

Department of Emergency Medicine

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General Summary

1. Education system for junior residents in emergency medicine
2. Establishing a database of severe traumatic brain injury in Japan
3. The etiology of syncope
4. Research on laboratory assessment of heart attack in the emergency room
5. Managing the course of immediate cardiac life support
6. Managing the course of Japan Advanced Trauma Evaluation and Care
7. Providing logistical support to the Japan Boxing Commission

Research Activities

1. Supervision and development of ultrasound devices in the diagnosis and treatment of cerebrovascular disorders
2. Director of Japan Neurotrauma Data Bank Committee
3. Prognostic value of heart fatty acid-binding protein for patients with chest symptoms in the emergency room
4. Research committee on higher cerebral function after traumatic brain injury
5. Research committee on impact biomechanics in automobile accidents (Society of Automotive Engineers of Japan, Inc.)
6. Published a revised edition of *Guidelines for the Treatment and Management of Severe Head Injury* (The Japan Society of Neurotraumatology).
7. Research group on traumatic intracranial hypotension C.S.F (cerebro-spinal fluid)
8. Management of Japan Advanced Trauma Evaluation and Care Course

Publications

Shigemori M¹, Abe T¹, Aruga T¹, Ogawa T¹, Okudera H¹, Ono J¹, Onuma T¹, Katayama Y¹, Kawai H¹, Kawamata T¹, Kohmura E¹, Sakaki T¹, Sakamoto T¹, Sasaki T¹, Sato A¹, Shiogai T¹, Shima K¹, Sugiura K¹, Takasato Y¹, Tokutomi T¹, Tomita H¹, Toyoda I¹, Nagao S¹, Nakamura H¹, Park Y¹, Matsumae M¹, Miki T¹, Miyake Y¹, Murai H¹, Murakami S¹, Yamaura A¹, Yamaki T¹, Yamada K¹, Yoshimine T¹ (Jpn Neurosurg Soc). Guidelines for the management of severe head injury, 2nd edition, guidelines from the guidelines committee on the management of severe head injury, the Japan society of neurotraumatology. *Neurol Med Chir (Tokyo)*.

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Shigemori M, Ono J, Ogawa T, Tokutomi T, Kawamata T, Sakamoto T, Katayama Y, Yamaura A, Nakamura N. One week study in Japan neurotrauma data bank. *Neurotraumatology*. 2011; **34**: 1-6.

Takeda S. In-hospital crisis training in United States (in Japanese). *Kyukyū Igaku*. 2011; **35**: 1093-7.

Reviews and Books

Okuno K, Ogawa T. 2-A-2 Functional anatomy (in Japanese). In: Fukubayashi T, Shino K, edi-

tors. Orthopedic sports medicine. Tokyo: Nankodo; 2011. p. 55-6.

Kushi H, Ohtsuki J. Neuronal damage because of boxing (in Japanese). *Shinkei Naika*. 2011; **75**: 436-43.

Ogawa T. Vertigo and associated symptoms

after head and neck injury (in Japanese). *Nihon Ishikai Zasshi*. 2012; **140**: 2097-100.

Ogagwa T. Fat embolism syndrome (FES) (in Japanese). In: Yamaguchi T, Kitahara M, Fukui T et al., editors. *Today's Therapy 2012*. Tokyo: Igaku Shoin; 2012. p. 64.