March 1, 2019 (Fri)  9:00 ~ 10:00  Room 11 (Room C-2/Kyoto International Conference Center 1F)

English Session 1 (EngO1)

Chair  Sungwon Na (Department of Anesthesiology and Pain Medicine, Yonsei University College of Medicine, Korea)

EngO1-1  External pressure to the calf region in contact with the boot-support-type leg holder system in the lithotomy position
Ju Mizuno1, Toru Takahashi2 (1. Department of Anesthesiology and Pain Medicine, Juntendo University Faculty of Medicine, Japan, 2. Faculty of Health and Welfare Science, Okayama Prefectural University, Japan)

EngO1-2  Factorial analyses of incidental arterial line decannulation in the ICU
Noboru Hatakeyama, Masatoshi Okumura, Hideo Isobe, Atsushi Hashimoto, Kensusuke Sakakibara, Yoshihiro Fujita, Yoshihiro Fujisawa (Surgical Intensive Care Unit and Anesthesiology, Aichi Medical University, Japan)

EngO1-3  Work related noise exposure and stress in intensive care unit
Seungho Jung, Jeongmin Kim, Sungwon Na (Department of Anesthesiology and Pain Medicine, Yonsei University College of Medicine, Korea)

EngO1-4  Current status of pain and sedation therapy on noninvasive mechanical ventilation in Korean Intensive Care Units: a multi-center observational study
Taehae Kim1, Jae Hwa Cho1, Cheung Soo Shin7, Jeong Soo Kim1, Sunghoon Park1, Korean Non-Invasive Ventilation Study Group (1. Department of Internal Medicine, Gangnam Severance Hospital, Yonsei University College of Medicine, Korea, 2. Department of Anesthesiology, Gangnam Severance Hospital, Yonsei University College of Medicine, Korea, 3. Department of Internal Medicine, Inha University College of Medicine, Korea, 4. Department of Pulmonary, Allergy and Critical Care Medicine, Hallym University Sacred Heart Hospital, Korea)

EngO1-5  Utility of continuous monitoring and visualizing system for respiratory sounds
Kazuya Kikutani, Shinichiro Ohshimo, Shingo Ohki, Hiroshi Giga, Satoshi Yamaga, Takuma Sadamori, Nobuaki Shimoe (Department of Emergency and Critical Care Medicine, Graduate School of Biomedical & Health Sciences, Hiroshima University, Japan)

EngO1-6  (Withdrawn)

March 1, 2019 (Fri)  14:00 ~ 15:00  Room 11 (Room C-2/Kyoto International Conference Center 1F)

English Session 2 (EngO2)

Chair  Fumimasa Amaya (Kyoto Prefectural University of Medicine, Japan)

EngO2-1  Significance of intra aortic balloon pump in increasing the blood flow to the abdominal organs
Arudo Hiraoka, Genta Chikazawa, Kosuke Sakamoto, Toshinori Totsugawa, Kentaro Tamura, Hidenori Yoshitaka, Taichi Sakaguchi (Department of Cardiovascular Surgery, The Sakakibara Heart Institute of Okayama, Japan)

EngO2-2  Effect of certified emergency life saving technicians for out-of-hospital cardiac arrest patients: A report from the JCS-ReSS study
Hiromichi Naito1,2, Tetsuya Yumoto1,2, Yoshio Tahara1,3, Naohiro Yonemoto1,4, Hiroshi Nonogi1,3, Hiroaki Shimokawa1,4, Ken Nagao3 (1. JCS-ReSS Group, Japan, 2. Okayama University Hospital, Advanced Emergency and Critical Care Medical Center, Japan, 3. Division of Coronary Disease, National Cerebral and Cardiovascular Center Hospital, Japan, 4. Department of Biostatistics, Kyoto University School of Public Health, Japan, 5. Shizuoka General Hospital, Japan, 6. Department of Cardiovascular Medicine, Tohoku University Hospital, Japan, 7. Niho University Hospital, Cardiovascular Center, Japan)

EngO2-3  Geographical differences on national meeting effect in patients with out-of-hospital cardiac arrests: A report from the JCS-ReSS study
Tetsuya Yumoto1,2, Hiromichi Naito1,2, Yoshio Tahara1,3, Naohiro Yonemoto1,4, Hiroshi Nonogi1,3, Hiroaki Shimokawa1,4, Ken Nagao3 (1. JCS-ReSS study group, Japan, 2. Department of Emergency, Critical Care, and Disaster Medicine,Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Japan, 3. Division of Coronary Disease, National Cerebral and Cardiovascular Center Hospital, Japan, 4. Department of Biostatistics, Kyoto University School of Public Health, Japan, 5. Shizuoka General Hospital, Japan, 6. Department of Cardiovascular Medicine, Tohoku University Hospital, Japan, 7. Niho University Hospital, Cardiovascular Center, Japan)

EngO2-4  Are school hours associated with better outcomes of out-of-hospital cardiac arrest in school children?
Hideo Inaba1, Akira Yamashita3, Hisanori Kurosaki1, Keisuke Ohta1, Yasuhiro Myoj1 (1. Department of Circulatory Emergency and Resuscitation Science, Kanazawa University Graduate School of Medicine, Japan, 2. Department of Cardiology, Noto General Hospital, Japan, 3. Emergency Medical Center, Ishikawa Prefectural Central Hospital, Japan)

Live streaming available
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EngO2-5 Extracorporeal cardiopulmonary resuscitation and damage control surgery for cardiac arrest due to postpartum hemorrhage

Kenshin Shimono1, Hirokazu Onishi2, Ryuji Sugimoto3, Chiyoka Kosaihira4, Masato Kamitomo5, Takeshi Kodama6, Tsuyosi Ueno7, Junichiro Hamasaki8, Shohei Matsukubo9, Hideaki Yoshihara1 (1. Department of Emergency and Critical Care Center, Kagoshima City Hospital, Japan, 2. Department of Obstetrics and Gynecology, Kagoshima City Hospital, Japan, 3. Department of Critical Care Medicine, Kagoshima City Hospital, Japan)

EngO2-6 (Withdrawn)

March 2, 2019 (Sat) 8:45 ~ 9:45 Room 11 (Room C-2/Kyoto International Conference Center 1F)

English Session 3 (EngO3)

Chair Atsushi Kawaguchi (University of Montreal, Canada)

EngO3-1 Clinical analysis of prolonged mechanical ventilation > 72hrs following acute type A aortic dissection repair

Genta Chikazawa, Kentaro Tamura, Arudo Hiraoka, Toshinori Totsugawa, Atsuhisa Ishida, Satoko Ishii, Taichi Sakaguchi, Hidenori Yoshitaka (Department of Cardiovascular Surgery and Surgical ICU, The Sakakibara Heart Institute of Okayama, Japan)

EngO3-2 Measurement of esophageal pressure to assess extubation readiness in a neonate with congenital diaphragmatic hernia: its feasibility and usefulness

Masashi Taniguchi, Yu Inata, Takeshi Hatachi, Yoshiyuki Shimizu, Kazuya Tachibana, Muneyuki Takeuchi (Department of Intensive Care Medicine, Osaka Women’s and Children’s Medical Center, Japan)

EngO3-3 Current practice of high-flow nasal cannula-the pilot study

Je Hyeong Kim1, Byun Gi Kim2, Su A Kim3, You Sang Ko4, Won Gun Kwack5, So Young Park6 (1. Department of Critical Care Medicine, Korea University Ansan Hospital, Korea, 2. Division of Pulmonology, Department of Internal Medicine, Korea University Ansan Hospital, Korea, 3. Division of Pulmonary, Allergy and Critical Care Medicine, Department of Internal Medicine, Kangdong Sacred Heart Hospital, Korea, 4. Division of Pulmonary, Allergy and Critical Care Medicine, Department of Internal Medicine, Kyung Hee University Hospital, Korea, 5. Department of Pulmonary and Critical Care Medicine, Chung Nam National University Medical Center, Korea)

EngO3-4 High-flow nasal cannula induced tension pneumocephalus

Youjin Chang1, Tae-Gyu Kim2, Sun-Yoon Chung3 (1. Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Inje University College of Medicine, Sanggye Paik Hospital, Korea, 2. Department of Radiology, Inje University College of Medicine, Sanggye Paik Hospital, Korea, 3. Department of Neurosurgery, Inje University College of Medicine, Sanggye Paik Hospital, Korea)

EngO3-5 Effect of high-flow via non-rebreathing face mask compared to nasal cannula on nasopharyngeal CPAP, gas exchange and clinical outcome after extubation in surgical patients

Suntithi Morakul1, Poungrat Thungtitigul2, Preeda Sumritpradit3, Pongsasit Singhatas4, Viratch Tangsujaritvijit4 (1. Department of Anesthesiology, Ramathibodi Hospital, Mahidol University, Thailand, 2. Critical care unit, Department of Medicine, Vajira Hospital, Navamindradhiraj University, Thailand, 3. Department of Surgery, Ramathibodi Hospital, Mahidol University, Thailand, 4. Pulmonary and Critical care unit, Department of Medicine, Ramathibodi Hospital, Mahidol University, Thailand)

EngO3-6 Effect of intraoperative PEEP setting guided by esophageal pressure measurement on oxygenation during laparoscopic gynecologic surgery

Annop Piriyapatsom, Sanchai Phetkampang (Department of Anesthesiology, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand)

EngO4-1 Effectiveness of delta Saturation of brain tissue (StO2) in pre-hospital settings: Pilot study

Junpei Tsukuda, Takeshi Kawaguchi, Seitaro Sugawara, Kentaro Okamoto, Takaki Naito, Takuro Endo, Kenichiro Morisawa, Nobuhiko Shimozawa, Shigeki Fujitani, Yasuhiro Taira (Department of Emergency and Critical Care Medicine, St. Marianna University School of Medicine, Japan)

EngO4-2 Recognition of low body temperature and its association with outcome in bacteremic patients admitted to emergency and critical care center

Nobuaki Shime, Satoshi Yamagata (Department of Emergency and Critical Care Medicine, Hiroshima University, Japan)
EngO4-3  Synergistic cytoprotection by co-treatment with dexamethasone and rapamycin against inflammatory cytokine-induced alveolar epithelial cell injury
Kyungho Chang¹, Ken Kuwajima², Ai Furuta², Masahiko Bougaki², Yoshitsugu Yamada², Shigehito Sawamura¹
(¹. Anesthesiology and Intensive Care Unit, Teikyo University School of Medicine, Japan, 2. Anesthesiology and Pain Relief Center, University of Tokyo Hospital, Japan)

EngO4-4  Crucial role of IL-1R signaling in neutrophils to increase lung permeability in LPS/mechanical ventilation acute lung injury
Nobuyuki Nosaka, Timothy R Crother, Shuang Chen, Moshe Arditi, Kenichi Shimada (Department of Pediatrics, Cedars-Sinai Medical Center, USA)

EngO4-5  Mortality prediction among sepsis patients using a combination of qSOFA, National Early Warning Score, age, gender and serum lactate levels
Chie Tanaka, Takashi Tagami, Shin Sato, Akiko Takehara, Junya Kaneko, Reo Fukuda, Saori Kudo, Masamune Kuno, Kyoko Unemoto (Department of Emergency and Critical Care Medicine, Nippon Medical School Tamanagayama Hospital, Japan)

EngO4-6  Nebulized adrenaline attenuates lung alveolar and interstitial edema compared to phenylephrine and salbutamol in ovine burn and smoke inhalation injury model
Satoshi Fukuda¹², Koji Ihara¹², Yosuke Niimi¹², Ernesto Lopez³, Clark R. Andersen¹⁴, Robert A. Cox¹⁵, David N. Herndon¹², Donald S. Prough¹², Pereelen Enkhbaatar¹² (¹. Department of Anesthesiology, University of Texas Medical Branch at Galveston, USA, 2. Shriners Hospital for Children, USA, 3. Department of Plastic and Reconstructive Surgery, Tokyo Women’s Medical University, Japan, 4. Department of Preventive Medicine & Community Health, Office of Biostatistics, University of Texas Medical Branch, Galveston, USA, 5. Department of Pathology, University of Texas Medical Branch, Galveston, USA)

EngO5-1  Feeding practices of mechanically ventilated intensive care patients: an evaluation of overfeeding and clinical outcomes
Aiko Tanaka¹², Kate Hamilton³, Glenn Eastwood², Daryl Jones², Rinaldo Bellomo² (¹. Department of Anesthesiology and Intensive Care Medicine, Osaka University, Japan, 2. Department of Intensive Care, Austin Hospital, Australia, 3. Nutrition and Dietetic Department, Austin Hospital, Australia)

EngO5-2  Efficacy and safety of fibrinogen concentrate in patients with hemorrhagic shock: a single-center experience
Masakazu Nitta, Hiroshi Endoh, Tadayuki Honda, Hiroki Shimizu, Hiroyuki Honda, Yoshitomi Hoshino, Takashi Hazama, Natsumi Kamimura (Niigata University Medical and Dental Hospital, Advanced Disaster Medicine and Emergency Critical Care Center, Japan)

EngO5-3  Circulating activated protein C levels in septic patients treated with recombinant human soluble thrombomodulin
Takuro Arishima¹, Takashi Ito¹², Tomotsubo Yasuda¹, Nozomi Yashima¹, Chisato Kamikokuryo², Hiroaki Furubeppu¹, Takahiro Futatsuki¹, Hiroyuki Haraura¹, Ichiro Maruyama², Yasuyuki Kakkana³ (¹. Emergency and Critical Care Center, Kagoshima University Hospital, Japan, 2. Systems Biology in Thromboregulation, Kagoshima University Graduate School of Medical and Dental Sciences, Japan, 3. Emergency and Intensive Care Medicine, Kagoshima University Graduate School of Medical and Dental Sciences, Japan)

EngO5-4  Association of liver enzyme with morbidity and mortality in traumatic liver injury patients
Ginhasuphang Wangsaphathawi, Kaweesak Chittawanarat (Division of Surgical Critical Care and Trauma, Department of Surgery, Faculty of Medicine, Chiang Mai University, Thailand)

EngO5-5  A new predictive equation for resting energy expenditure in mechanically ventilated Thai patients
Phoonsak Limraksasin¹, Naprika Kongpolprom¹ (¹. Division of Critical Care Medicine, Department of Anesthesiology, King Chulalongkorn Memorial Hospital, Thailand, 2. Division of Pulmonary and Critical Care Medicine, Department of Medicine, King Chulalongkorn Memorial Hospital, Thailand)

EngO5-6  Comparison of measured energy expenditure using indirect calorimetry versus predictive equations for liver transplant recipients
Seok-Joon Lee¹, Hak-Jae Lee², Yooun-Joong Jung³, Minkyu Han³, Suk-Kyung Hong³ (¹. College of Medicine, University of Ulsan, Korea, 2. Division of Acute Care Surgery, Department of Surgery, University of Ulsan College of Medicine, Ansan Medical Center, Korea, 3. Department of Clinical Epidemiology and Biostatistics, University of Ulsan, Korea)
March 2, 2019 (Sat) 14:00 ~ 15:00 Room 11 (Room C-2/Kyoto International Conference Center 1F)
English Session 6 (EngO6)

**Chair** Takeshi Suzuki (Department of Anesthesiology, Keio University School of Medicine, Japan)

**EngO6-1** Evaluation of clinical pharmacist intervention in surgical intensive care unit
Jiyoung Kim, Jonghee Ko, Soohyun Kim, Eunsun Son, Jeongmin Kim, Sungwon Na (Department of Pharmacy, Yonsei University College of Medicine, Korea)

**EngO6-2** A unique strategy for large bowel perforation with ventriculo-peritoneal shunt: Conversion to ventriculo-atrial shunt
Shota Akabane, Hirokazu Iijima, Shoichi Nakajima, Yukari Kobayashi, Kazunao Watanabe (Tokyo Nishi Tokushukai Hospital, Japan)

**EngO6-3** Influenza-associated septic shock accompanied by septic cardiomyopathy that developed in summer and mimicked fulminating myocarditis
Kei Suzuki, Ryo Esumi, Kaoru Ikejiri, Asami Ito, Yoshiaki Ishihata, Ken Ishikura, Masaki Fujikawa, Hiroshi Imai (Mie University Hospital, the Emergency and Critical Care Center, Japan)

**EngO6-4** Association between appropriate empiric antimicrobial therapy and mortality from bloodstream infections in the intensive care unit
Takeshi Hatachi, Jumpei Okumura, Kota Yoshida, Mami Yamada, Takaaki Akamatsu, Masashi Taniguchi, Jun Takeshita, Kanako Isaka, Kazue Moon, Muneyuki Takeuchi (Osaka Women’s and Children’s Hospital, Japan)

**EngO6-5** Effect of healthcare-associated infections on the length of pediatric intensive care unit stay
Satoshi Yamaga, Nobuaki Shime, Shinichiro Oshimno (Department of Emergency and Critical Care Medicine, Graduate School of Biomedical and Health Sciences, Hiroshima University, Japan)

**EngO6-6** Open label prospective randomised controlled study of high cut point level of procalcitonin guided antibiotic therapeutic protocol in surgical critically ill patients
Kaweesak Chittawatanarat, Narain Chotirosniramit, Kamtone Chandacham, Tidarat Jirangchroenlap, Rungrapa Peerakam, Mudjalin Areerug (Division of Surgical Critical Care and Trauma, Department of Surgery, Faculty of Medicine, Chiang Mai University, Thailand)

March 2, 2019 (Sat) 15:05 ~ 16:05 Room 11 (Room C-2/Kyoto International Conference Center 1F)
English Session 7 (EngO7)

**Chair** Kenji Wakabayashi (Department of Intensive Care Medicine, Tokyo Medical and Dental University, Japan)

**EngO7-1** Characteristics of wound infections among patients injured during torrential rain and landslides, in the 2018 disaster in west Japan
Kazuya Kikutani1, Michihito Kyo1, Junji Itai1, Shinji Kusunoki1, Takao Yamanoue1, Yasumasa Iwasaki2, Itsuo Nakagawa1, Hiroshi Naitou3, Masami Ishikawa2, Nobuaki Shime1 (1. Department of Emergency and Critical Care Medicine, Graduate School of Biomedical and Health Sciences, Hiroshima University, Japan, 2. Department of Emergency, Hiroshima Prefectural Hospital, Japan, 3. Department of Emergency, Chugoku Cancer Center, Japan)

**EngO7-2** Potential benefits of acute-phase cardiac rehabilitation in the intensive care unit for patients with cardiovascular disease - A retrospective observational study-
Nobuaki Hamazaki1, Ryota Matsuura2, Kohei Nozaki1, Takafumi Ichikawa1, Kentaro Kamiya1, Kazumasa Miida1, Tomotaka Koike1, Emi Maekawa1, Masayasu Ara1, Takashi Masuda2 (1. Department of Rehabilitation, Kitasato University Hospital, Japan, 2. Department of Rehabilitation, Kitasato University School of Allied Health Sciences, Japan, 3. Intensive Care Center, Kitasato University Hospital, Japan, 4. Department of Cardiovascular Medicine, Kitasato University School of Medicine, Japan, 5. Department of Anesthesiology, Kitasato University School of Medicine, Japan)

**EngO7-3** Influencing factors on the changes of ICU family members’ satisfaction
Soyoung Yang1, Hye Ki Choi1, In-Ho Yang2, Mira Song3, Jun Ki Min1, Minji Lee1, Yee Hyung Kim2, Sung Wook Kang2 (1. Department of Internal Medicine, Kyung Hee University Hospital at Gang Dong, Korea, 2. Department of Pulmonary and Critical Care Medicine, Kyung Hee University Hospital at Gang Dong, Korea, 3. School of Health in Social Science, University of Edinburgh, UK)

**EngO7-4** Intergrated clinical reasoning assessment in simulation crisis management class
Kanya Kumwilaisak1, Toonchai Indrambarya1, Danai Wangsaturaka1, Paweenuch Bootjeamjal1 (1. Division of critical care, Department of Anesthesiology, King Chulalongkorn Memorial Hospital, Thailand, 2. Department of Pharmacology Faculty of Medicine, Chulalongkorn University, Thailand)

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English Session
EngO7-5 The epidemiology and characteristics of acute kidney injury in the intensive care unit in resource limited settings: A prospective multicenter study

Nattachai Srisawat1,2, Win Kulvichit1,2, Noppathorn Mahamitra1, Cameron Hurst3, Kearthak Praditpornsilpa1, Nuttham Lumlertgul4, Kriang Tungsanga1, Somchai Eiam-Ong1, Visith Sitprija1, John A Kellum2, Konlawij Trongtrakul5, SEA-AKI study group (1. Division of Nephrology, Department of Medicine, Faculty of Medicine, Chulalongkorn University, and King Chulalongkorn Memorial Hospital, Thailand, 2. Center for Critical Care Nephrology; The CRISMA Center, Department of Critical Care Medicine, University of Pittsburgh School of Medicine, USA, 3. Statistics Unit, QIMR Berghofer Medical Research Institute, Australia, 4. Queen Saovabha Memorial Institute, Thai Red Cross, Thailand, 5. Vajira Hospital, Navamindradhiraj University, Thailand)

EngO7-6 Predictive factors of abnormal finding detected by computerized tomography scan of brain among medical critically ill patients

Surat Tongyoo1, Meettee Vichutavate1, Tipa Chakorn2, Chairat Permpikul1 (1. Department of Internal Medicine, Faculty of Medicine, Siriraj Hospital, Mahidol University, Thailand, 2. Department of Emergency Medicine, Faculty of Medicine, Siriraj Hospital, Mahidol University, Thailand)

March 2, 2019 (Sat) 16:10 ~ 17:10 Room 11 (Room C-2/Kyoto International Conference Center 1F) English Session 8 (EngO8)

EngO8-1 Newly introduced educational program on coping with ICU surge during the Mass Casualty Incident

Takamitsu Kodama1, Eiji Kawamoto2, Yasuhiro Irie3, Yoichi Kase4, Masashi Nakagawa5 (1. Aichi Medical University, Center for Disaster Medical Sciences, Japan, 2. Mie University Hospital, Medical Emergency Center, Japan, 3. Seirei Yokohama Hospital, Department of Emergency Medicine, Japan, 4. Jikei University Kashiwa Hospital, Department of Anesthesiology, Japan, 5. Tokyo Women’s Medical University, Department of Intensive Care Medicine, Japan)

EngO8-2 Development of an easy-to-use questionnaire for critical care nursing competence related to patient safety in Japan: a cross-sectional study

Masatoshi Okumura1, Tomonori Ishigaki2, Kazunao Mori1, Yoshihiro Fujiwara1 (1. Department of Anesthesiology, Aichi Medical University, Japan, 2. Department of Business Administration, Nanzan University, Japan)

EngO8-3 The patient’s life inside hospital difference between Japan and Thailand

Nobuichiro Tamura1, Tawatchai Impool2 (1. Kurashiki Central Hospital, Japan, 2. KhonKaen Hospital, Thailand)

EngO8-4 Successful management fatal systemic air embolism of CT-guided lung biopsy: Case report

Yi-Pin Chou1,3,4, Tung-Ho Wu2,3, Hsing-Lin Lin1 (1. Division of Thoracic Surgery, Department of Surgery, Veterans General Hospital, Taiwan, 2. Division of Cardiovascular Surgery, Department of Surgery, Veterans General Hospital, Taiwan, 3. Department of Critical Care Medicine, Veterans General Hospital, Taiwan, 4. Division of Trauma, Department of Emergency, Veterans General Hospital, Taiwan)

EngO8-5 Trauma system including trauma center: a death review from premature trauma center in Korea

Byungchul Yu, Mina Lee, Giljae Lee, Jungnam Lee (1. Gachon University Gil Medical Center, Korea)

EngO8-6 Effects of an isotonic balanced sodium solution and acetated Ringer’s solution on the incidence of hyponatremia in patients who have cardiac surgery

Sunthiti Morakul1, Naruemol Prachanpanich1, Piyarat Sittiwanna1, Sunmetha Jiraratkul2 (1. Department of Anesthesiology, Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Thailand, 2. Department of Surgery, Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Thailand)