

PREHOSPITAL and DISASTER MEDICINE

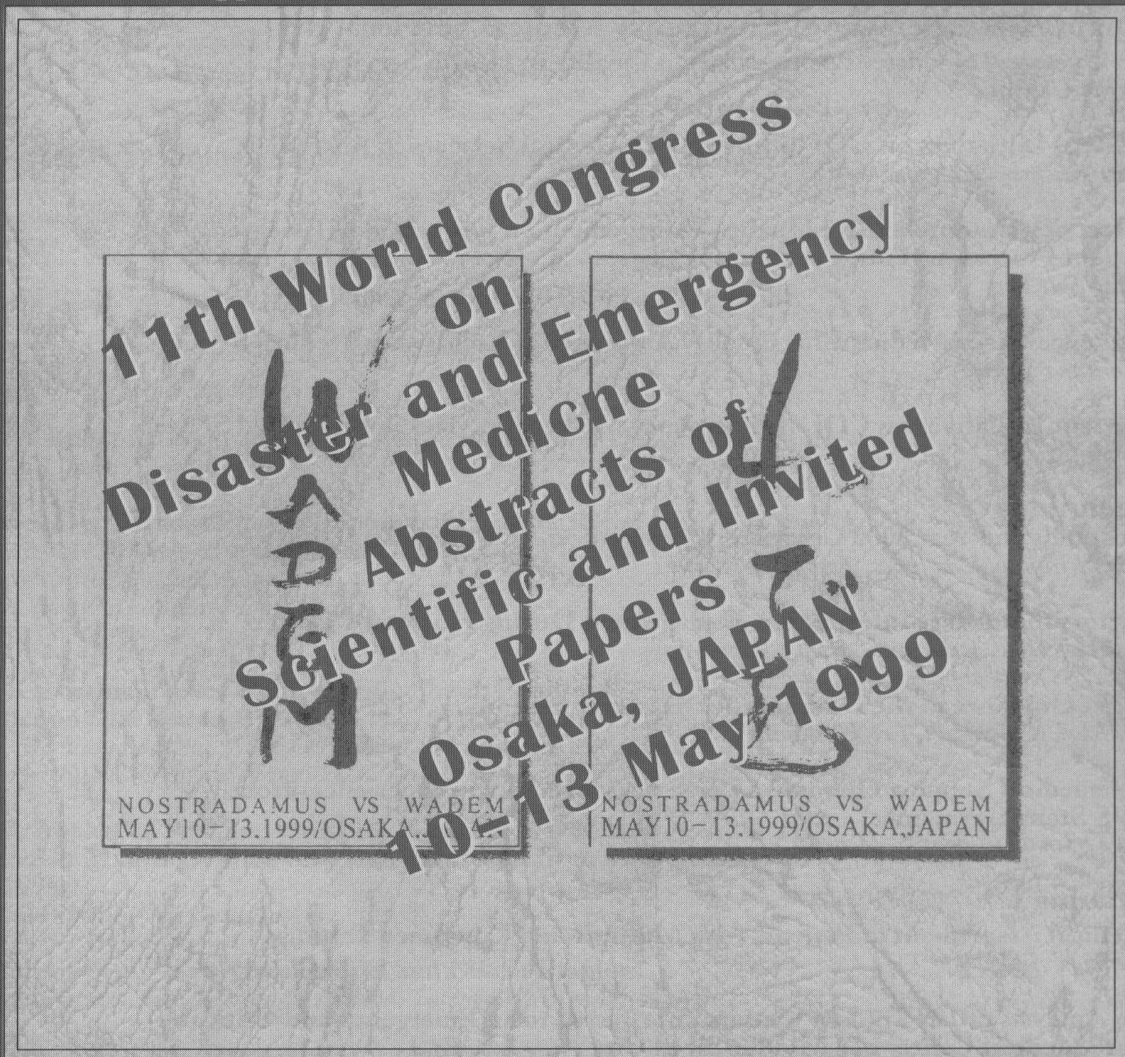
Médecine Pré-Hospitalière et Médecine de Catastrophe

Medicina Prehospitalaria y de Catástrofes

病院にかかる前の処置と
災害医療

Volume 14, Supplement 1

January–March 1999



The Official Journal of the
World Association for Disaster and Emergency Medicine
International Society for Disaster Medicine
Nordic Society of Disaster Medicine

Table of Contents

11th World Congress for Disaster and Emergency Medicine Osaka, Japan

10–13 June 1999

- Quality Management of Emergency Medical Services**
An Overview of Current Approaches to Quality in Health Services S16
Naruo Uehara
- Current Initiatives on CQI of Emergency Medical Services in Australia** S16
Peter Alistair Cameron
- Effect of a Comprehensive Quality Management on Reduction of Emergency
Patient Processing Time** S16
Dong Pill Lee
- Evidence-based Medicine for Quality Assurance of Emergency Medical Services** S17
Kimitaka Tajimi
- Current Initiatives on CQI of Emergency Medical Services in the United States** S17
James J. Loftus
- Technology**
- Hospitals and Year 2000 Computer Compliance: An Unforeseen Disaster** S18
David Jaslow, Jodi Jones, Arthur Papacostas
- Factors that Affect Information Management During Hospital Disasters** S18
David Jaslow, Jodi Jones, Arthur Papacostas
- Light Guidance in the Darkness of Disaster Situations** S18
Matti A.K. Mattila, Leo Hatjasalo
- Telemedical Support Onboard a Large Passenger Ferry—Experiences from
M/S Stena Germanica** S19
Per Ortenwall, Annika Hedelin
- Trauma I**
- Medical Assortment of Patients with Multiple and Combined Trauma** S19
Pushkov Anatoly
- An Analysis of 129 Trauma Victims Transferred to an Emergency and Critical
Care Medical Center in a Middle-Sized City** S20
Takahisa Kawashima, Nobuo Kaku
- Trauma Outcome: Review of Results in an Urban Hospital in Southern Pakistan** S20
*Hasnain Zafar, Fuad Abid, Asad Jamil Raja, Mushtaq Armed, Fabeem Nanajani,
Yousuf Kamal Mirza*

- Surgical Tactics in the Treatment of the Injured with Multiple Mechanical Trauma** S21
Pavel G. Brusov
- Pre-hospital and Initial In-hospital Trauma Care: Evaluation of a European Model** S21
Herman Delooz, M. Sabbe, L. Van Camp, E. Dhondt, P. Vanderschot, P. Broos
- Preparedness of Disaster I**
- Major Chemical Accidents in Russia (Preparedness, Cooperation)** S21
Victor N. Preobrazhensky, K.V. Lyadov
- Japanese New Disaster Relief Ship "OSUMI"** S22
Takahiro Shiozaki
- Police Medical Support in Hong Kong** S22
Robert Anthony Cocks, Siu-Kau Tong
- Shock for Everybody** S22
Stana Jiri
- Management Technologies in the System of Emergency Prevention** S23
Sergei F. Goncharov, G. V. Kipor
- Hospital in Disaster**
- Who's in Charge for the Treatment of Disasters and Emergency Victims?** S23
Ahmed Sabry Ammar
- The Role of the Teaching Hospital in Subacute Phase of the Great Hanshin-Awaji Earthquake** S24
Kazutoshi Kuboyama, Kazumasa Yoshinaga, Manabu Kirita, Munehiko Ohya, Hidenari Matsumoto, Katsushi Hosohara, Seishiro Marukawa
- The Geotechnical Risk Analysis of Hospitals in Kobe City Using a Geographic Information System** S24
Isao Kamae, Naoki Ohboshi, Mumetaka Maekawa, Noboru Ishii, Shinichi Nakayama, Nobuyuki Torii, Yasuo Tanaka, Takashi Okimura
- Injury Control: A Role for Occupational Medicine in Hospital Disaster Response** S24
David Jaslow, Jodi J. Jones, Debbera Peoples
- Model Emergency Department Plan in Support of Disaster Relief Efforts in an Urban Community: A Review of Emergency Department Plans of Public Hospitals in Singapore** S25
Francis Lee Chun Yue, V. Anantharaman
- Trauma-II**
- Serial AKBR Measurement after Hemorrhagic Shock Enables Us to Understand the Degree of Hepatic Mitochondrial Damage** S26
Toshio Nakatani, Nobuaki Matsuo, Takashi Ishihara, Shigeru Hakoto, Akihiko Hirakawa, Hisanori Fukui, Seiichiro Kanzaki, Kenji Nakatani, Kunio Kobayashi
- Socio-Economic Impact of Stab and Gunshot Wounds: A Descriptive Study on Patients Admitted at Manila Central University Hospital from 01 October, 1997 to 31 October, 1998** S26
Paul Arnel Andres, Ponciano M. Bernardo, Jr.
- Splenic Preservation Using Harmonic Scalpel and Linear Stapler** S26
Makoto Mitsusada, Hiroshi Arai, Hirotochi Egawa, Tatsuro Wakayama, Nobunori Koga
- Heat Injuries - The SAF Experience** S27
Lim Ghee Hian
- Recurrent Trauma — Its Implication** S27
Kwo-Syin Wang, Li-Hua Lu, Chang-Chen Chang, Kwo-Sang Chang

Preparedness of Disaster - II

Changes in the Disaster Medical System in Korea- The Changes that Occurred after the Recent Major Urban Disasters S28
Chul Gyu Moon, Sung Hyuk Choi, Jun Dong Moon, Sung Woo Lee, Yun Sik Hong

Survey of State Level Catastrophic Casualty Management Plans in the United States of America S28
Nancy J. Bowen, Ernesto A. Pretto

Medical Aspects of the Montserrat Volcanic Crisis, 1995-1998. S29
Peter J. Baxter

Neurosurgical Interventions in Emergencies and Disasters S29
Abmed Sabry Ammar

Developing an Earthquake Strategic Plan for British Columbia S30
M. Wayne Greene

Community Based Disaster Medical and Health Support to Formal Emergency Medical Services S30
Eric W. Williams

Coordinating Efforts Against Anti-Personnel Landmines Mine Victims Assistance: Prehospital Care Training S30
Pierre Bwale

Medical Support for Humanitarian Landmine Clearance. S31
Eddie Chaloner

Modern Technology for Removal of Landmines S32
Hiroshi Tomita

Children, Disasters, and Wars

Problems of Children at Disaster and Wars in the World S32
Leonid M. Roshal

Treatment of Children with Severe Compression Trauma. S32
R. A. Keshichshyan, Leonid M. Roshal, L. B. Puzhitskiy

Children in Disaster S33
Kenneth Hines, Wendy Hines

Earthquake in Armenia – 10 Years Afterward S33
George Mhoyan, Garen Koloyan

Rehabilitation of Disabled Children Who Suffered During Earthquake. S33
Vedimix M. Rozinov, B.G. Spivak, R.V. Nikogosian

The Children of Rehabilitation with Crush Syndrome S34
V. P. Molochniy, A. A. Drogomeretskiy, F. V. Shchepilov, A. E. Rudenco, A. G. Ricov, T. K. Rogatsevich, A. S. Ganich, M. J. Rudenco

Complex Disasters

Advance Deployment and Organization of Activity of Field Multiprofile Hospital (FMH) in Local Armed Conflicts. S34
Irina A. Nazarova

Effect of a Refugee Crisis on District Health Care: A Case Study from Karagwe District, Tanzania S35
Monica Andersson

Contribution to the Study of International Law Concerning Natural and Technologic Disasters: Problems Posed by Unidentified Patients Crossing National Boundaries after Large-Scale Disasters S35
Jean Marie Fonrouge, S. William A. Gunn

- Identification File and Guidelines for Identifying Disaster Victims Before Evacuations** S36
Bogdan Florèa, Isabelle Mons, Jean Marie Fonrouge
- Complex Emergency and Its Health Impact in Indonesia** S36
Bagus Mulyadi
- 15 Multi-Casualty Incidents Caused by Terrorist Bombing Explosions Treated by Magen David Adom in Israel** S36
Zvi Feigenberg
- The Nairobi Bombing: The Israeli Medical Team Experience** S37
Mauricio Lynn, U. Farkash, R. Maor, A. Abargel, Y. Levy, A. Eldad
- Lesson Learned from the Great Hanshin-Awaji Quake**
A Survey of the Emergency Medical Requirement following the 1995 Hanshin-Awaji Earthquake: Overview of Morbidity and Mortality of Hospitalized Patients after a Major Urban Disaster ... S37
Hiroshi Tanaka
- Complex Systems in Crisis: The Great Hanshin-Awaji Earthquake, 17 January, 1995** S38
Louise K. Comfort
- Disaster Preparedness in Osaka : A Role and Relationship of the Core Medical Institutes in a Disaster** S38
Toshiharu Yoshioka
- Overview of Bio-Psycho-Social Problems after the Hanshin-Awaji Earthquake: Report from Kobe University School of Medicine** S39
Naotaka Shinfuku
- The Hanshin-Awaji Earthquake and Dental Care** S39
Yoshihiro Tanaka, Mineo Kawai, Ryobei Adachi, Masahiro Furutani, Masanobu Ohnishi, Kiyoshi Tatemichi
- Flood Disaster**
Consideration of Social Property on the Disaster Medicine on Flood and Water-logging S40
Xu-Lun Gong
- A Clinical Analysis of Hospitalized Patients During the Period of Flood in Uijungbu City** S40
Eunyong Rue
- Facing Disasters: Hurricane Mitch: The Costa Rican Experience** S41
Daniel E. Rodríguez, Mario Saenz
- Domestic Disaster Relief Activities in the Japanese Red Cross Society** S41
Nobuyuki Suzuki, Mutubiko Ouwaki, Toshiharu Maxima, Yutaka Tanaka
- Prehospital Care**
Mobile ICU for Transport of Critically Ill — The Whangarei Experience S41
Ramesh Nagappan, Neville Maiden, Tom Riddell, Janet Barker, Sarah Lindsay
- The Importance of Measurement of End-Tidal CO₂ in Prehospital Care** S42
Pokorna¹ Milana, Knor Jiri
- Pre-Hospital Care Provision by Accident and Emergency Department Teams in England** S42
Judith Fisher
- Integrated Rescue System in the Czech Republic** S42
Petr Zelníček
- Video Session**
Comparison of the Materials Used in Chest Wall Reconstruction for Flail Chest S43
Kazuma Tsukioka, T. Kim, K. Akitzuki, Y. Satake, H. Ujino, T. Ibara, T. Miyaichi, H. Rinnka, M. Kann, T. Shigemoto, T. Yoshimura, A. Kaji

- “Disaster Management” — the New US Standard** S43
Gunnar J. Kuepper
- Automatic Advisory Defibrillator** S44
Jean Marie Fonrouge
- International Repatriation**
Emergency Medical Evacuation Program for Expatriates in Russia S44
Tom Löfstedt, Jubani Missonen
- A Historical Review of the Aeromedical Evacuation of Emergency Patients in Japan** S45
Masabiro Takiguchi
- Disaster Mental Health in Asian Countries**
Disaster Mental Health in Asian Countries: Towards a Culture Friendly Care S45
Naotaka Shinfuku
- Cultural Diversity in Mental Health Disaster Assistance in the United States: Consideration of Services to Asian - Americans** S46
Reiko Homma True
- Mental Health in Disaster: The Philippine Experience** S46
Eleanor L. Ronquillo
- Prevalence and Predictors of Post-Earthquake PTSD** S47
Wang Xiangdong
- Mental Health Effects Following Man-made Toxic Disasters: The Sarin Attack and the Arsenic Poisoning Case** S47
Nozomu Asukai
- Mental Health Program for the Victims of the Great Hanshin -Awaji Earthquake in Japan: The Strategies and the Activities** S47
Hiroshi Katoh, Commentator: Yoshiharu Kim
- Air Ambulance**
The First Steps of Air Rescue S48
Gabor Gion
- Analysis of Emergency Aeromedical Transport in Taipei** S48
Lee-Min Wang, Chen-Shen Lee
- Norwegian Air Ambulance: A Concept for Integrated Helicopter Emergency Medical Systems (HEMS)** S48
Jannicke Mellin-Olsen
- Feasibility of Implementing Helicopter Emergency Medical Systems: Example from Egypt** ... S49
Jannicke Mellin-Olsen
- Use of the Helicopter in Transit Care of the Critically Ill - Ten-Year Experience from Whangarei, New Zealand** S49
Ramesh Nagappan, Neville Maiden, Tom Riddell, Janet Barker, Sarah Lindsay, Grant Pennycook, Reginald Ellwood
- Environmental and Nuclear Disaster**
Haze '97 – A New Type of Disaster S50
V. Anantharaman
- Haze and the Body** S50
Lim Ghee Hian
- Tasks of Disaster Medicine Service in Radiation Accidents** S51
Grigory Avetisov, M.I. Grachev, G.D. Stlidovkin, G.P. Frolov
- Disaster and Emergency Medical System in Nuclear Plants: Accident in Japan** S51
Yoshikura Haraguchi, Y. Tomoyasu, T. Arai

- Istanbul Straits: An Opportunity for Trade or a Potential for a Major Disaster** S53
Mustafa Ataç, Resat Özkan, Ziya Bülent
- Post Traumatic Stress Disorders**
- Disaster Stress Reactions** S52
Katsumasa An
- Psychological Responses of Disaster Workers and Intervention for Secondary Disaster** S52
Keiji Iwai
- Critical Incident Stress Debriefing for Emergency Personnel** S52
Reiko Homma True
- Planning and Pursuance of Disaster Mental Health Activities** S53
Katsuro Aso
- Psychological Effects of Disaster in Children** S53
Kiwamu Tanaka
- Management for Alcohol-related Problems after Natural Disaster: The Great Hanshin-Awaji Earthquake** S54
Tetsuro Noda
- Disaster Epidemiology**
- The Risk Factors of Crush Syndrome Patients for Renal Failure, Hemodialysis, and Death** . . . S54
Noriaki Aoki, J. Robert Beck, Ernesto A. Pretto, Katsubiko Sugimoto, Jun Oda, Hiroshi Tanaka, Yoshiharu Yoshioka, Tsuguya Fukai
- Cost-Effectiveness Analysis of Volume Resuscitation Therapy for Crush Syndrome Patients following a Large Earthquake** S55
Noriaki Aoki, Shizuko Nagata, J. Robert Beck, Ernesto A. Pretto, Katsubiko Sugimoto, Jun Oda, Hiroshi Tanaka, Yoshiharu Yoshioka, Tsuguya Fukui
- Estimation and Reduction of Casualties in the Buildings under Earthquakes** S55
Mark A. Klyachko, Tatyana V. Markacheva
- The Simulation for Estimating Timing of Influenza Vaccination for Disaster Refugees using a Decision Analytic Approach** S56
Munetaka Maekawa, Naoki Ohboshi, Isao Kamae
- Snow-Avalanche Causing 41 Cases of Sudden Death** S56
Ren-Da Lu
- Cardiopulmonary Resuscitation**
- Out-of-hospital Cardiac Arrests in the Northern Part of Osaka Prefecture: Utstein Style Reporting in Japan** S56
Yasuyuki Hayashi, H. Akashi, M. Ohta, A. Hiraide, T. Hayakata, H. Sugimoto, I. Nishihara, H. Morita, A. Fujiwara
- Retrospective Analysis of Cardiac Arrest for the Last 15 Years in King Khalid University Hospital (KKUH), Riyadh, Saudi Arabia** S57
Mohammed A. Seraj, M. A. Magboul, Mounir Attia
- Factors Influencing Survival after Out-of-Hospital Ventricular Fibrillation Cardiac Arrest in Japan** S57
Koichi Tanigawa, Keiichi Tanaka, Akio Shigematsu
- Mass CPR Teaching as a Method of Instilling Confidence and Comfort in the Performance of CPR Skills** S58
Azhar Abdul Aziz
- Emergency Lifeguards in Japan Improved the Outcome of Out-of-Hospital Cardiopulmonary Arrest** S58
Daizoh Saitoh, Toshihisa Sakamoto, Naoyuki Kaneko, Motoki Chouno, Yutaka Morikouchi, Yoshiaki Okada

Education and Training I

Education and Training of Physicians in Emergency Medicine in the Czech Republic S59
Jirí Pokorný

Ethical Considerations of Models for Teaching Emergency Medicine S59
Vicken Yuriko Totten

Management in Mass Casualties from Traffic Accidents in the City S60
Hong-Qi Zhang

The Evaluation of EMSS for Burn Patients in Osaka Prefecture S60
Hiroaki Ujino, K. Akizuki, Y. Satake, T. Ihara, T. Miyaichi, T. Kim, H. Rinka, M. Kan, T. Shigemoto, T. Yoshimura, A. Kaji, K. Tsukoka, T. Ukai

Emergency Medicine Model / Mexico 1998 S61
Armando Iturbe Fuentes

Medical Response Against Terrorism

Epidemiological and Medical Aspects of Terrorism S61
Mauricio Lynn

Medical Response against Terrorism: Training and Education S62
Henry J. Siegelson

Medical Response to Biological Terrorism S62
Jeffrey L. Arnold

Non-Conventional Warfare: Health Policy at National Level S63
Yehezkel Levi, Asher Winder, Boaz Tadmor, Ronen Durst, Arie Eldad

Prevention and Management of Chemical and Biological Casualties S63
Boaz Tadmor, Nir Marcus, Shlomo Givoni, Asher Winder

Acute Poisoning: Detection and Identification of Poisonous Substance

Mass Foodborne Poisoning Incidents: Clinical and Screening Laboratory Data to Differentiate Cyanide from Arsenic Poisoning S64
Alan H. Hall

Detection and Identification of Unknown Poisonous Substances: A Poisons Centre Perspective S65
Per Kulling

Intoxication with Arsenic Mixed in Curry in Wakayama S65
Masahiro Shinozaki

An Emergency Network for the Treatment of a Mass Poison Plot: How the Capabilities of the Japan Poison Information Center Has Been Reinforced to Deal with the Crime Involving Poisonous Substances? S66
Toshiharu Yoshioka

Detection and Identification of Unknown Poisonous Substances from Patients' Material: The Experience of the Chemical Incident Response Service, London S66
Virginia Murray

The Efficacy of use of the Internet and Computers in Disasters Megacity Network Capacity Building, Transfer and Share of Knowledge and Health Information S67
Saiedeh von Keitz

The Disaster Manual in a Multi-Media Style S68
Genro Ochi, Kenji Nitta, Morishige Tanaka, Shinnya Fukumoto, Soichi Maekawa, Yoichi Shirakawa

Disaster Telemedicine — Part I: The Evolving Role of Telemedicine and Telecommunications in Disaster Response S68
Frederick M. Burkle, Victoria Garshnek

- Disaster Telemedicine — Part II: Future Applications of Telemedicine and Telecommunications in Disaster Medicine** S68
Victoria Garshnek, Frederick M. Burkle
- Are You Prepared to Make Tactical Decisions? Training Using Computer-Aided Simulation** . S68
Matti A.K. Mattila
- Natural Approach to Ophthalmological Aid in Disasters** S69
George G. Petriashvili, R.A. Gundorova
- Eye Burns in Disasters, Caused by Fire** S69
E. V. Chentsova, George G. Petriashvili
- Burn Disasters from a Propane Gas Explosion** S70
Meng-Jung Chen
- Primitive, But Practical: Stamping-Bellows for Artificial Ventilation** S70
Nobuo Fuke, Kazuyuki Serata, Takashi Maeda
- Experience with Indoor Telephone Exercises on Disaster Preparedness Training : A Preliminary Report** S71
Chih-Hsien Chi, Wen-Hsing Chao, Ming-Che Tsai
- The Role of the Internet in Earthquake Disaster** S72
Yoshio Murayama
- Solitary Deaths in Temporary Housing Units in the Areas Affected by the Southern Hyogo Earthquake** S71
Yasuhiro Ueno, Migiwa Asano, Hideyuki Nushida, Junko Adachi, Yoshitsugu Tatsuno
- Who is a Trauma Surgeon?**
Who Is a Trauma Surgeon? What Does He Do? S71
Mu-Shun Huang
- Who is a Trauma Surgeon in the Philippines** S72
Alfred T. Ramirez
- Trauma Surgery in Germany** S73
Lothar Kinzl, F. Gebhard
- Trauma Surgeons in Japan** S73
Kunio Kobayashi
- Educational Models for Disaster Medicine**
Medical Disaster Response: An Educational Model for the Management of Earthquake Victims S73
Carl H. Schultz
- Training on Disaster Medicine in the Philippines and the Western Pacific Region** S74
Arturo M. Pesigan
- Education for Major Accidents and Disasters in Sweden** S74
Karl Axel Norberg
- Significance and the Future of Disaster Education in a Hospital** S75
Yoshikura Haraguchi, Yozo Tomoyasu, Hosei Nishi, Takashi Arai
- International Relief Activities**
Experience in Treating Victims following the Tidal Wave in Papua, New Guinea S75
Yuichi Koido, Yasushi Asari, Ken Nakamura, Motoshi Yamamoto, Takao Kunno, Megumi Otsuka, Yutaka Kanazawa, Takayuki Arai, Mitsubaru Nishimura, Toshiaki Furuta, Junichi Akiyama
- Medical Relief for Remote Rural Communities: The Republic of Singapore Navy Experience**. S75
Gregory Chan, Francis Lee, Edwin Low, Soh Guan Huat

- Actions of the Japan Disaster Relief Team in Nicaragua following Hurricane Mitch** S76
Hisayoshi Kondo, Fumie Takagi, Katubiko Sugimoto, Yuishi Koido, Norifumi Ninomiya, Yasuhiro Yamamoto
- Management in Emergencies** S77
Guennady V. Kipor, S. F. Goncharov
- Humanitarian Relief Experts (HUREX) in Japan**. S77
Norifumi Ninomiya, Masaki Kaneda, Naruo Uehara, Yasubide Nakamura, Osamu Kuniti, Tatsue Yamazaki, Mariko Ohara, Kenji Nishizawa, Yasuhiro Yamamoto
- Disaster Situation in the Western Pacific Region-from a Disaster-Prone Area**. S77
Shigeki Asahi, Arturo M. Pesigan, Lilia M. Reyes
- The Management of Disaster with a Case Report on Tsunami Disaster in Flores** S78
Karjadi Wirjoatmodjo
- The Spaso Technique in Reduction of Anterior Shoulder Dislocation in the Accident and Emergency Department of Kwong Wah Hospital (Hong Kong)**. S78
M. C. Yuen, P. G. Yad, Y. T. Chan, W. K. Tung
- Does Unreamed Nailing Prevent Pulmonary Fat Embolism?** S78
Keiji Tanaka, Masateru Shindo, Kazui Soma, Mitsubiro Hirata, Takashi Ohwada
- Trauma Scoring Systems Explained**. S79
Mohammed Hassan Fani-Salek
- Development of Right Internal Carotid Artery Transection with Fatality in a Head-injured Patient: Case Report and Literature Review** S79
Chin-Wang Hsu, Ying-Hsin Chen, Hsaio-Dung Liu, Ming-Ying Liu
- Strategy for Acute Myocardial Infarction Due to the Obstruction of Left Main Trunk**. S79
Osamu Shigemitsu, Tetsuo Hamada, Shinji Miyamoto, Hirohumi Anai, Toru Soeda, Shogo Urabe, Tae-Song Lee, Eriko Iwata
- Association Between Angiotensin Converting Enzyme Gene Polymorphism and Acute Coronary Syndrome in Taiwan**. S80
Ying-Hsin Chen, Hrong-Jyh Harn, Ming-Ying Liu
- The Pattern of Ambulance Arrivals in the Emergency Department of a General Hospital in Singapore: Is It Different from the Walk-in Arrivals? What is the Impact?** S80
Eillyne Seow, Wong Ho Poh
- Prehospital Medical Treatment in the County of Östergötland, Sweden** S81
Rune G. Blomberg, Björn Yansson
- Mass Gathering**
Mass Casualty in a Pop Music Concert Instead of Being a Programmed Event. Home Fair 1997, Lima, Peru. S82
Moncerrat Orué, Roberto Pretell Huaman
- Treat and Release: A New Approach to the Emergency Medical Needs of the Oldest Mass Gathering (The Pilgrimage)**. S82
Mowafag Al-Bayouk, Mohamed Seraj, Ibrahim Al-Yamani
- The Disco Fire in Göteborg, October 1998**. S83
Per Örténwall, Annika Hedelin
- Medical Liaison Officers: A Useful Tool to Counteract Potential Hazards** S83
Annika Hedelin, Per Örténwall
- Admission of Mass Casualties to the University Hospital of Gothenburg after the Great Discotheque Fire 29 October 1998** S83
Thore Wikström, B. Engarås, P. Örténwall
- Mass Flame Disasters: Rules of Stage Treatment**. S83
Larisa L. Gerasimova, A. Putintsev

- Health Disaster Management Guidelines for Evaluation and Research in the Utstein Style S84**
Knut Ole Sundnes; Marvin L. Birnbaum, and the International Steering Committee of the Task Force on Quality Control of Disaster Management
- Poster Session V**
- Analysis of the Observed Patients in the Emergency Department of Taipei-VGH S85**
Kuo-Fang Hsu, Lee-Min Wang, Chorng-Kuang How, Yu-Inn Leu, Chen-Hsen Lee
- Experience of Pre-ACLS Training Course in Taiwan. S85**
Shu-Mei Lin, Ying-Hsin Chen, Shi-Jye Chu, Hsaio-Dung Liu, Ming-Ying Liu
- Accelerated Clearance of Carbon Monoxide by Normocapnic Hyperpnea in Human Subjects . S86**
Akinori Takeuchi, A. Vesely, J. Rucker, J. Tesler, L. Sommer, A. Lavene, L. Fedorko, S. Iscoe, J.A. Fisher
- Emergency Nursing Care in the Penetrating Cardiac Injury S86**
Yun-Ling Pan, Shu-Mei Lin, Ying-Hsin Chen, Hsung-Dung Liu, Ming-Ying Liu
- Tug-of-War: Not only a Game, but a Disaster S86**
Bin Chou Lee, Dachen Chu, Wen Haw Wu
- Legal, Diplomatic, and Geopolitical Concepts that Physicians on International Humanitarian Missions Should Know S87**
Patricia Benier, Jean Marie Fonrouge, S. William Gunn,
- Disaster Preparedness / The Role of the Nurse. S87**
Teresa Engel
- Northeastern North America Ice Storm Tests Disaster Medical Assistance Teams' Preparedness S87**
Scott R. Fairfield, Alex P. Isakov, Gregory A. Volturo, Richard V. Aghababian
- Trauma—III**
- Diagnosis and Treatment of Traumatic Disruption of Thoracic Aorta. S88**
Yasufumi Asai, Katsutoshi Tannno, Satoshi Nara, Kazuhisa Mori, Masashi Yoshida, Yasushi Itoh, Tetsuro Shoji, Masamitsu Kaneko
- Learning from the Diagnosis and Treatment Ruptured Abdominal Aortic Aneurysms S88**
Zhi-Quan Duan
- Severe Hydrazine Sulfate Toxicity Responding to Pyridoxine Therapy S88**
Ramesh Nagappan, Tom Riddell
- Development of Iotrolan Test for the Diagnosis to Traumatic Rupture of the Duodenum S89**
Hitoshi Takahashi, Katsuyuki Maruyama, Ikuhiro Sakata
- Hospital in Disaster—II**
- Adaptation of the Hospital Emergency Incident Command System (HEICS) for Use in a University Teaching Hospital S89**
David Jaslow, Jodi J. Jones
- The Development of a Computer-aided Guideline System for Medical Disaster Response . . . S90**
Naoki Ohboshi
- The Significance of Establishment of the Network System Between Disaster Base Hospitals in Japan S90**
Yoshikura Haraguchi, Y. Tomoyasu, T. Yoshioka, M. Ohta, Y. Yamamoto, T. Arai, H. Nishi
- An Intrasystem Transportation Plan for Hospital Evacuation S90**
David Jaslow, Jodi J. Jones, Doug Cranmer, Neil Brady, Joseph Ukasik

Y2K: Is Healthcare Ready?	S91
<i>K. Joanne McGlown</i>	
Education and Training–II	
Managerial Decision-Making in Disaster Response	S91
<i>David Jaslow, Jodi J. Jones</i>	
Possibilities of Multimedia Technology Application for Rescue Training	S92
<i>Alexander N. Putintsev, N. Shmeleva, L. Gerasimova</i>	
The Psychological Support Program of the Japanese Red Cross Society: Introduction from International Federation of Red Cross and Red Crescent Societies	S92
<i>Toshiharu Makishima</i>	
New Methods of Diagnostics and Rehabilitations for PTSD	S92
<i>Victor Preobrazhensky, K.V. Lyadov</i>	
Field Decontamination in the Mental Health Activity in the Community Disaster	S93
<i>Yoshiharu Kim</i>	
Methodology of Non-Traditional Triage	S93
<i>Frederick M. Burkle</i>	
Global Concord for Mitigation of Acute Deaths	
Secretariat of Japan Disaster Relief Team	S93
<i>Toshio Hida</i>	
Global Concord for the Mitigation of Acute Deaths in Disaster: Injury Prevention and Mitigation Strategies in Earthquakes	S94
<i>Ernesto A. Pretto</i>	
Education and Training–III	
How Does Japan Prepare Medical Professionals to Cope with Disaster Management and Relief?	S95
<i>Shinichi Nakayama, Hitoshi Matsuda, Yoshitomo Itoh, Noboru Ishii, Kazuko Iwata, Ryuko Ogino, Sumie Kaneko, Kazuo Karwasugi, Tetsuya Sakamoto, Mitsuo Shindoh, Kitoji Takuhiro, Toshinori Muyaichi, Yoshihiro Yamaguchi, Shigeki Asahi</i>	
Disaster Training for Medical Students	S96
<i>Azhar Abdul Aziz</i>	
Teaching Disaster Medicine in Belgium	S96
<i>Corneel Bellanger, M. Sabbe, M. Van Bouwelen, M. Debacker, H. Deloos, E. Dhondt</i>	
Triage!! Triage!! Triage!! (Not Treatment!!)	S96
<i>Kwong Poon Wai, B. Engarås, P. Örtengwall</i>	
Triage Tags and Disaster Drill-Analysis of Tags Used in Two Disaster Drills	S97
<i>Takasbi Ukai, T. Kai, N. Ninomiya, M. Kaneda, N. Ishii, S. Nakayama</i>	
Triage Guidelines for Crush Syndrome Patients in Large Earthquakes using Logistic Regression Models	S97
<i>Noriaki Aoki, J. Robert Beck, Ernesto A. Pretto, Katsuhiko Sugimoto, Jun Oda, Hiroshi Tanaka, Toshiharu Yoshioka, Tsuguya Fukai</i>	

11th World Congress of the World Association for Disaster and Emergency Medicine

10 - 13 May, 1999
Osaka, Japan

Dear Colleagues:

It is with great pride and pleasure that I present this book of scientific abstracts to you in anticipation of the 11th World Congress of the World Association for Disaster and Emergency Medicine. Gathered in preparation for the May 10-13 Congress, this special supplementary issue of the WADEM journal *Prehospital and Disaster Medicine* (PDM) contains over 200 papers on the most pressing issues in Disaster and Emergency Medicine today. Thanks to the great efforts of all contributors and the Editorial Board of PDM, headed by Dr. Marvin L. Birnbaum, we have here a collection of what I am convinced will inspire great discussion at WADEM-11, and consequent worldwide development in the area of Disaster and Emergency Medicine for the 21 century.

Munco Ohta
Congress Chairman
WADEM-11th Word Congress

Our Responsibilities in the Un-Natural Disasters

When we last gathered at the 10th World Congress on Emergency and Disaster Medicine in our founding city of Mainz, I reflected upon the many individuals who comprise the membership of the World Association for Disaster and Emergency Medicine (WADEM), and attempted to outline our mission in Disaster Medicine. I found a great many talented, highly committed physicians, nurses, and paramedics, continuously striving to improve the nature of our responses to emergencies and disasters at all levels, while at the same time, working diligently to render themselves somewhat obsolete through education, prevention, and mitigation efforts that might reduce the impact of disasters on human populations.

In the past 25 years, natural disasters have caused an average of nearly 130,000 deaths every year; the great bulk of these have been in poorer, developing countries. The forces of nature cannot be stopped, but the adverse impact of natural hazards on populations can be mitigated, and, in some cases, completely prevented. We must vigorously address the underlying reasons for these recurrent humanitarian crises through planning and development, while at the same time taking steps to ensure a consistent level of disaster medical response.

However, there is one form of humanitarian public health crisis that we do have the absolute capability to prevent — WAR. We can, and we must continue to gaze into the mirror of humanity and question honestly, what it is that we see reflected back to us. How contradictory it is that we take such collective pride in the global accomplishments of, for example, the marvelous technological innovations that bring us ever so much closer together as a world community, while at the same time, and in virtually the same breath, we remain powerless to prevent the seemingly endless stream of armed conflicts that, like some subhuman serpentine menace, slithers its way from nation to nation, completely insensitive to the terrible mass population health consequences that follow in its trail. Wars ostensibly are fought between defined military combatants, but the real story always is the same: the unarmed, civilian population is left without shelter, food, sanitation, safe water, or a health-care infrastructure. Because war decimates the structure, services, and norms of the affected society, the civilian population suffers extraordinary losses. Families are fractured, communities destroyed, basic survival needs go unmet, and lifelines necessary to maintain the well-being of the population become targets of combat.

We cannot harness the power of nature; we only can attempt to mitigate its adverse consequences. However, we do have the potential to control wholesale violence between ourselves. As we approach a new era, let us work for the day when the deliberations of these World Congresses will focus solely on the health consequences of natural disasters, because we will have grown beyond the senselessness of attempting to solve our political differences with weapons rather than with our species-specific gifts of language and reason.

Keywords: civilians; conflict; Disaster Medicine; education; hazards; health; infrastructure; military; mitigation; prevention; technology; war; World Association for Disaster and Emergency Medicine (WADEM)

Presidential Address
Steven J. Rottman, MD, FACEP
President, World Association for Disaster and Emergency Medicine (WADEM)