
- Kulkeaw K, Sakolvaree Y, Sriamanote P, et al. Human monoclonal ScFv neutralize lethal Thai cobra, *Naja kaouthia*, neurotoxin. *J Proteomics* 2009; 72(2): 270-82.
- Kungsawan A, Arakawa O, Promdet M, Onoue Y. Occurrence of paralytic shellfish poisons in Thai freshwater puffers. *Toxicon* 1997; 35: 1341-6.
- Kungsawan A, Nagashima Y, Noguchi T, Shida Y, Suvapeepan S, Suwansakornkul P, Hashimoto K. Tetrodotoxin in the horse-shoe crab *Carciniscorpius rotuadicauda* inhabiting Thailand. *Nippon Suisan Gakkaishi* 1987; 53: 261-6.
- Kungsawan A, Noguchi T, Arakawa O, Simidu U, Tsukamoto K, Shida Y, Hashimoto K. Tetrodotoxin-producing bacteria from horse-shoe crab *Carciniscorpius rotuadicauda*. *Nippon Suisan Gakkaishi* 1988; 54: 1799-802.
- Lange WR. Puffer fish poisoning. *Am Fam Physician* 1990; 42: 1029-33.

- Laobhripath S, Limpakarnjanarat K, Sangwanloy O, Sudhasaneya S, Anuchartvorakul B, Leelasitorn S, Saitanu K. Food poisoning due to consumption of fresh water puffer *Tetraodon fangi* in Thailand. *Toxicon* 1990; 28: 1372-5.
- Lipkind GM, Fozzard HA. A structural model of the tetrodotoxin and saxitoxin binding site of the Na^+ channel. *Biophys J* 1994; 66: 1-13.
- Llewellyn LE, Dodd MJ, Robertson A, Ericson G, de Koning C, Negri AP. Post-mortem analysis of samples from a human victim of a fatal poisoning caused by the xanthid crab, *Zosimus aeneus*. *Toxicon* 2002; 40: 1463-9.
- Maruyama J, Noguchi T, Jeon JK, Harada T, Hashimoto K. Occurrence of tetrodotoxin in the starfish *Astropecten latespinosus*. *Experientia* 1984; 40: 1395-6.
- Matsumura K. Monoclonal antibody against tetrodotoxin that reacts to the active group for the toxicity. *Eur J Pharmacol* 1995; 293: 41-5.
- Miyazawa K, Jeon JK, Maruyama J, Noguchi T, Ito K, Hashimoto K. Occurrence of tetrodotoxin in the flatworm *Planocera multitentaculata*. *Toxicon* 1986; 24: 645-50.
- Nakamura M, Yotsu-Yasumoto T. Tetrodotoxin derivatives in puffer fish. *Toxicon* 1985; 23: 271-6.
- Narita H, Noguchi T, Maruyama J, Ueda Y, Hashimoto K, Watanabe T, Hida Y. Occurrence of tetrodotoxin in trumpet shell, "Boshubora" *Charonia sauliae*. *Bull Jpn Soc Sci fish* 1981; 47: 935-41.
- Narita H, Noguchi T, Maruyama J, Ueda Y, Hashimoto K, Watanabe T, Hida Y. *Vibrio alginolyticus*, a TTX-producing bacterium isolated from the starfish *Astropecten polyacanthus*. *Nippon Suisan Gakkaishi* 1987; 53: 617-21.
- Noguchi T, Hashimoto Y. Isolation of tetrodotoxin from a goby *Gobius criniger*. *Toxicon* 1973; 11:305-7.
- Noguchi T, Jeon JK, Arakawa O, et al. Occurrence of tetrodotoxin and anhydrotetrodotoxin in *Vibrio* sp. isolated from the intestines of Xanthid crab, *Atergatis floridus*. *J Biochem (Tokyo)* 1986; 99: 311-4.
- Noguchi T, Hwang DF, Arakawa O, Sugito H, Deguchi Y, Shida Y, Hashimoto K. *Vibrio alginolyticus*, a tetrodotoxin-producing bacterium, in the intestine of the fish *Fugu vermicularis vermicularis*. *Mar Biol* 1987; 94: 625-30.
- Noguchi T, Arakawa O, Hashimoto K. Tetrodotoxin with special reference to its origin and the mechanism involved in intoxication of puffers. *J Food Hyg Soc Jpn* 1989; 30: 281-8.

- Oda K, Araki K, Totoki T, Shibasaki H. Nerve conduction study of human tetrodotoxification. *Neurology* 1989; 39: 743–5.
- O'Leary MA, Schneider JJ, Isbister GK. Use of high performance liquid chromatography to measure tetrodotoxin in serum and urine of poisoned patients. *Toxicon* 2004; 44: 549–53.
- Poungpair O, Chaicumpa W, Kulkeaw K, Maneewatch S, Thueng-in K, Srimanote P, Tongtawe P, Songserm T, Lekkcharoensuk P, Tapchaisri P. Human single chain monoclonal antibody (HuScFv) that recognized matrix protein (M1) of heterologous influenza A virus subtypes. *J Virol Methods* 2009; 159: 105-11.
- Reddy CS, Hayes AW. Food-borne toxicants. In: *Principles and Methods of Toxicology*, 2nd edition. Hayes AW. (ed). Raven, New York 1989; pp. 67-110.
- Saitanu K, Laobhripatr S, Limpakarnjanarat K, et al. Toxicity of fresh water puffer fish *Tetraodon fangi* and *T. palembangensis* from Thailand. *Toxicon* 1991; 29: 895-7.
- Sato S, Ogata T, Borja V, Gonzales C, Fukuyo Y, Kodama M. Frequent occurrence of paralytic shellfish poisoning toxins as dominant toxins in marine puffer from tropical water. *Toxicon* 2000; 38: 1101-9.
- Sheumack DD, Howden MEH, Spence I. Occurrence of tetrodotoxin-like compound in the eggs of the venomous blue-ringed octopus (*Hapalochlaena maculosa*). *Toxicon* 1984; 22: 811-2.
- Simidu U, Noguchi T, Hwang DF, Shida Y, Hashimoto K. Marine bacteria which produce tetrodotoxin. *Appl Environ Microbiol* 1987; 53: 1714-5.
- Simidu U, Kita-Tsukamoto K, Yatsumoto T, Yotsu M. Taxonomy of four marine bacterial strains that produce tetrodotoxin. *Int J Syst Bacteriol* 1990; 40: 331-6.
- Suenaga K, Kotoku S. Detection of tetrodotoxin in autopsy materials by gas chromatography. *Arch Toxicol* 1980; 44: 291-7.
- Suvapepun S. Shellfish poisoning in association with the occurrence of potentially toxic dinoflagellates in the Gulf of Thailand. In: *Toxic Red Tide and Shellfish Toxicity in Southeast Asia*. White AW, Anraku M, Hooi K. (eds). SEAFDEC and IDRC 1984; pp. 87-9.
- Tanner P, Pizekwas G, Clark R, Ginsberg M, Waterman S. Tetrotoxin poisoning associated with eating puffer fish transported from Japan-California. *JAMA* 1996; 275: 1631.
- Teitelbaum JS, Zatorre RJ, Carpenter S, et al. Neurologic sequelae of domoic acid intoxication due to the ingestion of contaminated mussels. *N Engl J Med* 1990; 322: 1781–7.
- Tsai YH, Hwang DF, Chai TJ, Jeng SS. Occurrence of tetrodotoxin and paralytic shellfish poison in the Taiwanese crab *Lophozozymus pictor*. *Toxicon* 1995; 33: 1669–73.

Wang XJ, Yu RC, Luo X, Zhou MJ and Lin XT. Toxin-screening and identification of bacteria isolated from highly toxic marine gastropod *Nassarius semiplicatus*. *Toxicon* 2008; 52: 55-61.

www.fishbase.com accessed on Nov 4, 2009.

Xu QH, Wei CH, Huang K, Rong KT. Toxin-neutralizing effect and activity-quality relationship for mice tetrodotoxin-specific polyclonal antibodies. *Toxicology* 2005; 206: 439-48.

Yang CC. An outbreak of tetrodotoxin poisoning following gastropod mollusc consumption. *Hum Exp Toxicol* 1995; 14: 446-50 (in Japanese).

Yasumoto T, Michishita T. Fluorometric determination of tetrodotoxin by high performance liquid chromatography. *Agri boil Chem* 1985; 50: 793-5.

Yasumoto T, Yasumura D, Yotsu M, Michishita T, Endo A, Kotaki Y. Bacterial production of tetrodotoxin and anhydrotetrodotoxin. *Agric Biol Chem* 1986; 50: 793-95.

Yokoo A. Study on chemical purification of tetrodotoxin (3)-purification of spheroidine. *J Chem Soc Jpn* 1950; 71(11): 590-2. (in Japanese).

Yotsu M, Tamazaki T, Meguro Y, Endo A, Murata M, Naoki H, Yasumoto T. Production of tetrodotoxin and its derivatives by *Pseudomonas* sp. isolated from the skin of a puffer fish. *Toxicon* 1987; 25: 225-8.

Yotsu-Yamashita M. Chemistry of puffer fish toxin. *J Toxicol Toxin Review* 2001; 20: 51-66.

Zaman L, Arakawa O, Shimosu A, Onoue Y. Occurrence of paralytic shellfish poison in Bangladesh freshwater puffers. *Toxicon* 1997; 35: 423-31.

Zhou Y, Li YS, Pan FG, Liu ZS, Wang Z. Identification of tetrodotoxin antigens and a monoclonal antibody. *Food Chemistry* 2009; 112: 582-6.