

# Acute Critical Care and Disaster Medicine

## 1. Staffs and Students (April, 2009)

Professor	Yasuhiro OTOMO	
Junior Associate Professor	Eiji ISOTANI,	Junichi AIBOSHI
Assistant Professor	Masahito KAJI,	Tomohisa SHOUKO,
	Naoki TOSAKA,	Atsushi SHIRAIISHI,
	Kiyoshi MURATA,	Yutaka SEKI
Graduate Student	Koji MORISHITA,	Saori MIKAMI
Resident	Hiroyuki TAKAHASHI,	Youhei MIYAKAWA,
	Kazuhide YOSHIKAWA,	Kyouko INAO,
	Tomoko HAKAMADA,	Hiroto USHIZAWA

## 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. Matsuoka Y, Nishi D, Nakajima S, Yonemoto N, Hashimoto K, Noguchi H, Homma M, Otomo Y, Kim Y: The Tachikawa cohort of motor vehicle accident study investigating psychological distress: design, methods and cohort profiles. *Soc Psychiatry Psychiatr Epidemiol.* 2009 Apr; 44(4):341-348.
2. Matsuoka Y, Nishi D, Nakajima S, Yonemoto N, Noguchi H, Otomo Y, Kim Y: Impact of psychiatric morbidity on quality of life after motor vehicle accident at 1-month follow up. *Psychiatry and Clinical Neurosciences* 2009; 63: 235-237.