

## 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. Providing logistical support to the Japan Boxing Commission

### Research Activities

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

### Publications

**Sawauchi S, Murakami S, Takeki O, Abe T.** Comparison of pathophysiology between acute subdural hematoma and diffuse brain injury in JNTDB (in Japanese). *Noshinkeigeka* 2007; **35**: 665-71.

**Sawauchi S, Murakami S, Takeki O, Abe T.** Acute subdural hematoma in traffic accident: Review? of 1002 cases on JNTDB (in Japanese). *Nippon Kotsu Kagakukai Zasshi* 2008: 24-8.

2007; **26**: 123-8.

**Takeda S, Matsumoto T, Ogawa T.** Resuscitation and simulation as educational method: ACLS (in Japanese). *Kyukyū Igaku* 2007; **31**: 1461-6.

**Sawauchi S, Murakami S, Takeki O, Abe T.** Pathophysiology of acute subdural hematoma and diffuse brain injury: review of JNTDB (in Japanese). *Tokyo Jikeikai Ikadaigaku Zasshi (Tokyo Jikeikai Med J)* 2007; **122**: 174-5.

**Koyama T, Kasai T, Yoshida K, Takeda S, Ogawa T.** Cardiopulmonary resuscitation education for our hospital staffs (3rd. Report) (in Japanese). *Nippon Sosei Gakkai Zasshi* 2008; **27**: 50-4.

**Yoshioka M, Tsutsui N, Okuma M, Miyake R, Itoh**

### Reviews and Books

**Ohtani K, Koyama T, Takeda S, Kasai T, Ohta M, Yoshida K, Ogawa T.** Emergency response system in our hospital (in Japanese). *Sosei*

**Y, Ohashi K, Koyama T.** Analysis of ER patients who have visited our hospital in 2006 (in Japanese). *Tokyo Jikeikai Ikadaigaku Zasshi (Tokyo Jikeikai Med J)* 2007; **122**: 89.

**Ohtsuki J.** Thoracoabdominal injury (in Japanese). *Text Athletic Trainer* 2007: 170-6.

**Ogawa T.** General emergency medicine, acute CNS damage (in Japanese). *STEP Emergency*

2007: 3-34, 140-54.

**Ohtsuki J.** Trauma (in Japanese). *STEP Emergency* 2007: 157-91.

**Okuno K, Ogawa T.** Skull fracture (open, closed), Optic canal fracture; Trauma (in Japanese). *Handbook of Neurosurgical Emergency* 2008: 204-8.