

<過去に行われた研究テーマ>

- ① Adult influenza epidemic is associated with out-of-hospital cardiac arrest
Yasunori Suematsu, MD, PhD, Takashi Kuwano, MD, PhD, Motoki Yamashita, MD, PhD, Hiroyuki Tsutsui, MD, PhD, Naoki Sato, MD, PhD, Takanori Ikeda, MD, PhD, Ken Nagao, MD, PhD, Naohiro Yonemoto, MPH, PhD, Yoshio Tahara, MD, PhD, Keijiro Saku, MD, PhD, Shin-ichiro Miura, MD, PhD, on behalf of the Japanese Circulation Society with Resuscitation Science Study (JCS-ReSS) Group
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- ② Fine particulate matter and out-of hospital cardiac arrest of respiratory origin
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- ③ Association of Fine Particulate Matter Exposure With Bystander-Witnessed Out-of-Hospital Cardiac Arrest of Cardiac Origin in Japan.
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- ④ Association between time of out-of-hospital cardiac arrest and survival: Examination of the all-Japan Utstein registry and comparison with the 2005 and 2010 international resuscitation guidelines.
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- ⑤ Intra-day change in occurrence of out-of-hospital ventricular fibrillation in Japan: The JCS-ReSS study.
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- ⑥ Improved outcomes for out-of-hospital cardiac arrest patients treated by emergency life-saving technicians compared with basic emergency medical technicians: A JCS-ReSS study report.
Naito H, Yumoto T, Yorifuji T, Tahara Y, Yonemoto N, Nonogi H, Nagao K, Ikeda T, Sato N, Tsutsui H.
Resuscitation. 2020; 153: 251-257.
- ⑦ Public-access defibrillation and neurological outcomes in patients with out-of-hospital cardiac arrest in Japan: a population-based cohort study.
Nakashima T, Noguchi T, Tahara Y, Nishimura K, Yasuda S, Onozuka D, Iwami T, Yonemoto N, Nagao K, Nonogi H, Ikeda T, Sato N, Tsutsui H; Japanese Circulation Society with Resuscitation Science Study Group.
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- ⑧ Geographical Differences and the National Meeting Effect in Patients with Out-of-Hospital Cardiac Arrests: A JCS-ReSS Study Report.
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- ⑨ Citizen bystander-patient relationship and 1-month outcomes after out-of-hospital cardiac arrest of cardiac origin from the All-Japan Utstein Registry: a prospective, nationwide, population-based, observational study.
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- ⑪ Duration of Prehospital Resuscitation Efforts After Out-of-Hospital Cardiac Arrest.
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- ⑫ Association between dental caries and out-of-hospital cardiac arrests of cardiac origin in Japan.

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- ⑬ Associations between the consumption of different kinds of seafood and out-of-hospital cardiac arrests of cardiac origin in Japan.

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- ⑭ Chest-Compression-only bystander cardiopulmonary resuscitation in the 30:2 compression-to-ventilation ratio era- Nationwide observational study - Japanese Circulation Society Resuscitation Science Study Group.

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- ⑮ Chest compression-only cardiopulmonary resuscitation for out-of-hospital cardiac arrest with public-access defibrillation: a nationwide cohort study.

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Circulation. 2012; 126: 2844–51.

- ⑯ Nationwide improvements in survival from out-of-hospital cardiac arrest in Japan.

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Circulation. 2012; 126: 2834–43.

- ⑰ **Association Between Defibrillation To Epinephrine Interval And Short-term Outcomes In Out-of-hospital Cardiac Arrest Patients With Shockable Rhythm**

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Japan; Ken Nagao, Nihon Univ, Tokyo, Japan; Takanori Ikeda, Toho Univ, Tokyo, Japan; JCSReSS groupControl/Tracking Number: 23-RESS-A-68-AHA Current Date: 6/3/2023

⑩ Predicting Outcomes in Patients with Out-of-Hospital Cardiac Arrest: Results from the All-Japan Utstein Registry The JCS-ReSS group

The recent cardiopulmonary resuscitation (CPR) Guideline recommended that extracorporeal CPR (ECPR) may be considered for select cardiac arrest patients for whom the suspected cause of the cardiac arrest is potentially reversible during a limited period of mechanical cardiorespiratory support. However, we immediately need to determine whether to perform ECPR on arrival in emergency departments. The present study aimed to clarify the helpful factor of prehospital care to predict the prognosis of adult CA patients using the data of the All-Japan Utstein Registry, a prospective, nationwide, population-based registry of out-of-hospital CA (OHCA). TsukasaYagi JCSress AHA2023

⑪ Left-digit bias in out-hospital cardiac arrest: The JCS-ReSS study

Authorship Takahiro Suzuki, Atsushi Mizuno, Daisuke Yoneoka, Takahiro Nakashima, Tetsuya Matoba, Koichi Node, Naohiro Yonemoto, Yoshio Tahara, Yoshio Kobayashi, Takanori Ikeda, and for the Japanese Circulation Society Resuscitation Science Study (JCS-ReSS) Group¹ Department of Cardiovascular Medicine, St. Luke's International Hospital, Tokyo, Japan Penn Medicine Nudge Unit, University of Pennsylvania, Philadelphia, PA, USA Leonard Davis Institute for Health Economics, University of Pennsylvania, PA, USA Infectious Disease SurveillanceCenter, National Institute of Infectious Diseases Department of Emergency Medicine and The Max Harry Weil Institute for Critical Care Research and Innovation.University of Michigan, Ann Arbor, MI, USA. Department of Cardiovascular Medicine, Kyushu University, Fukuoka, Japan. Department of Cardiovascular Medicine, Saga University, Saga, Japan Department of Epidemiology and Biostatistics, National Center of Neurology and Psychiatry, Tokyo, Japan. Division of Cardiovascular Care Unit, Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Japan. Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba, Japan Department of Cardiovascular Medicine, Toho University Faculty of Medicine, Tokyo, Japan. Corresponding Author: Atsushi Mizuno, MD, MBA, MHC, PhD (2023)

⑫ The indirect negative effect of the COVID-19 pandemic on out-of-hospital Cardiac arrest in Japan: a population-based, nationwide observational study

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②① Effect of snow on the emergency medical service response times of out-of-hospital cardiac arrest in Japan, 2009–2019 (JCS-ReSS)

Hirokuni Watakia, Xerxes Tesoro Seposo, Athicha Uttajug, Asuna Arai, Muhammad Abdul Basit Ahmad Tajudin, Toshihisa Anzai, Isao Yokota, Kayo Ueda, Takanori Ikeda, Yoshio Tahara, Naohiro Yonemoto, School of Medicine, Hokkaido University, Sapporo, Japan. Department of Hygiene, Graduate School of Medicine, Hokkaido University, Sapporo, Japan. Department of Cardiovascular Medicine, Graduate School of Medicine, Hokkaido University, Sapporo, Japan. Department of Biostatistics, Graduate School of Medicine, Hokkaido University, Sapporo, Japan. The Japanese Circulation Society with Resuscitation Science Study (JCS-ReSS) Group, Tokyo, Japan (2023)

②② Changes in neurological outcomes of out-of-hospital cardiac arrest during the COVID-19 pandemic in Japan: a population-based nationwide observational study

Katasako, T. Noguchi, Y. Tahara, K. Kusano, K. Nishimura, S. Ogata, Y. Yoshikawa, T. Nakashima, and K. Tsujita contributed to formulation of the study design, data analysis, interpretation of the results, revision of the manuscript, and writing of the final manuscript. N. Yonemoto and T. Ikeda were the principal investigators and contributed to formulating the concept of

the All-Japan Utstein Registry, study design, study completion, data collection, and data management. T. Ikeda contributed to formulating the study concept, study design, study completion, data collection, data management, and interpretation of the results. All authors approved the final version. There was no funding source for this study. All authors had full access to all the data of the All-Japan Utstein Registry which is publicly accessible, open data, and the corresponding author had final responsibility for the decision to submit for publication. THE LANCET Regional Health Western Pacific (2023)

②③ Pre-hospital prediction of neurological outcome for patients following out-of-hospital cardiac arrest using machine learning and validation during the COVID-19 pandemic

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②④ Sex and Age Disparities in Receiving Public-access Defibrillation, Bystander Cardiopulmonary Resuscitation, and Neurological Outcome in Cardiac Arrest in Japan: a population-based cohort study

Masanobu Ishii, Kenichi Tsujita, Tomohisa Seki, Masafumi Okada, Kazumi Kubota, Kenichi Matsushita, Koichi Kaikita, Naohiro Yonemoto, Yoshio Tahara, Takanori Ikeda, and the JCS-ReSS Investigators. Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kumamoto University, Kumamoto, Kumamoto, Japan Department of Healthcare Information Management, The University of Tokyo Hospital, Tokyo, Japan Division of Cardiovascular Medicine and Nephrology, Department of Internal Medicine, Faculty of Medicine,

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Short title: Neurological outcome in younger female OHCA.

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②⑤ Effect of snow on the emergency medical service response times of out-of-hospital cardiac arrest in Japan, 2009–2019

Hirokuni Wataki, Xerxes Tesoro Seposo, Athicha Uttajug, Asuna Arai, Muhammad Abdul Basit Ahmad Tajudin, Toshihisa Anzai, Isao Yokota, Kayo Ueda, Yoshio Tahara, Naohiro Yonemoto, Hiroshi Nonogi, Ken Nagao, Takanori Ikeda, Naoki Sato, Hiroyuki Tsutsui for the Japanese Circulation Society With Resuscitation Science Study (JCS-ReSS) Group. School of Medicine, Hokkaido University, Sapporo, Japan. Department of Hygiene, Graduate School of Medicine, Hokkaido University, Sapporo, Japan. Department of Cardiovascular Medicine, Graduate School of Medicine, Hokkaido University, Sapporo, Japan. Department of Biostatistics, Graduate School of Medicine, Hokkaido University, Sapporo, Japan. National Cerebral and Cardiovascular Center, Suita, Japan. National Center of Neurology and Psychiatry, Kodaira, Japan. Shizuoka General Hospital, Shizuoka, Japan. Nihon University Hospital, Chiyoda-ku, Tokyo, Japan. Toho University Faculty of Medicine, Ota-ku, Tokyo, Japan. Kawaguchi Cardiovascular and Respiratory Hospital, Kawaguchi, Japan. Kyushu University, Fukuoka, Japan. (2023)

②⑥ Effect modification of the association between high temperature and Out-of-hospital cardiac arrest (OHCA) risk by PM2.5 in Japan

Zhesi Yang, Chris Fook Sheng Ng, Kayo Ueda, Sunao Kojima, Yoshio Tahara, Naohiro Yonemoto, Hiroshi Nonogi, Ken Nagao, Takanori Ikeda, Naoki Sato, Hiroyuki Tsutsui, Masahiro Hashizume. Department of Global Health Policy, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan. Department of Hygiene, Graduate School of Medicine, Hokkaido University, Sapporo, Japan. Graduate School of Medical Sciences, Kumamoto University, Kumamoto, Japan. National Cerebral and Cardiovascular Center, Suita, Japan. National Center of Neurology and Psychiatry, Kodaira, Japan. Shizuoka General Hospital, Shizuoka, Japan. Nihon University Hospital, Tokyo, Japan. Department of Cardiovascular Medicine, Toho University, Tokyo, Japan. Kawaguchi Cardiovascular and Respiratory Hospital, Kawaguchi, Japan. Department of Cardiovascular Medicine, Fukuoka, Japan. “for the Japanese Circulation Society With Resuscitation Science Study (JCS-ReSS) Group. (2023)