

# [English Session]

## Invited Lecture

1st day (February 9)

9 : 00 ~ 9 : 40 President's Room Hotel Nikko Tokyo 1F Sirius

Invited Lecture 1 (IL1) Novelties in acute heart failure

Alexandre Mebazaa<sup>1</sup>, Shiro Ishihara<sup>2</sup>, Naoki Sato<sup>2</sup> (1. Department of Anesthesiology, Hopital Lariboisiere, Paris, France, 2. Internal Medicine and Cardiology, Nippon Medical School Musashi-Kosugi Hospital, Kanagawa, Japan)

Chair Yasushi Sakata (The Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita, Japan)

9 : 50 ~ 10 : 30 President's Room Hotel Nikko Tokyo 1F Sirius

Invited Lecture 2 (IL2) Improving Sepsis Care in Resource Limited Nations

Joseph Christopher Farmer (Department of Critical Care Medicine, Mayo Clinic Arizona, USA)

Chair Kazufumi Okamoto (Maruko Central Hospital, Japan)

10 : 40 ~ 11 : 20 President's Room Hotel Nikko Tokyo 1F Sirius

Invited Lecture 3 (IL3) The tele-ICU — is this our inevitable future?

Edgar J Jimenez (Baylor Scott & White, USA)

Chair Masaji Nishimura (Emergency and Critical Care Medicine, The University of Tokushima Graduate School, Japan)

11 : 30 ~ 12 : 10 President's Room Hotel Nikko Tokyo 1F Sirius

Invited Lecture 4 (IL4) "Impella for the intensivist" A clinical review of Impella in critically ill patients

Brian David Porvin (Department of Pulmonary and Critical Care Medicine, John C. Lincoln Hospital, Phoenix, AZ, USA)

Chair Koichi Nakao (Division of Cardiology, Saiseikai Kumamoto Hospital Cardiovascular Center, Kumamoto, Japan)

16 : 30 ~ 17 : 10 President's Room Hotel Nikko Tokyo 1F Sirius

Invited Lecture 7 (IL7) New Insights on VILI coming from imaging and clinical studies

Marcelo BP Amato (Cardio-Pulmonary Department, InCor - Heart Institute, Faculdade de Medicina da Universidade de São Paulo, São Paulo, Brazil)

Chair Shinhiro Takeda (Department of Intensive Care Medicine, Nippon Medical School Hospital, Tokyo, Japan)

17 : 20 ~ 18 : 00 President's Room Hotel Nikko Tokyo 1F Sirius

Invited Lecture 8 (IL8) The role of abdominal compliance in the critically ill: the neglected parameter

Manu Malbrain (ICU and High Care Burn Unit, ZNA Stuivenberg/St-Erasmus, Belgium)

Chair Tetsuya Sakamoto (Department of Emergency Medicine, Trauma and Resuscitation Center, Teikyo University School of Medicine, Japan)

2nd day (February 10)

8 : 40 ~ 9 : 20 President's Room Hotel Nikko Tokyo 1F Sirius

Invited Lecture 9 (IL9) Recent advances in *Pediatric Neurocritical Care*

Robert C Tasker (Harvard Medical School, Departments of Neurology and Anesthesiology, Perioperative and Pain Medicine, Division of Critical Care Medicine, Boston Children's Hospital, USA)

Chair Nobuaki Shime (Emergency and Critical Care Medicine, Kyoto Medical Center, Kyoto, Japan)

9 : 30 ~ 10 : 10 President's Room Hotel Nikko Tokyo 1F Sirius

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**Invited Lecture 10 (IL10) Remote Monitoring Trials in HF: Technology vs. Trial Methodology**  
Faiez Zannad (INSERM, Centre d' Investigation Clinique 9501 and Unité 1116, Centre Hospitalier Universitaire, Department of Cardiology, and Université de Lorraine, Nancy, France)  
Chair Morimasa Takayama (Department of Cardiology, Sakakibara Heart Institute, Japan Cardiovascular Research Promotion Society, Japan)

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10 : 20 ~ 11 : 00 President's Room Hotel Nikko Tokyo 1F Sirius

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**Invited Lecture 11 (IL11) Treatment of right ventricular failure in the intensive care unit, lessons from pulmonary endarterectomy surgery**  
David P Jenkins (Department of Cardiothoracic Surgery, Papworth Hospital, Cambridge, UK)  
Chair Hitoshi Ogino (Department of Cardiovascular Surgery, Tokyo Medical University Hospital, Tokyo, Japan)

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11 : 10 ~ 11 : 50 President's Room Hotel Nikko Tokyo 1F Sirius

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**Invited Lecture 12 (IL12) Targeted temperature management at 33°C vs 36°C after cardiac arrest**  
Hans Friberg<sup>1</sup>, Tobias Cronberg<sup>2</sup>, Niklas Nielsen<sup>3</sup> (1. Department of Anesthesiology and Intensive Care, Skåne University Hospital, Lund, Sweden, 2. Department of Neurology, Skåne University Hospital, Lund, Sweden, 3. Department of Anesthesiology and Intensive Care, Helsingborg Hospital, Sweden)  
Chair Hiroyuki Uchino (Department of Anesthesiology, Tokyo Medical University, Tokyo, Japan)

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15 : 30 ~ 16 : 10 President's Room Hotel Nikko Tokyo 1F Sirius

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**Invited Lecture 13 (IL13) Let's have a break! For how long should we treat our patients with antibiotics?**  
Michael G Meisner (Clinic of Anaesthesiology and Intensive Care Medicine, Städtisches Krankenhaus Dresden-Neustadt, Germany)  
Chair Hiroyuki Hirasawa (Chiba University/Eastern Chiba Medical Center, Chiba, Japan)

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16 : 20 ~ 17 : 00 President's Room Hotel Nikko Tokyo 1F Sirius

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**Invited Lecture 14 (IL14) The Aftermath of Severe AKI: Focus on Renal Recovery**  
Dinna N Cruz (Division of Nephrology-Hypertension, Department of Medicine, University of California, San Diego, San Diego, California, USA)  
Chair Takuya Ueno (Division of Acute and Critical Care Medicine, Tokyo Medical University Hachioji Medical Center, Tokyo, Japan/Transplant Research Center, Brigham and Women's Hospital, Harvard Medical School, USA)

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2nd day (February 10)

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10 : 40 ~ 11 : 40 Room 8 Grand Pacific Le Daiba B1F Palais-Royal A

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**Nurse Invited Lecture (NIL) Implementing Evidence-Based Best Practices to Prevent Ventilator-Associated Events**  
Devin S Carr (Surgery Patient Center, Vanderbilt University Medical Center, Nashville, TN, USA)  
Chair Akemi Utsunomiya (St Luke's International University, Japan)

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## Educational Lecture

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2nd day (February 10)

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8 : 40 ~ 9 : 20 Room 4 Hotel Nikko Tokyo 1F Apollon

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**Educational Lecture 5 (EL5) Expecting the Unexpected - A review of Personal Protective Equipment for the ICU staff in severe contagious diseases**  
Edgar J Jimenez (Baylor Scott & White, USA)

## JSICM/KSCCM Joint Symposium

2nd day (February 10)

8 : 40 ~ 10 : 10 Room 3 Hotel Nikko Tokyo 1F Jupiter

### JSICM/KSCCM Joint Symposium Sepsis and organ dysfunction

- Chair Naoyuki Matsuda (Department of Emergency & Critical Care Medicine, Nagoya University Graduate School of Medicine, Ube, Japan)  
Dong Chan Kim (Chonbuk University, Korea)
- JKS1 Sepsis-associated encephalopathy  
Yasutaka Oda, Ryosuke Tsuruta (Emergency and Critical Care Medicine, Yamaguchi University Graduate School of Medicine, Ube, Japan)
- JKS2 Sepsis induced cardiac dysfunction  
Ho Geol Ryu (Department of Anesthesiology, Seoul National University Hospital, Seoul, Korea)
- JKS3 ARDS in Korea  
Sang-Bum Hong (Department of Respiratory and Critical Care Medicine, University of Ulsan, Asan Medical Center, Korea)
- JKS4 Early intervention based on prediction formula is effective method to avoid unnecessary transplantation  
Kazuaki Inoue<sup>1</sup>, Shinsyou Yoshiba<sup>2</sup> (1. Department of Internal Medicine, Division of Gastroenterology, Showa University Fujigaoka Hospital, Yokohama, Japan, 2. Kasai Shoikai Hospital, Tokyo, Japan)
- JKS5 Sepsis and acute kidney injury  
Kent Doi (Department of Emergency and Critical Care Medicine, The University of Tokyo, Tokyo, Japan)
- JKS6 Disseminated Intravascular Coagulation and Endothelial Dysfunction  
Sungwon Na (Department of Anesthesiology and Pain Medicine, Korea)

## International Oral Session

1st day (February 9)

14 : 00 ~ 15 : 30 Room 3 Hotel Nikko Tokyo 1F Jupiter

### International Oral Session 1 Volume overload in acute heart failure: from organ congestion to "decongestive therapy"

- Chair Alexandre Mebazaa (Department of Anesthesiology, Hopital Lariboisiere, Paris, France)  
Brian David Porvin (Department of Pulmonary and Critical Care Medicine, John C. Lincoln Hospital, Phoenix, AZ, USA)
1. Overview of pathophysiology of acute heart failure
- IO1-1 Acute congestion  
Shiro Ishihara (Internal Medicine and Cardiology, Nippon Medical School Musashi-Kosugi Hospital, Kanagawa, Japan)
- IO1-2 Cardiogenic shock  
Tatsunori Taniguchi (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Japan)
2. Treatment strategy
- IO1-3 How would I treat acute congestion?  
Alexandre Mebazaa (Department of Anesthesiology, Hopital Lariboisiere, Paris, France)
- IO1-4 Medical therapies of cardiogenic shock  
Keisuke Kida (Department of Cardiology, St. Marianna University School of Medicine Hospital, Japan)
3. Cardiac assist devices
- IO1-5 The experience of the percutaneous cardiopulmonary support system in the tertiary medical center, Taiwan — A Single-Center Observational Study —  
Shih-Chieh Chien<sup>1</sup>, Wei-Ren Lan<sup>2</sup>, Cheng-Ting Tsai<sup>2</sup>, Chi-Yin Lo<sup>1</sup>, Jen-Yuan Kuo<sup>2</sup>, Jia-Yin Hou<sup>1</sup> (1. Department of Cardiology and Critical Care Medicine, MacKay Memorial Hospital, Taipei, Taiwan, 2. Department of Cardiology, MacKay Memorial Hospital, Taipei, Taiwan)
- IO1-6 Impella  
Brian David Porvin (Department of Pulmonary and Critical Care Medicine, John C. Lincoln Hospital, Phoenix, AZ, USA)

International Oral Session 2

- Chair Shyr-Chyr Chen (Department of Emergency Medicine, National Taiwan University Hospital, Taiwan)  
Satoshi Gando (Division of Acute and Critical Care Medicine, Department of Anesthesiology and Critical Care Medicine, Hokkaido University Graduate School of Medicine, Japan)
- IO2-1 The perioperative risk factors for postoperative pressure ulcer in surgical patients  
Namoo Kim, Jeongmin Kim, Sungwon Na (Department of Anesthesiology and Pain Medicine, Severance Hospital, Yonsei University College of Medicine, Korea)
- IO2-2 Bioelectrical impedance analysis of nutritional status in critically ill patients  
Song Mi Lee<sup>1</sup>, Yoo Jin Lee<sup>2</sup>, Cheung Soo Shin<sup>3</sup> (1. Department of Nutrition Services, Gangnam Severance Hospital, Korea, 2. Department of Clinical Health Sciences, The Graduate School of Clinical Health Science, Ewha Womans University, Korea, 3. Department of Anesthesiology and Pain Medicine, Yonsei University College of Medicine, Korea)
- IO2-3 Dexmedetomidine preconditioning attenuates cisplatin-induced ototoxicity in zebrafish  
Too Jae Min, Woon Young Kim (Department of Anesthesiology and Pain Medicine, Korea University Ansan Hospital, Korea University College of Medicine, Ansan, Korea)
- IO2-4 Serum Potassium Level and the Outcomes of Medical Critically Ill Patients  
Surat Tongyoo<sup>1</sup>, Permpikul Chairat<sup>2</sup> (1. Division of Critical Care, Department of Medicine, Siriraj Hospital, Bangkok, Thailand, 2. Siriraj Hospital, Bangkok, Thailand)
- IO2-5 How much of fluid accumulation impact adverse outcomes in Surgical ICU  
Kaweesak Chittawatanarat<sup>1</sup>, Tosapon Pichaiya<sup>2</sup> (1. Department of Surgery, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand, 2. Department of Physical Therapy, Faculty of Associated Medical Science, Chiang Mai University, Chiang Mai, Thailand)
- IO2-6 A 7- year retrospective study evaluated the association between seasonal and meteorological change and incidence of aneurysmal subarachnoid haemorrhage in only one hospital  
Jung Hee Kim, Kwan Young Song, Se Yon Jang, Min Ho Kong (Department of Neurosurgery, Seoul Medical Center, Korea)
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2nd day (February 10)

International Oral Session 3

- Chair Sungwon Na (Department of Anesthesiology and Pain Medicine, Korea)  
Keiichi Tada (Hamawaki Orthopaedic Hospital, Japan)
- IO3-1 Impact of Cancer on Survival of Patients with AKI on CRRT  
Ho Sik Shin, Ye Na Kim, Yeon Soon Jung, Hark Rim (Department of Nephrology, Gospel Hospital, College of Medicine, Kosin University, Korea)
- IO3-2 Impact of Vitamin D Deficiency on Poor Neurologic Outcome after Sudden Cardiac Arrest  
Jin Wi, Hui-Nam Pak, Boyoung Joung, Moon-Hyoung Lee (Yonsei Cardiovascular Research Institute, Division of Cardiology, Department of Internal Medicine, Yonsei University College of Medicine, Seoul, Korea)
- IO3-3 Impact of glucose variability on the treatment outcomes of sepsis and septic shock  
Chairat Permpikul<sup>1</sup>, Pantaree Aswanetmanee<sup>2</sup> (1. Division of Critical Care, Department of Medicine, Siriraj Hospital, Mahidol University, Thailand, 2. Department of Medicine, Siriraj Hospital, Mahidol University, Thailand)
- IO3-4 Metformin-associated lactic acidosis: Clinical manifestations and effect of renal replacement therapy (RRT) on outcome  
Ranistha Ratanarat, Sirichai Jamnongprasatporn, Chairat Permpikul (Division of Critical Care, Department of Medicine, Siriraj Hospital, Mahidol University, Thailand)
- IO3-5 Agreement and correlation of arterial blood glucose level measured by point of care (POC) glucometer and standard venous blood measurement in medical critically ill patients  
Rungsun Bhurayanontachai<sup>1</sup>, Kongsak Tangtongbenchasi<sup>2</sup> (1. Division of Critical Care Medicine, Department of Internal Medicine, Faculty of Medicine, Prince of Songkla University, Hat Yai, Songkhla, Thailand, 2. Department of Internal Medicine, Faculty of Medicine, Prince of Songkla University, Hat Yai, Songkhla, Thailand)

- IO3-6 Can the change of procalcitonin levels predict outcome of severe sepsis and septic shock patients?  
Jeong-Am Ryu<sup>1</sup>, Jeong Hoon Yang<sup>2</sup>, Kyeongman Jeon<sup>3</sup>, Chi-Min Park<sup>4</sup>, Chi Ryang Chung<sup>1</sup>, Gee Young Suh<sup>3</sup>  
(1. Department of Critical Care Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, 2. Division of Cardiology, Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, 3. Division of Pulmonary and Critical Care Medicine, Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, 4. Department of Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea)

## International Poster Session

2nd day (February 10)

15 : 50 ~ 16 : 50 Room14 Grand Pacific Le Daiba B1F Concerto

### International Poster Session 1

Chair Yasuyoshi Takei (Department of Cardiology, Tokyo Medical University, Japan)

- IP1-1 Combining Tissue Doppler Echocardiography and Lung Rockets Sign in the Differential Diagnosis of Acute Dyspnea  
Young-Rock Ha, Young-Geun Lee, Jung-Hwan Ahn (Department of Emergency Medicine, Bundang Jeseang Hospital, Korea)
- IP1-2 Effect of high-dose ulinastatin on postoperative lung function in patients undergoing aortic valve surgery employing cardiopulmonary bypass: a retrospective study  
Tae-Yop Kim, Gayon Yu, Eugene Jung, Nazri Muhammad, Woon-Seok Kang, Yoon Hee Kim (Department of Anesthesiology, Konkuk University Medical Center, Korea)
- IP1-3 The usefulness of lung ultrasound in differential diagnosis for bilateral diffuse infiltration on chest X-ray  
Jin Jeon<sup>1</sup>, Younsuck Koh<sup>2</sup>, Chae-Man Lim<sup>2</sup>, Sang-Bum Hong<sup>2</sup> (1. Department of Intensive Care Medicine, Asan Medical Center, Korea, 2. Department of Pulmonology & Intensive Care Medicine, Asan Medical Center, Korea)
- IP1-4 Optimization serum sodium concentrations in heart failure patients: the potential role of Tolvaptan  
Masataka Kobayashi<sup>1</sup>, Kunihiko Teraoka<sup>2</sup>, Yoichi Iwasaki<sup>2</sup>, Masataka Watanabe<sup>1</sup>, Kenji Takazawa<sup>2</sup>, Akira Yamashina<sup>1</sup> (1. The Department of Cardiology, Tokyo Medical University, Tokyo, Japan, 2. The Department of Cardiology, Tokyo Medical University Hachioji Medical Center, Tokyo, Japan)

15 : 50 ~ 16 : 50 Room14 Grand Pacific Le Daiba B1F Concerto

### International Poster Session 2

Chair Chairat Permpikul (Division of Critical Care, Department of Medicine, Siriraj Hospital, Mahidol University, Thailand)

- IP2-1 Clinical Outcomes of Extracorporeal Membrane Oxygenation Support for Patients with Hematologic Malignancies  
Seok-Chan Kim, Hwa-Young Lee, Hye-Sun Kang, Chin Kook Lee (Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul St. Mary's Hospital, The Catholic University of Korea, College of Medicine, Seoul, Korea)
- IP2-2 Downtime and Neurologic Outcome in Comatose Patients Treated with Therapeutic Hypothermia after out-of-Hospital Cardiac Arrest  
Won Young Kim (Department of Emergency Medicine, Asan Medical Center, Seoul, Korea)
- IP2-3 Infectious Complications related to Extracorporeal Membrane Oxygenation in Adult Patients  
Yun Seong Kim, Dong Wan Kim, Woo Hyun Cho, Doo Soo Jeon, Seong Hoon Yoon, Hye Ju Yeo, Bong Soo Son, Do Hyung Kim (Department of Internal Medicine, Pusan National University Yangsan Hospital, Korea)

15 : 50 ~ 16 : 50 Room14 Grand Pacific Le Daiba B1F Concerto

### International Poster Session 3

Chair Joseph Christopher Farmer (Department of Critical Care Medicine, Mayo Clinic Arizona, USA)

- IP3-1 The inter-rater reliability of Simplified Acute Physiology Score 3 (SAPS3) between intensive care unit nurses  
Jung Won Kim, Jun Hyun Kim (Department of Anesthesiology and Pain Medicine, Ilsan Paik Hospital, Korea)

- IP3-2 Incidence and risk factors of immediate prolonged postoperative delirium in a surgical ICU  
Hannah Lee, Ho Geol Ryu, Jae-Woo Ju (Department of Anesthesia and Pain Medicine, Seoul National University Hospital, Korea)
- IP3-3 Safety and feasibility of early physical therapy and mobility for critically ill patients in MICU  
Chi Ryang Chung<sup>1</sup>, Young Jun Ko<sup>2</sup>, Kyeongman Jeon<sup>3</sup>, Chi Min Park<sup>4</sup>, Jeong Hoon Yang<sup>5, 6</sup>, Gee Young Suh<sup>3</sup>  
(1. Department of Critical Care Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, 2. Department of Physical and Rehabilitation Medicine, Samsung Medical Center, Korea, 3. Division of Pulmonary and Critical Care Medicine, Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, 4. Department of Critical Care Medicine, Department of Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, 5. Division of Cardiology, Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, 6. Division of Cardiology, Department of Critical Care Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea)
- IP3-4 Is further radiographic evaluation for ankle and midfoot fracture detection required in acute ankle injury patients? a comparison of plain ankle radiography and three-dimensional computed tomography in an emergency department setting  
Seung Whan Kim (Department of Emergency Medicine, College of Medicine, Chungnam National University, Daejeon, Korea)

15 : 50 ~ 16 : 50 Room14 Grand Pacific Le Daiba B1F Concerto

#### International Poster Session 4

Chair Edgar J Jimenez (Baylor Scott & White, USA)

- IP4-1 Child-Pugh scores and mechanical ventilation time predict delirium after liver transplantation  
Jeong-Moo Lee<sup>1</sup>, Ho Geol Ryu<sup>2</sup>, Hannah Lee<sup>2</sup> (1. Department of Surgery, Seoul National University College of Medicine, Seoul, Korea, 2. Department of Anesthesiology, Seoul National University College of Medicine, Seoul, Korea)
- IP4-2 Video laryngoscope versus direct laryngoscope for tracheal intubation during in-hospital cardiopulmonary resuscitation  
Soonyoung Park<sup>1</sup>, Dong Hyun Lee<sup>1</sup>, Younsuck Koh<sup>2</sup>, Chae-Man Lim<sup>2</sup>, Jin Won Huh<sup>2</sup>, Sang-Bum Hong<sup>2</sup>  
(1. Department of Critical Care Medicine, Asan Medical Center, College of Medicine, University of Ulsan, Seoul, Korea, 2. Department of Pulmonary and Critical Care Medicine, Asan Medical Center, College of Medicine, University of Ulsan, Seoul, Korea)
- IP4-3 Clinical Impact of Early Bronchoscopy in Mechanically Ventilated Patients with Aspiration Pneumonia  
Young-Jae Cho<sup>1</sup>, Hyun Woo Lee<sup>1</sup>, Jinsoo Min<sup>1</sup>, Jisoo Park<sup>1</sup>, Yeon Joo Lee<sup>1</sup>, Sangheon Park<sup>2</sup>, Seung-Hye Choi<sup>3</sup>, Jee Young Kim<sup>1</sup>, Eun Young Lee<sup>4</sup> (1. Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University College of Medicine, Seoul National University Bundang Hospital, Korea, 2. Department of Anesthesiology, Seoul National University College of Medicine, Seoul National University Bundang Hospital, Korea, 3. Department of Nursing Science, Suwon University, Korea, 4. Interdepartment of Critical Care Medicine, Seoul National University Bundang Hospital, Korea)