

Anesthesiology

1. Staffs and Students (April, 2009)

Professor	Koshi MAKITA	
Associate Professor	Koichi NAKAZAWA	
Junior Associate Professor	Tokujiro UCHIDA,	Seiji ISHIKAWA
Assistant Professor	Akio MASUDA,	Megumi OHATA,
	Hiroyuki KOBINATA,	Sakurako ISHIBASHI,
	Eri IKEDA,	Yoriko DATE,
	Takashi HAKUSUI	
Hospital Staff	Chihiro TAKISHIMA,	Akiko FUJISAWA,
	Sonomi TANAKA,	Sayomi NAGAI,
	Hiroto YAMAMOTO	
Graduate Student	Yoshiyasu MATSUZAWA,	Naoko YAMAKAWA,
	Fukami NAKAJIMA,	Yutaka MIURA

2. Purpose of Education

The Department of Anesthesiology is an integral part of the health care system providing valuable perioperative services as well as pain relief and critical care management. Our goals of education are understanding clinical pathophysiology and clinical pharmacology, which are essential for daily clinical activities to treat patients with critical illness undergoing major surgery and to relieve patients suffering from severe pain.

3. Research Subjects

- 1) Pathophysiology of shock status
- 2) Acute lung injury
- 3) Partial liquid ventilation and lung protective ventilation
- 4) Pulmonary circulation
- 5) Physiology related with stellate ganglion block
- 6) Pathophysiology of brain ischemia
- 7) Perioperative management

4. Clinical Services

Service of the department of anesthesiology covers perioperative management of surgical patients and pain relief services for patients suffering severe chronic pain.

5. Publications

1. Briot R, Frank JA, Uchida T, Lee JW, Calfee CS, Matthay MA: Elevated levels of the receptor for advanced glycation end products, a marker of alveolar epithelial type I cell injury, predict impaired alveolar fluid clearance in isolated perfused human lungs. *Chest* 135:269-275, 2009
2. Cui JA, Matsushima E, Aso K, Masuda A, Makita K: Psychological features and coping styles in patients with chronic pain. *Psychiatry Clin Neurosci* 63 147-152, 2009
3. Ishikawa S, Ito H, Yokoyama K, Makita K: Phenylephrine ameliorates cerebral cytotoxic edema and reduces cerebral infarction volume in a rat model of complete unilateral carotid artery occlusion with severe hypotension. *Anesth Analg* 108: 1631-1637, 2009
4. Ishikawa S, Fujisawa A, Makita K: Migration of a left-sided double lumen tube into the right main bronchus caused by traction of the trachea during esophagectomy. *Anesth Resus* 45: 75-76, 2009