

## CONTENTS

**ORIGINAL ARTICLES**

Deaths from Carbon Monoxide Poisoning in Japan between 1968-2007 through Data from Vital Statistics.....	Takeshi ITO, <i>et al</i>	275
Quality of Chest Compressions during Resuscitation by Paramedics.....	Shunji KASAOKA, <i>et al</i>	283
A Comparison of Monophasic with Biphasic Waveform Defibrillator for Patients with Out-of-Hospital Cardiac Arrest due to Ventricular Fibrillation.....	Akinori TAKEUCHI, <i>et al</i>	289
Importance of Analyzing Current Situation of Community-based Emergency Medical Services in Nagasaki-City.....	Kenichiro INOUE, <i>et al</i>	294
Characteristics of Patients Who were Required Longer Time for Emergency Personnel Activities.....	Masaru SUZUKI, <i>et al</i>	303
A Prediction of EMS-Helicopter Needs in an Isolated Area in Japan.....	Yuuji UYAMA, <i>et al</i>	310

**RESEARCHES**

Current Situation and Problems in the Hospital Practice of Emergency Medical Technician School : With Special Regards on Practice Items of A Group.....	Katsura KAWAI, <i>et al</i>	319
Surveys on the Judgement and Care for Trauma by Ambulance Crews : An Effort of Association of Aichi Emergency Medicine for the Standardization of Emergency of Trauma.....	Yoshimi KITAGAWA, <i>et al</i>	328
Comparison of the Antibiotics Administration Tactics Before and After Intervention of the ICT in Trauma Patients.....	Kunihiro SHIRAI, <i>et al</i>	334
Status Analysis of Pre-hospital Intravenous Adrenaline Administration in the Management of Out-of-hospital Cardio-pulmonary Arrest in Nagoya.....	Takashi SHIRAKO, <i>et al</i>	341
Training and Education for Emergency Life Saving Technicians at Hyogo Emergency Medical Center.....	Harumi SHIGETA, <i>et al</i>	349
Effectiveness of Helicopter Emergency Medical Service System for Trauma According to the Japan Trauma Data Bank.....	Yuichiro SAKAMOTO, <i>et al</i>	356
Trial of the Hybrid of ISLS and PSLs Course in Kagawa Prefecture : Regional Alliances of Stroke Care for Every Type of Medical Staff .....	Takehiro NAKAMURA, <i>et al</i>	361
Our Efforts to Keep Beds in the Secondary Emergency Hospital.....	Kouichi YASAKA, <i>et al</i>	369
The Speciality of Medical Technologists for Emergency Medicine.....	Yoshio SUEHIRO, <i>et al</i>	375

**CLINICAL EXPERIENCE**

---

Contrast-induced Nephropathy: Renal Insufficiency Patients can Tolerate Contrast Use  
in Emergency Settings by Appropriate Prevention..... Kenji KUBO, *et al* 380

**CASE REPORTS**

---

A Case of Multiple Vehicle Accident on the Hanwa Expressway  
: Issues Concerning Coordination in Disaster Sites  
between Fire Departments and Medical Institutions.....Tatsuya NISHIUCHI, *et al* 389

A Case of Traumatic Splenic Arteriovenous Fistula Detected  
on CT Angiography .....Atsuhiko ONAKA, *et al* 394

A Case of Pulmonary Embolism in which Thrombolytic Therapy  
to Thrombus in the Right Ventricle was Successful.....Tomoko SUGIMURA, *et al* 399

Anaphylaxis-induced Coronary Vasospasm: Report of Two Cases.....Shiro TABATA, *et al* 405

A Case of Severe Bronchial Asthma Attack Survived by the Cooperation  
with Pre-hospital Medical System and Hospital Intensive Care .....Ryuichi TAKENAKA, *et al* 410

**MATERIAL**

---

Nationwide Survey of Fire department Headquarters on Acute Stroke  
Transportation System in JapanNationwide Survey of Fire department  
Headquarters on Acute Stroke Transportation System in Japan  
: An Analysis by Population Size of the Catchment Area.....Naomi MIYAMATSU, *et al* 416