

## Acute Critical Care and Disaster Medicine

### 1. Staffs and Students (April, 2010)

Professor	Yasuhiro OTOMO	
Junior Associate Professor	Eiji ISOTANI,	Junichi AIBOSHI
Assistant Professor	Tomohisa SHOUKO,	Naoki TOSAKA,
	Atsushi SHIRAISHI,	Kiyoshi MURATA,
	Yutaka SEKI	
Hospital Staff	Hiroto USHIZAWA,	Kazuhide YOSHIKAWA,
	Minoru UEKI,	Kenichi HONDO,
	Masakazu WAKABAYASHI	
Graduate Student	Koji MORISHITA,	Saori MIKAMI
Resident	Tsuyoshi ICHINOSE,	Hideki ENDO,
	Tomohiro NARITA,	Kouichi HARUTA,
	Marie YAMASHITA	

### 2. Purpose of Education

We, the department of acute critical care and disaster medicine, investigate following wide range of fields, such as the search for mechanisms of biological response to severe stresses, the development of strategy for multiple organ dysfunction from the view of intensive care medicine, basic and clinical research about trauma, trauma preventive medicine and disaster medicine. Our targets of research are practical and cutting edge to work not only as a medical scientist but as a researcher for government projects.

### 3. Research Subjects

- Basic research of the mechanism of multiple organ dysfunction following hemorrhagic/septic shock
- Development of strategy for multiple organ dysfunction
- Basic and clinical research of multiple trauma
- Trauma epidemiology and trauma preventive medicine
- Disaster medicine
- Clinical research of cerebrovascular disease on acute phase

### 4. Clinical Services

Our emergency center was authorized to hold the 21<sup>st</sup> level I center in Tokyo on April 1, 2007. We give treatments over 8000 patients annual who are under critical condition like multiple organ dysfunction, severe sepsis and septic shock, life-threatening trauma as well. We also contribute to medical services, rushing to the emergency scene by a Doctor-Car/Helicopter at times.

### Publications

#### Original Article

1. Shoko T, Shiraishi A, Kaji M, Otomo Y: Effect of Pre-existing Medical Conditions on In-Hospital Mortality: Analysis of 20,257 Trauma Patients in Japan. *J Am Coll Surg*. 211; 338-46, 2010.
2. Morishita K, Otomo Y, Sasaki H, Yamashiro T, Okubo K: Multiple abdominal granuloma caused by spilled gallstones with imaging findings that mimic malignancy. *Am J Surg* 199; 23-24, 2010.