



One Step Further:  
The Pursuit of Excellence in Critical Care

**12th Congress of the World Federation of  
Societies of Intensive and Critical Care Medicine**  
in collaboration with the WFCCN and WFPICCS

August 29 (Sat) – September 1 (Tue), 2015 COEX, Seoul, Korea

**Scientific Program**

August 12, 2015

[www.wfsiccm2015.com](http://www.wfsiccm2015.com)

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PL	Plenary Lecture	PED	Pediatrics Session (WFPICCS)
SP	Section Plenary Lecture	SU	Step-up Session
ME	Meet the Expert	LS	Luncheon Symposium
SY	Symposium	OP	Oral Presentation
NR	Nursing Session (WFCCN)	WS	Workshop

# WFSICCM Seoul 2015 Scientific Program

August 29 (Sat)

<b>PL01</b>	<b>08:40-09:30</b>	<b>Critical Care Medicine: Current and Future Challenges</b>	<b>RM 01</b>	<b>Auditorium</b>
	Speaker	Jean-Louis VINCENT		
<b>PL02</b>	<b>09:30-10:20</b>	<b>The Provision of Critical Care Medicine: Where Should We Begin to Address Current Global Disparities?</b>	<b>RM 01</b>	<b>Auditorium</b>
	Speaker	J. Christopher FARMER		
<b>SP01</b>	<b>09:30-10:20</b>	<b>Advancing Critical Care Nursing</b>	<b>RM 02</b>	<b>GBR 101</b>
	Speaker	Ruth KLEINPELL		
<b>SP02</b>	<b>09:30-10:20</b>	<b>Advances in PIC - What Differences Have We Made in the Last Decades?</b>	<b>RM 11</b>	<b>E5</b>
	Speaker	Sunit SINGHI		
<b>SY01</b>	<b>10:50-12:10</b>	<b>State-of-the-Art in ARDS</b>	<b>RM 01</b>	<b>Auditorium</b>
	Co-Chair	Antonio PESENTI		
	Co-Chair	Yoshihito UJIKE		
	Speaker	Antonio PESENTI	Pathophysiology of Gas Exchange in ARDS	
	Speaker	William HURFORD	Ventilator-Induced Lung Injury	
	Speaker	Laurent BROCHARD	Individualization of Ventilation for ARDS	
<b>SY02</b>	<b>14:30-15:50</b>	<b>Grasping Newer Insights in ARDS</b>	<b>RM 01</b>	<b>Auditorium</b>
	Co-Chair	Davide CHIUMELLO		
	Co-Chair	Joe GN Garcia		
	Speaker	Thomas BEIN	Cognitive Disorders and ARDS - a (Underestimated) Coincidence?	
	Speaker	Joe GN Garcia	Genetics and Genomics of ARDS	
	Speaker	Augustine CHOI	Inflammasomes: New Insights in ARDS	
<b>SY03</b>	<b>16:20-17:40</b>	<b>Slow but Significant Switchovers in ARDS</b>	<b>RM 01</b>	<b>Auditorium</b>
	Co-Chair	Luciano GATTINONI		
	Co-Chair	J. Christopher FARMER		
	Speaker	Luciano GATTINONI	Prone Positioning in ARDS	
	Speaker	Paolo PELOSI	Recruitment Maneuver in ARDS: Looking for the Holy Grail	

	Speaker	William HURFORD	Are Neuromuscular Blockers Helpful in ARDS?		
<b>SY04</b>	<b>10:50-12:10</b>	<b>ICU Rehabilitation: Current Issues</b>		<b>RM 04</b>	<b>GBR 103</b>
	Co-Chair	Carolyn ROCHESTER			
	Co-Chair	Keiichi TADA			
	Speaker	Carolyn ROCHESTER	Changing the ICU Care Paradigm: Role of Early Rehabilitation		
	Speaker	Toru KOTANI	Practical Issues in the Implementation of an Early Mobilization Protocol		
	Speaker	Pedro MENDEZ-TELLEZ	ICU Acquired Weakness: Neuropathy or Myopathy, Epidemiology and Risk Factors		
<b>SY05</b>	<b>14:30-15:50</b>	<b>Pathophysiology of Hemodynamic Derangement</b>		<b>RM 04</b>	<b>GBR 103</b>
	Co-Chair	Jean-Louis TEBOUL			
	Co-Chair	Young-Joo LEE			
	Speaker	Jean-Daniel CHICHE	Coping with the Hemodynamic Effects of PEEP		
	Speaker	Jean-Louis TEBOUL	Extra-Vascular Lung Water and Volume Responsiveness		
	Speaker	F. Javier HURTADO	The Value and Limits of Central and Mixed Venous Oxygen Saturation		
<b>SY06</b>	<b>16:20-17:40</b>	<b>Techniques for Hemodynamic Monitoring</b>		<b>RM 04</b>	<b>GBR 103</b>
	Co-Chair	Michael PINSKY			
	Co-Chair	Kyung SUN			
	Speaker	Michael PINSKY	Functional Hemodynamic Monitoring		
	Speaker	Anthony MCLEAN	The Role of Echo in Evaluating Hemodynamic Status in the Critically Ill		
	Speaker	Jukka TAKALA	Hemodynamic Monitoring 'Back to the Basics!'		
<b>SY07</b>	<b>10:50-12:10</b>	<b>Controversies in the Control of Pain, Anxiety, and Delirium in the ICU</b>		<b>RM 05</b>	<b>GBR 104+5</b>
	Co-Chair	Bin DU			
	Co-Chair	E. Wesley ELY			
	Speaker	Edgar CELIS-RODRIGUEZ	Delirium: Prevalence, Diagnosis, and Prevention		
	Speaker	Guillermo CASTORENA	Analgosedation: What Strategy Is Best?		
	Speaker	E. Wesley ELY	Implementing Change for ICU Patients: the PAD Guideline		
<b>SY08</b>	<b>14:30-16:10</b>	<b>Iatrogenecity in ICU (WFSICCM-WFCCN Joint Symposium)</b>		<b>RM 05</b>	<b>GBR 104+5</b>
	Co-Chair	Masaji NISHIMURA			
	Co-Chair	Steve WEBB			
	Speaker	Steve WEBB (WFSICCM)	Half of What We Do Is Wrong, We Just Don't Know Which Half		

Speaker	Abdel Razek ASSEM (WFSICCM)	Reducing Human Error in ICU
Speaker	John MARSHALL (WFSICCM)	Critical Illness Is an Iatrogenic Disease
Speaker	Maria Isabelita ROGADO (WFCCN)	Patient Safety in the ICU: Key Concepts

<b>SY09</b>	<b>16:20-18:00</b>	<b>Common Problems in ICU</b>	<b>RM 05</b>	<b>GBR 104+5</b>
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Co-Chair	Dean GOPALAN	
Co-Chair	Michael O'LEARY	
Speaker	Hussain AL RAHMA	Arrhythmias, Diagnosis, and Management in ICU
Speaker	Michael O'LEARY	Muscle Wasting and Weakness in Critical Illness
Speaker	Georges OFFENSTADT	Prevention of Gastro Duodenal Stress Bleeding
Speaker	Masaji NISHIMURA	Humidification for Patients with Respiratory Failure

<b>SY10</b>	<b>10:50-12:30</b>	<b>Ethics (1): Decision-Making: Autonomy (Panel Discussion)</b>	<b>RM 08</b>	<b>E1+2</b>
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Co-Chair	Mitchell LEVY	
Co-Chair	Oloan TAMPUBOLON	
Presenter	Gavin JOYNT	Who Should Share in Shared Decision-Making?
Presenter	Mitchell LEVY	The Concept of Autonomy
Presenter	Jason PHUA	Autonomous Decisions: Obstacles
Presenter	Oloan TAMPUBOLON	Why Bother - Autonomy Is Overrated!

<b>SY11</b>	<b>14:30-15:50</b>	<b>Collaboration for Sepsis</b>	<b>RM 08</b>	<b>E1+2</b>
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Co-Chair	H. Kaya YORGANCI	
Co-Chair	Konrad REINHART	
Speaker	Martin DÜNSER	Sepsis in Low and Middle Income Countries
Speaker	Konrad REINHART	The Burden of Sepsis - Why We Need a Global Approach
Speaker	John MARSHALL	Challenges of and Opportunities for Large Collaborations

<b>SY12</b>	<b>16:20-18:00</b>	<b>Emerging New Interpretations of Death by Neurologic Criteria</b>	<b>RM 08</b>	<b>E1+2</b>
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Co-Chair	J. Claude HEMPHILL	
Co-Chair	Younsuck KOH	
Speaker	Leslie WHETSTINE	What is Death by Neurological Criteria, and What It Is Not?
Speaker	David CRIPPEN	Changing Interpretations of Death by Neurologic Criteria: The Mcmath Case
Speaker	Leslie WHETSTINE	Toward a New Paradigm in Death: Consciousness

	Speaker	David CRIPPEN	Must Death by Neurologic Criteria Be Irreversible?		
<b>SY13</b>	<b>10:50-11:50</b>	<b>First Things First: Initial Management for Poisoned Patients</b>		<b>RM 10</b>	<b>E4</b>
	Co-Chair	Clifford S. DEUTSCHMAN			
	Co-Chair	Janice ZIMMERMAN			
	Speaker	Janice ZIMMERMAN	Drugs of Abuse		
	Speaker	Sung Phil CHUNG	Toxicologic Use of Intravenous Lipid Emulsions		
<b>SY14</b>	<b>14:30-15:30</b>	<b>Pro/Con Debates: Who Should Hold the Last Word?</b>		<b>RM 10</b>	<b>E4</b>
	Co-Chair	Jigeeshu DIVATIA			
	Co-Chair	Younsuck KOH			
	Speaker	David CRIPPEN	Why Medical Matters Should be Decided by Medical Experts		
	Speaker	Jigeeshu DIVATIA	Why Patients and Their Families Should Have the Last Word		
<b>SY15</b>	<b>10:30-12:10</b>	<b>Airway</b>		<b>RM 12</b>	<b>E6</b>
	Co-Chair	Hee-Koo YOO			
	Co-Chair	Joseph NATES			
	Speaker	Joseph NATES	Difficult Airway Management: Poor Decisions or Lack of Technical Knowledge?		
	Speaker	Jigeeshu DIVATIA	How Can We Increase the Safety of Tracheal Intubation in Critically Ill Patients?		
	Speaker	Nahit CAKAR	Percutaneous Tracheostomy		
	Speaker	Nestor RAIMONDI	Tracheostomy in the Critically Ill - Pan American and Iberian Federation of Critical Care Medicine (FEPIMCTI) Consensus		
<b>SY16</b>	<b>14:30-15:50</b>	<b>Interface between Critical Care and Disaster Medicine</b>		<b>RM 12</b>	<b>E6</b>
	Co-Chair	Charles GOMERSALL			
	Co-Chair	Edgar JIMENEZ			
	Speaker	Johan VON SCHREEB	The Foreign Medical Teams Process, a Tool to Improve Quality and Coordination of Trauma Care Following Disasters		
	Speaker	Edgar JIMENEZ	The ICU in Disaster		
	Speaker	Joseph NATES	ICU Triage: the MD Anderson Cancer Center Model		
<b>SY17</b>	<b>16:20-17:50</b>	<b>Critical Care in Disaster and War: Field Report</b>		<b>RM 12</b>	<b>E6</b>
	Co-Chair	Gavin JOYNT			
	Co-Chair	Yasuhiro OTOMO			
	Speaker	Johan VON SCHREEB	Experiences from the Haiti Earthquake 2010 and the 2013 Philippines Typhoon		
	Speaker	Yasuhiro OTOMO	Industrial Accident (Fukushima)		

	Speaker	Hiroyuki KATO	Ebola Outbreak		
	Speaker	Janice ZIMMERMAN	WFSICCM Response to Disasters		
<b>NR01</b>	<b>10:50-12:10</b>	<b>Global Leadership</b>		<b>RM 02</b>	<b>GBR 101</b>
	Chair	Kyung Ja SONG			
	Speaker	Gerald WILLIAMS	A Global View of Critical Care: Practice, Policy, and Politics		
	Speaker	Ruth KLEINPELL	The Future of Critical Care Nursing: Practice Advancing Global Critical Care Nursing		
	Speaker	Eva BARKESTAD	Experiences of Inter-Professional Learning in a Clinical Setting on the ICU in Stockholm		
<b>NR02</b>	<b>14:30-15:50</b>	<b>Rehabilitation</b>		<b>RM 02</b>	<b>GBR 101</b>
	Chair	Soonhaeng LEE			
	Speaker	Eva BARKESTAD	How to Encourage Early Mobilisation in ICU		
	Speaker	Kathleen VOLLMAN	Early Mobility: Impact Short and Long Term Outcomes		
	Speaker	Younjung SON	Quality of Life after Discharge from Intensive Care		
<b>NR03</b>	<b>16:20-17:40</b>	<b>New Trends in Critical Care Nursing</b>		<b>RM 02</b>	<b>GBR 101</b>
	Chair	Marion MITCHELL			
	Speaker	Leanne AITKEN	Psychological Recovery after ICU		
	Speaker	Junghoon CHOI	Web Services for a Real-time Conversation with Family Members of ICU Patients		
	Speaker	Sung Soo KIM	Convergence between IT and Intensive Care		
<b>NR04</b>	<b>10:50-12:10</b>	<b>Cardiology Care</b>		<b>RM 03</b>	<b>GBR 102</b>
	Chair	Youngsun JUNG			
	Speaker	Youngae KANG	Hemodynamic Monitoring - Basic Management of Patients with Acute Coronary Syndrome within the ICU		
	Speaker	Sandra GOLDSWORTHY	Hemodynamic Profile Analysis: a Systematic Approach		
	Speaker	Minyoung HAN	Nursing Care for Arrhythmia Patient in ICU		
<b>NR05</b>	<b>14:30-15:50</b>	<b>Respiratory Care</b>		<b>RM 03</b>	<b>GBR 102</b>
	Chair	Nah-Mee SHIN			
	Speaker	David CHAN	The Effect of ETT Interventions on VAP – a Meta-Analysis		
	Speaker	Leanne AITKEN	Sedation and Analgesia in the ICU		
	Speaker	Chae-Man LIM	High-flow Oxygen Therapy: the Concept and Clinical Application		
<b>NR06</b>	<b>16:20-17:40</b>	<b>Neurology Care</b>		<b>RM 03</b>	<b>GBR 102</b>

Chair	Esther WONG	
Speaker	Vedran DUMBOVIC	Using BIS Monitoring in the ICU - Golden Period for Extubation
Speaker	Elizabeth PAPATHANASSOGLOU	Early Progressive Mobility: Effects on the Brain and Immune System
Speaker	Sang-Beom JEON	Hypothermic Therapy Post CPR

**PED01 10:30-12:10 Current Status of Pediatric Intensive Care in Asia and Korea RM 11 E5**

Co-Chair	Niranjan "Tex" KISSOON	
Co-Chair	Kyu-Earn KIM	
Speaker	Jong-Seo YOON	Scenario in Korea
Speaker	Yuxia ZHANG	Scenario in China
Speaker	Sunit SINGHI	Scenario in India
Speaker	Satoshi NAKAGAWA	Scenario in Japan

**PED02 14:30-16:10 Pulmonary Care Including Mechanical Ventilation RM 11 E5**

Co-Chair	Kangmo AHN	
Co-Chair	Sunit SINGHI	
Speaker	Paolo BIBAN	Difficult Weaning from Mechanical Ventilation in Children
Speaker	Nai Shun TSOI	Augmenting Mechanical Ventilation in Children
Speaker	Satoshi NAKAGAWA	High Frequency Ventilation: When Do I Use It?
Speaker	Brad POSS	Rescue Therapies for Intractable Hypoxemia: Do These Make a Difference?

**PED03 16:20-18:00 Cardiac Critical Care RM 11 E5**

Co-Chair	Swee Fong TANG	
Co-Chair	Seong-Ho KIM	
Speaker	Ji-Hyuk YANG	Recent Advances in Pediatric Cardiac Surgery
Speaker	Paolo BIBAN	Cardiac Arrhythmia in the PICU
Speaker	Sunit SINGHI	Myocardial Failure in Tropical Infections
Speaker	June HUH	Heart-Lung Interaction

**LS01 12:30-13:30 Closing the Loop in Ventilation RM 02 GBR 101**

Speaker	Laurent BROCHARD	
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**LS02 12:30-13:30 Hemodynamic Monitoring in 2015: Why and How? RM 04 GBR 103**

Speaker	Andrew RHODES	Hemodynamic Monitoring from OR to SICU – Impact on Surgical Outcomes
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Speaker Frederic MICHARD Using Transpulmonary Thermodilution in Septic Shock and ARDS Patients

**LS03 12:30-13:30 How to Manage Severe MRSA Nosocomial Pneumonia Infections in ICU Setting RM 05 GBR 104+5**

Chair Gee Young SUH

Speaker Bin DU How to Manage Severe MRSA Nosocomial Pneumonia

**LS04 12:30-13:30 Renal Recovery & Survival in CRRT & Fluid Management in CRRT RM 11 E5**

Chair Heungsoo KIM

Speaker William R. CLARK Renal Recovery as a Quality Metric in Acute RRT

Speaker Sang-Kyung JO Fluid Management in Critically Ill AKI Patients

**OP01 10:50-12:10 Administration/Critical Organization RM 06 203**

Co-Chair Hee Beom MOON

Co-Chair Shin Ok KOH

Presenter Agnes HUANG IMPACT OF A MULTIDISCIPLINARY TRACHEOSTOMY CARE TEAM ON TRACHEOSTOMY CARE IN THE GENERAL WARDS

Presenter Rozaliia SOLODOVA AUTOMATIC ROBOTIC SYSTEM OF DIAGNOSING AND TREATMENT IN INTENSIVE CARE UNIT

Presenter Juan Carlos ALVA PINTO LEVEL OF RESOLUTION AND MANAGEMENT OF CRITICAL PATIENTS IN THE ULDARICO ROCCA FERNANDEZ LEVEL I HOSPITAL, LIMA - PERU

Presenter Olubusola T ALAGBE-BRIGGS PROFILE OF ADMISSIONS INTO THE INTENSIVE CARE UNIT IN A COUNTRY WITH EMERGING ECONOMY IN WEST AFRICA.

Presenter Donna K BERNER REDUCING TIME FROM ACCEPTANCE TO INTENSIVE CARE UNIT ARRIVAL

Presenter Jeong Uk LIM CHANGE IN THE AGE DISTRIBUTION OF PATIENTS ADMITTED TO INTENSIVE CARE UNIT OVER THE LAST DECADE AND ITS EFFECT ON CLINICAL OUTCOME

**OP02 14:30-15:50 Nursing: To the Future (1) RM 06 203**

Chair Jiyeon KANG

Presenter Danbi PARK THE OUTCOMES OF DELIRIUM PREVENTION NURSING INTERVENTION IN SURGICAL INTENSIVE CARE UNIT

Presenter Richard B ARBOUR PREDICTIVE VALUE OF THE BISPECTRAL INDEX FOR BURST SUPPRESSION ON DIAGNOSTIC ELECTROENCEPHALOGRAPH DURING DRUG-INDUCED COMA.

Presenter Obiageli C Oguariri NURSING EXPERIENCES OF CARING FOR BURNS PATIENCE WITH SEPSIS IN CRITICAL CARE UNIT IN SOUTH WEST NIGERIA (CASE STUDY NOHI LAGOS)

Presenter Jiyeon KANG ORGANIZATIONAL CULTURE AND WORKPLACE BULLYING IN NURSES

Presenter Rocio FERNANDEZ MENDEZ METHODS FOR GLYCAEMIC CONTROL IMPLEMENTED IN NHS INTENSIVE CARE UNITS IN THE UK: A CROSS-SECTIONAL STUDY IN SEVEN HOSPITALS

**OP03 16:20-17:40 Nursing: To the Future (2) RM 06 203**

Chair Young Hee YI

Presenter	Soo Hyun CHO	DEVELOPMENT OF THE TRANSITIONAL CARE PROGRAM AND ITS EFFECT ON PATIENTS DISCHARGED FROM THE INTENSIVE CARE UNITS
Presenter	Mark FIELDING	VALIDATION OF A COMBINED ANALGESIA & SEDATION PROTOCOL FOR ICU PATIENTS
Presenter	Sungdae SHIN	THE ROLE OF CVCS MANAGERS AND EFFECTIVENESS OF REDUCTION CLABSI IN SURGICAL INTENSIVE CARE UNIT.
Presenter	Richard B ARBOUR	SELF-DESCRIBED NURSING ROLES EXPERIENCED DURING CARE OF DYING PATIENTS AND THEIR FAMILIES: A PHENOMENOLOGICAL STUDY.
Presenter	Sung Ean LEE	PROVIDING THE ICU DIARY AS A THERAPEUTIC TOOL TO AID IN RECOVERY FROM PSYCHOLOGICAL DISTRESS AND IMPROVE THE SATISFACTION OF PATIENTS AND FAMILIES AFTER RECEIVING INTENSIVE CARE.

<b>OP04</b>	<b>10:50-12:10</b>	<b>Trauma</b>	<b>RM 07 208</b>
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Co-Chair	Chul Hyun PARK	
Co-Chair	H. Kaya YORGANCI	
Presenter	Jeong-Sun LEE	A CLINICAL STUDY OF PREDICTIVE FACTORS ASSOCIATED WITH BLEEDING CONTROL IN MULTIPLE TRAUMA PATIENTS WITH MASSIVE BLEEDING
Presenter	Stephen HONEYBUL	LONG TERM OUTCOME FOLLOWING DECOMPRESSIVE CRANIECTOMY FOR SEVERE TRAUMATIC BRAIN INJURY
Presenter	Hayaki UCHINO	FEASIBILITY OF FULLY AUTOMATED CLOSED-LOOP VENTILATION (INTELLIVENT-ASV) FOR PATIENTS WITH TRAUMATIC BRAIN INJURIES IN THE ICU.
Presenter	Min Ae KEUM	CLINICAL REVIEW OF VENTILATOR-ASSOCIATED PNEUMONIA (VAP) IN POLYTRAUMA PATIENTS
Presenter	Bellal JOSEPH	EARLY FEEDS NOT FORCE FEEDS: ENTERAL NUTRITION IN TRAUMATIC BRAIN INJURY

<b>OP05</b>	<b>14:30-15:50</b>	<b>Epidemiology / Outcomes / Quality of Life</b>	<b>RM 07 208</b>
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Co-Chair	Satoshi GANDO	
Co-Chair	Sung Jin HONG	
Presenter	Christiane S HARTOG	DEVELOPMENT OF SEPSIS RATES AND COSTS IN GERMAN HOSPITALS
Presenter	Cornelius SENDAGIRE	INTENSIVE CARE UNIT MORTALITY IN SUB-SAHARAN AFRICA: THE MODIFIED SEQUENTIAL ORGAN FUNCTION ASSESSMENT SCORE
Presenter	Tae Sun HA	CHARACTERISTICS AND OUTCOMES OF CRITICALLY ILL CANCER PATIENTS ADMITTED TO KOREAN INTENSIVE UNITS: MULTICENTER STUDY
Presenter	Dae-Sang LEE	RISK FACTORS OF ICU READMISSION WITHIN 48HRS IN THE CRITICALLY ILL CANCER PATIENTS
Presenter	Amanda SHAKAL	THE INCIDENCE OF POST-OPERATIVE HEMORRHAGE AND HEMATOMA WITH SURGICAL DRAINAGE OR EVACUATION IN THE UNITED STATES FROM 2000-2012

<b>OP06</b>	<b>16:20-17:40</b>	<b>Ethics and End of Life</b>	<b>RM 07 208</b>
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Co-Chair	Cheung Soo SHIN	
Co-Chair	Hee-Koo YOO	
Presenter	Stephen HONEYBUL	CONSENT FOR LIFE SAVING DECOMPRESSIVE CRANIECTOMY: AN OBJECTIVE MODEL

Presenter	Stephen HONEYBUL	REVISITING THE FUTILITY DEBATE IN NEUROCRITICAL CARE
Presenter	Antonio M GONCALVES	ELDERLY MORTALITY IN PORTUGUESE ICU- AN 11 YEARS SURVEY
Presenter	Joseph L. NATES	INTER-FIELD AGREEMENT AMONG INTENSIVE CARE UNITS MEDICAL DIRECTORS AND CLINICAL ETHICS CONSULTANTS CONCERNING END-OF-LIFE DECISION MAKING IN TEXAS MEDICAL CENTER
Presenter	Margarita A TORRES BODEN	LIMITATION OF THE THERAPEUTIC EFFORT IN ICU: ATTITUDE OF MULTIDISCIPLINARY TEAM ABOUT NUTRITION AND HYDRATATION
Presenter	Takuro ARISHIMA	ANALYSIS OF THE CARING RESEARCH IN THE MOUTH CARE

<b>OP07</b>	<b>10:50-12:10</b>	<b>Emergency Medicine</b>	<b>RM 09 E3</b>
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Co-Chair	Masayuki SUZUKAWA	
Co-Chair	Gabteug KIM	
Presenter	Hideo INABA	ASSOCIATION OF EARLY EMERGENCY CALLS BEFORE PATIENT COLLAPSE WITH SURVIVAL FROM OUT-OF-HOSPITAL CARDIAC ARRESTS
Presenter	Hideo INABA	COMPONENT ANALYSES FOR EFFECTIVENESS OF COMPRESSIONS AND VENTILATIONS IN BYSTANDER CARDIOPULMONARY RESUSCITATION
Presenter	Toshihiko MAYUMI	JPN GUIDELINES FOR THE MANAGEMENT OF ACUTE ABDOMEN 2015
Presenter	Toshihiko MAYUMI	REVISED JPN GUIDELINES FOR THE MANAGEMENT OF ACUTE PANCREATITIS: JPN GUIDELINES 2015
Presenter	Young-Sang KO	PROGNOSTIC SIGNIFICANCE OF HYPOVENTILATION INDEX ADJUSTING FOR THE SEVERITY OF METABOLIC ACIDOSIS

<b>OP08</b>	<b>14:30-15:50</b>	<b>Basic Science (1)</b>	<b>RM 09 E3</b>
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Co-Chair	Keiichi TADA	
Co-Chair	Jaeyoung KWON	
Presenter	Ji Eun HWANG	METHYLENE BLUE HAS A BENEFICIAL EFFECT TO PROLONGED CARDIAC ARREST IN RAT MODEL
Presenter	Zhang YU XIANG	ULINASTATIN PROTECT THE HYPOTHALAMUS-PITUITARY- ADRENAL AXIS IN SEPTIC RATS VIA DIFFERENTIAL EXPRESSIONS OF NNOS AND INOS IN THE HYPOTHALAMUS
Presenter	Jong Taek PARK	THE EFFECTS OF PYRIDOXAL 5-PHOSPHATE (PLP) PRETREATMENT IN CECAL LIGATION AND PUNCTURE INDUCED SEPSIS IN MICE
Presenter	Emiel POST	ACUTE RENAL DENERVATION DOES NOT AMELIORATE RENAL FUNCTION IN AN OVINE MODEL OF SEPTIC SHOCK
Presenter	Ernesto LOPEZ	BLOCKAGE OF ARGININE VASOPRESSIN RECEPTOR 2 PREVENTS VASCULAR LEAKAGE AND REDUCES INCREASE IN PULMONARY VASCULAR RESISTANCE IN OVINE SEPSIS
Presenter	Seol-Ju PARK	EFFECTS OF LIPOPOLYSACCHARIDE ON RBC ALTERATION IN MICE ENDOTOXEMIC MODEL

<b>OP09</b>	<b>16:20-17:40</b>	<b>Basic Science (2)</b>	<b>RM 09 E3</b>
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Co-Chair	Sang-Hyun KWAK	
Co-Chair	Murat SUNGER	
Presenter	Jiao LIU	DIFFERENCES IN EXPRESSION OF THE HUMAN SFTPB VARIANT DETERMINE SUSCEPTIBILITY TO STAPHYLOCOCCUS AUREUS INFECTION IN LUNG

Presenter	Woon Yong KWON	NIACIN AND SELENIUM ATTENUATES SEPSIS-INDUCED LUNG INJURY BY UP-REGULATING NRF2 SIGNALING
Presenter	Luis Felipe REYES	MESENCHYMAL STEM CELLS IMPROVES SURVIVAL IN A MICE MODEL OF SEVERE PNEUMOCOCCAL PNEUMONIA
Presenter	Han JIBIN	EP2 GENE-MODIFIED MESENCHYMAL STEM CELLS ENHANCE MIGRATION TO INJURED LUNG TISSUE AND FURTHER ATTENUATE LIPOPOLYSACCHARIDE-INDUCED LUNG INJURY IN MICE
Presenter	Hwa Jin CHO	EFFECTS OF LOW TIDAL VOLUME VENTILATION IN A MURINE MODEL OF VENTILATOR-INDUCED DIAPHRAGMATIC DYSFUNCTION
Presenter	Min-Yeong KANG	EARLY WARNING OF MEMBRANE THICKNESS INCREASE THROUGH DIFFUSING CAPACITY FOR CARBON MONOXIDE

**WS01 14:00-18:00 Adult Extracorporeal Cardiopulmonary Life Support: Basic step for ECPR RM 14 AD2**

Instructor	Su Jin KIM
Instructor	Jae Seung JUNG
Instructor	Sung Woo LEE
Instructor	Yang Hyun CHO
Instructor	Hyung Goo KANG
Instructor	Wook-jin CHOI
Instructor	Hyun Soo CHUNG

**WS02 14:30-17:30 ICU Monitoring Suite - Clinical decision support RM 13 AD1**

Instructor	Chandana SAMARANAYAKE
Instructor	Denise BRADLEY

## August 30 (Sun)

**LS05 12:30-13:30 Practical Management of Invasive Fungal Infection in Critically Ill Patients RM 02 GBR 101**

Chair	Mervyn MER
Instructor	Hyeong Cheon PARK

**PL03 08:00-08:50 From 1972 to Date: My Journey on ARDS Understanding RM 01 Auditorium**

Speaker	Luciano GATTINONI
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**SP03 08:00-08:50 Quality Improvement in Trauma and Critical Care RM 04 GBR 103**

Speaker	Raul COIMBRA
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**SP04 08:00-08:50 Pediatric Critical Care - Low Cost Strategies to Save Many Lives RM 11 E5**

Speaker	Niranjan "Tex" KISSOON
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**SP05 08:00-08:50 Optimizing Neurocritical Care Across Different Healthcare Delivery Systems RM 12 E6**

	Speaker	J. Claude HEMPHILL		
<b>ME01</b>	<b>07:00-07:45</b>	<b>Optimizing Culture Change to Improve Patient Outcomes</b>	<b>RM 02</b>	<b>GBR 101</b>
	Speaker	E. Wesley ELY		
<b>ME02</b>	<b>07:00-07:45</b>	<b>Why Not Measure Blood Volume to Determine the Endpoint of Fluid And Red Cell Resuscitation?</b>	<b>RM 03</b>	<b>GBR 102</b>
	Speaker	Mihae YU		
<b>ME03</b>	<b>07:00-07:45</b>	<b>The Future of the Treatment of Acute Brain Injury</b>	<b>RM 11</b>	<b>E5</b>
	Speaker	Gene SUNG		
<b>ME04</b>	<b>07:00-07:45</b>	<b>Case Discussions: Traumatic Head Injury and CNS Infections</b>	<b>RM 12</b>	<b>E6</b>
	Speaker	Sunit SINGHI		
<b>ME16</b>	<b>07:00-07:45</b>	<b>The Front End and Back End in ICU</b>	<b>RM 08</b>	<b>E1+2</b>
	Speaker	Yoshihito UJIKE		
<b>SY18</b>	<b>09:00-10:20</b>	<b>Understanding the Physiology of Mechanical Ventilation</b>	<b>RM 01</b>	<b>Auditorium</b>
	Co-Chair	John MARINI		
	Co-Chair	Sungsu CHUNG		
	Speaker	Michael PINSKY	Heart-Lung Interactions	
	Speaker	Antonio PESENTI	Monitoring Respiratory Effort and Work of Breathing by Diaphragmatic EMG	
	Speaker	Luciano GATTINONI	Chest Wall Mechanics	
<b>SY19</b>	<b>10:50-12:10</b>	<b>Back to Basics in Mechanical Ventilation</b>	<b>RM 01</b>	<b>Auditorium</b>
	Co-Chair	Penglin MA		
	Co-Chair	Paolo PELOSI		
	Speaker	Penglin MA	How Lightly Should We Sedate Mechanically Ventilated Patients?	
	Speaker	Sang-Bum HONG	Fluid Management in Critically Ill Patients during Mechanical Ventilation	
	Speaker	John MARINI	Lung Protective Ventilation—Putting All the Lab and Clinical Evidence Together	
<b>SY20</b>	<b>14:00-15:20</b>	<b>Tackling Ventilator Dyssynchrony</b>	<b>RM 01</b>	<b>Auditorium</b>
	Co-Chair	Richard DELLINGER		
	Co-Chair	Sebastian UGARTE		
	Speaker	Lluís BLANCH	Lung-Brain Interactions in Critically Ill Patients Receiving Mechanical Ventilation	
	Speaker	Richard DELLINGER	Ventilator Wave Form Analysis in Decision Making	
	Speaker	Ross FREEBAIRN	Spontaneous Ventilation and ARDS	

<b>SY21</b>	<b>15:50-17:30</b>	<b>Understanding Weaning from MV</b>	<b>RM 01</b>	<b>Auditorium</b>
	Co-Chair	Laurent BROCHARD		
	Co-Chair	Ross FREEBAIRN		
	Speaker	Laurent BROCHARD	Weaning from Mechanical Ventilation: New Classification	
	Speaker	Chae-Man LIM	Diaphragm Dysfunction during Weaning: Significance and Treatment	
	Speaker	Guillermo CASTORENA	Interaction between Sedation and Weaning: How to Balance Them?	
	Speaker	Jordi MANCEBO	New Insights on Tracheal Extubation after Difficult Weaning	
<b>SY22</b>	<b>09:00-10:20</b>	<b>Resuscitation</b>	<b>RM 04</b>	<b>GBR 103</b>
	Co-Chair	Mihae YU		
	Co-Chair	Seogki LEE		
	Speaker	Hiroaki WATANABE	How to Early Detect and Resuscitate Severe Trauma Patients?	
	Speaker	John Cook-Jong LEE	Resuscitative Thoracotomy	
	Speaker	Mihae YU	Towards Hemostatic Resuscitation	
<b>SY23</b>	<b>10:50-12:10</b>	<b>Trauma Care System Worldwide (Panel Discussion)</b>	<b>RM 04</b>	<b>GBR 103</b>
	Co-Chair	Gil Joon SUH		
	Co-Chair	Seong Wan BAIK		
	Presenter	Raul COIMBRA	Why We Need a World Coalition for Trauma Care	
	Discussant	Peter RHEE		
	Discussant	Kang Hyun LEE		
	Discussant	Ming-Terk CHIU		
<b>SY24</b>	<b>14:00-15:20</b>	<b>Damage Control Surgery</b>	<b>RM 04</b>	<b>GBR 103</b>
	Co-Chair	Ho-Seong HAN		
	Co-Chair	Peter RHEE		
	Speaker	Ming-Terk CHIU	Life Threatening Chest Injuries	
	Speaker	Raul COIMBRA	Damage Control in Abdomen and Pelvis Injuries	
	Speaker	Peter RHEE	Advances in Traumatic Brain Injury Treatment	
<b>SY25</b>	<b>15:50-17:10</b>	<b>Controversial Issues in Trauma Patients</b>	<b>RM 04</b>	<b>GBR 103</b>
	Co-Chair	Jungchul KIM		
	Co-Chair	Mihae YU		

Speaker	Mihae YU	Fluid Resuscitation: Where We Are
Speaker	Suk-Kyung HONG	How to Use Antibiotics in Abdominal Injury Patients?
Speaker	In Seok JEONG	ECMO Support in Trauma Patients

<b>SY26</b>	<b>09:00-10:20</b>	<b>History and Basics of Shock</b>	<b>RM 05</b>	<b>GBR 104+5</b>
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Co-Chair	Jean-Daniel CHICHE	
Co-Chair	Penglin MA	
Speaker	Richard DELLINGER	Lactic Acidosis: 1780 to 2015
Speaker	Jean-Daniel CHICHE	Shock and Tissue Hypoxia
Speaker	Steve WEBB	Early Goal Directed Therapy - What Did the Big Trials Teach Us

<b>SY27</b>	<b>10:50-12:10</b>	<b>Overview of Circulatory Shock</b>	<b>RM 05</b>	<b>GBR 104+5</b>
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Co-Chair	Daniel DE BACKER	
Co-Chair	Jukka TAKALA	
Speaker	Rui MORENO	Shock: from Diagnostic to Therapeutic Implications
Speaker	Konrad REINHART	Volume Replacement in the Critically Ill - an Evidence Based Approach
Speaker	Daniel DE BACKER	Vasopressors in Shock

<b>SY28</b>	<b>14:00-15:20</b>	<b>Management Goals in Septic Shock</b>	<b>RM 05</b>	<b>GBR 104+5</b>
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Co-Chair	Djillali ANNANE	
Co-Chair	Hiroyuki HIRASAWA	
Speaker	Jean-Louis TEBOUL	Is There an Ideal Mean Arterial Pressure Target in Septic Shock?
Speaker	Djillali ANNANE	Fluid and Vasopressor Therapy for Septic Shock
Speaker	Mitchell LEVY	Adjunctive Management Strategies for Septic Shock (Anti-Inflammatory Agents to Statins)

<b>SY29</b>	<b>15:50-17:30</b>	<b>Organ Failure in Shock</b>	<b>RM 05</b>	<b>GBR 104+5</b>
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Co-Chair	Gernot MARX	
Co-Chair	Mervyn MER	
Speaker	Stephen PASTORES	Pathophysiology of Multi-organ Failure
Speaker	Gernot MARX	Inter-organ Cross-talk between Brain and Lung
Speaker	Romer GEOCADIN	Neurologic Complications of Shock
Speaker	Mary CHOI	Lung-Kidney Injury Cross-talk

<b>SY30</b>	<b>09:00-10:30</b>	<b>Organization of ICU</b>	<b>RM 08</b>	<b>E1+2</b>
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Co-Chair	Khalid SHUKRI	
Co-Chair	Sang-Hyun KWAK	
Speaker	Satish BHAGWANJEE	Models for Critical Care Delivery
Speaker	Khalid SHUKRI	It's Time for Global ICU Accreditation!
Speaker	Jean-Louis VINCENT	Integrating Nurse Practitioners and Physician Assistants in the Multi-professional ICU Team
Speaker	John MARSHALL	Report of the Task Force of the WFSICCM: What Is an ICU

<b>SY31</b>	<b>10:50-12:30</b>	<b>Maximizing ICU Resources</b>	<b>RM 08</b>	<b>E1+2</b>
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Co-Chair	Jaeyoung KWON	
Co-Chair	Edgar CELIS-RODRIGUEZ	
Speaker	Edgar CELIS-RODRIGUEZ	ICUs with Better Outcomes: How Do You Do It?
Speaker	Charles GOMERSALL	Triage of Admissions to Intensive Care
Speaker	Antonio O. GALLESIO	Changing ICU Culture Towards a Safety Environment: Staff and Family Role
Speaker	Craig COOPERSMITH	The Keys to Successful Rounds

<b>SY32</b>	<b>14:00-15:30</b>	<b>Ethics (2): End-of-Life Care (Panel Discussion)</b>	<b>RM 08</b>	<b>E1+2</b>
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Co-Chair	Shivakumar IYER	
Co-Chair	Andrej MICHALSEN	
Presenter	Andrej MICHALSEN	Words Matter - on Euthanasia, Termination of Treatment, and Others
Presenter	Younsuck KOH	How Different We Are?
Presenter	Charles SPRUNG	Is Worldwide Consensus on End-of-life Care Attainable?
Presenter	John MYBURGH	Report of the Task Force of the WFSICCM: End-of-Life Care

<b>SY33</b>	<b>15:50-17:30</b>	<b>Ethics (3): Surrogate Decisions and Advance Directives (Panel Discussion)</b>	<b>RM 08</b>	<b>E1+2</b>
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Co-Chair	Charles SPRUNG	
Co-Chair	Philip LUMB	
Presenter	Philip LUMB	Paternalism: Patients, Physicians and Judges as Decision-Makers
Presenter	Cheng Cheng TAN	"Familism": Families as Decision-Makers
Presenter	Mitchell LEVY	Advance Directives: An Effective Tool in ICU?
Presenter	Andrej MICHALSEN	Weighting Advance Directives: Are Laws Helpful?

<b>SY34</b>	<b>09:00-10:20</b>	<b>Emergency Neurological Life Support (ENLS)</b>	<b>RM 12</b>	<b>E6</b>
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Co-Chair	Byungin LEE
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Co-Chair	Gene SUNG	
Speaker	J. Claude HEMPHILL	Intracerebral Hemorrhage
Speaker	Huimahn CHOI	Ischemic Stroke
Speaker	Byungin LEE	Non-Convulsive Seizures: Should It Be Aggressively Treated?

**SY35 10:50-12:10 TI: Models of Neurocritical Care Delivery in Different Parts of the World RM 12 E6**

Co-Chair	Pravin AMIN	
Co-Chair	Sang Hyung LEE	
Speaker	Tiffany CHANG	United States
Speaker	Pravin AMIN	India
Speaker	Moon-Ku HAN	Korea
Speaker	Tsuyoshi MAEKAWA	Japan
Speaker	Álvaro RÉA-NETO	Brazil

**SY36 14:00-15:20 Neuro Critical Care of Neuro Trauma RM 12 E6**

Co-Chair	J. Claude HEMPHILL	
Co-Chair	Kwang-Soo LEE	
Speaker	Álvaro RÉA-NETO	Systemic Complications of Neurological Injury
Speaker	Kiwon LEE	Hemodynamic and Neuro Monitoring for Patients with Neuro Trauma
Speaker	J. Claude HEMPHILL	Neuroprotection in Traumatic Brain Injury: Scientific Fact or Science Fiction

**SY37 15:50-17:10 Management of Increased Intracranial Pressure RM 12 E6**

Co-Chair	John MYBURGH	
Co-Chair	Ki-Uk KIM	
Speaker	Won-Sang CHO	Hyperosmotic Therapy: Mannitol or Hypertonic Saline?
Speaker	John MYBURGH	Management of Intracranial Hypertension in Traumatic Brain Injury
Speaker	Dong-Keun HYUN	Hypothermia for Malignant Increased Intracranial Pressure

**NR07 09:00-10:20 Evidence Based Practice RM 02 GBR 101**

Chair	Rhayun SONG	
Speaker	Kathleen VOLLMAN	Back to Basics: Creating Evidence Based Nursing Protocols to Improve Patient Outcomes
Speaker	Yongae CHO	Experiences of Fostering an EBP Culture
Speaker	Ihn Sook JEONG	Development of Evidence Based Nursing Guidelines

<b>NR08</b>	<b>10:50-12:10</b>	<b>Research Up-to-date</b>	<b>RM 02</b>	<b>GBR 101</b>
	Chair	Joohyun LEE		
	Speaker	Yeonsoo JANG	Advanced Nursing Research in the ICU	
	Speaker	Rhayun SONG	Valuing Nursing Research in Critical Care	
	Speaker	Paul FULBROOK	Publishing Strategies	
<b>NR09</b>	<b>14:00-15:20</b>	<b>Education</b>	<b>RM 02</b>	<b>GBR 101</b>
	Chair	Soo Kyung PARK		
	Speaker	Esther WONG	Developing Critical Care Programs	
	Speaker	Nam Ju LEE	Educational Program for ICU Nurses	
	Speaker	Eunyoung SUH	The Development of Technical and Non-Technical Simulation Contents in Nursing Education	
<b>NR10</b>	<b>15:50-17:10</b>	<b>Healthy Work Environment</b>	<b>RM 02</b>	<b>GBR 101</b>
	Chair	Eun-Hee CHOI		
	Speaker	Jiyeon KANG	Horizontal Violence in Korea ICU Nurses	
	Speaker	Sandra GOLDSWORTHY	Healthy Work Environments for Critical Care Nurses	
	Speaker	Jung Yeon KIM	Professional QOL in the ICU	
<b>NR11</b>	<b>09:00-10:20</b>	<b>Palliative Care</b>	<b>RM 03</b>	<b>GBR 102</b>
	Chair	Sanghee KIM		
	Speaker	Seunghee SON	Palliative Care in the PICU	
	Speaker	Eun-Hee CHOI	Application of Advanced Directives	
	Speaker	So-Hi KWON	Bereavement Care Program for Family Members	
<b>NR12</b>	<b>10:50-12:10</b>	<b>Nonpharmacology Therapy</b>	<b>RM 03</b>	<b>GBR 102</b>
	Chair	Miyoung SHIM		
	Speaker	Halima S KABARA	Touch as a Therapeutic Modality in the ICU	
	Speaker	Soo Kyung PARK	Nursing Care for Delirium Prevention	
	Speaker	Soo Ji KIM	Therapeutic Use of Music in the ICU	
<b>NR13</b>	<b>14:00-15:20</b>	<b>Family Support</b>	<b>RM 03</b>	<b>GBR 102</b>
	Chair	So-Hi KWON		
	Speaker	Marion MITCHELL	ICU Research with Families	
	Speaker	Eun Kyung JANG	Difficult Decision Making	

Speaker Adriano FRIGANOVIC Family Centered Care in the ICU

**NR14 15:50-17:10 Infection RM 03 GBR 102**

Chair Chin-Kang KOH

Speaker Gerald WILLIAMS Hospital Wide Reduction in Nosocomial Infection - A Practical Approach

Speaker Paul FULBROOK Pressure Injury Risk Assessment

Speaker Hye Ran CHOI Air Precaution in the ICU

**PED04 09:00-10:40 Sepsis and Infection RM 11 E5**

Co-Chair Dong Soo KIM

Co-Chair Nai Shun TSOI

Speaker Seongjong PARK Fluid and Vasoactive Agents: Current Choice and Reason

Speaker Niranjan "Tex" KISSOON Beyond Fluid and Vasoactive Agents

Speaker Swee Fong TANG Optimal Therapeutic Goal and Target

Speaker Eunhwa CHOI Antibiotics in Pediatric Intensive Care

**PED05 10:50-12:10 Critical Care in Pediatric Surgery & Organ Transplantation RM 11 E5**

Co-Chair Kyungmo KIM

Co-Chair Satoshi NAKAGAWA

Speaker Seung-Ki KIM Critical Care after Neurologic Surgery

Speaker Naoki SHIMIZU Surgical Approach to Upper Airway Narrowing

Speaker Seak Hee OH Issue after Liver Transplantation

**PED06 14:00-15:20 Collaboration in Research in PCC RM 11 E5**

Co-Chair Bettina VON DESSAUER

Co-Chair June Dong PARK

Speaker Jan Hau LEE Collaborative Research Net-Work in Asia – Feasibility and Barriers

Speaker Satoshi NAKAGAWA Bringing Evidence-Based Protocols to the Bedside: Barriers and Strategies for Implementation

Speaker Brad POSS Is Bigger Better? Does PICU Volume Impact Outcome

**PED07 15:50-17:10 Acute Kidney Injury and Continuous Renal Replacement Therapy RM 11 E5**

Co-Chair Brad POSS

Co-Chair Hae Il CHEONG

Speaker Nai Shun TSOI Fluid Management in Critically Ill Children

	Speaker	Heeyeon CHO	Prevention of Acute Kidney Injury		
	Speaker	Jae Il SHIN	Recent Advances in CRRT		
<b>LS05</b>	<b>12:30-13:30</b>	<b>Practical Management of Invasive Fungal Infection in Critically Ill Patients</b>		<b>RM 02</b>	<b>GBR 101</b>
	Speaker	George DIMOPOULOS	Practical Management of Invasive Fungal Infection in Critically Ill Patients		
<b>LS06</b>	<b>12:30-13:30</b>	<b>I get by with a Little Help from my PCT in sepsis - from Early Diagnosis to Individualized Patient Management</b>		<b>RM 03</b>	<b>GBR 102</b>
	Speaker	Molnar ZSOLT	I get by with a Little Help from my PCT in sepsis - from Early Diagnosis to Individualized Patient Management		
<b>LS07</b>	<b>12:30-13:30</b>	<b>Factors Related to the Successful Implementation of Inter Hospital Tele-health for Critical Care</b>		<b>RM 04</b>	<b>GBR 103</b>
	Speaker	Omar BADAWI	Factors Related to the Successful Implementation of Inter Hospital Tele-health for Critical Care		
<b>LS08</b>	<b>12:30-13:30</b>	<b>Electric Impedance Tomography</b>		<b>RM 05</b>	<b>GBR 104+5</b>
	Speaker	Toru KOTANI	Electric Impedance Tomography		
<b>LS09</b>	<b>12:30-13:30</b>	<b>Optimizing the Patient's Brain Function after Critical Illness: ICU Management via the PAD Guidelines and Beyond</b>		<b>RM 01</b>	<b>Auditorium</b>
	Chair	Kook Hyun LEE			
	Speaker	E. Wesley ELY	Optimizing the Patient's Brain Function after Critical Illness: ICU Management via the PAD Guidelines and Beyond		
<b>WS03</b>	<b>09:00-12:00</b>	<b>Hemodynamic Monitoring - from Theory to Bedside Application</b>		<b>RM 06</b>	<b>203</b>
	Instructor	Jean-Louis TEBOUL			
	Instructor	Frederic MICHARD			
	Instructor	Debbie BRODRICK			
<b>WS04</b>	<b>14:00-17:00</b>	<b>Hemodynamic Monitoring - from Theory to Bedside Application</b>		<b>RM 06</b>	<b>203</b>
	Instructor	Jean-Louis TEBOUL			
	Instructor	Frederic MICHARD			
	Instructor	Debbie BRODRICK			
<b>WS05</b>	<b>09:00-12:00</b>	<b>High-flow Oxygen: Emerging Solution for Hypoxia</b>		<b>RM 07</b>	<b>208</b>
	Instructor	Jinwon HUH			
	Instructor	Dong Hyun LEE			
	Instructor	So Young PARK			
	Instructor	So Hee PARK			
<b>WS06</b>	<b>14:00-17:00</b>	<b>High-flow Oxygen: Emerging Solution for Hypoxia</b>		<b>RM 07</b>	<b>208</b>
	Instructor	Sang-Bum HONG			

Instructor Jinwon HUH  
 Instructor Dong Hyun LEE  
 Instructor So Young PARK  
 Instructor So Hee PARK

**WS07 09:00-12:00 Ultrasound Hands on Program - Basic RM 14 AD2**

Instructor Hanho DO  
 Instructor Jinwoo LEE  
 Instructor Chi-Ryang CHUNG  
 Instructor Yeon-Joo LEE  
 Instructor Kyung-Soo CHUNG

**WS08 14:00-17:00 Ultrasound Hands on Program - Basic RM 14 AD2**

Instructor Hanho DO  
 Instructor Jinwoo LEE  
 Instructor Chi-Ryang CHUNG  
 Instructor Yeon-Joo LEE  
 Instructor Kyung-Soo CHUNG

**WS09 09:30-12:00 The Prismaflex® CRRT System: A Practical Approach to Evidence, Prescribing and Treatment RM 10 E4**

Instructor Jong Cheol JEONG  
 Instructor Jason KNOX

**WS10 14:00-16:30 The Prismaflex® CRRT System: A Practical Approach to Evidence, Prescribing and Treatment RM 10 E4**

Instructor Jason KNOX

**WS11 09:00-11:50 Connected Care Solution for Critical Care Surveillance Trend and Hospital Interoperability RM 13 AD1**

Instructor Sangdo KIM  
 Instructor Andrew SARGENT

**WS12 14:00-17:00 Respiratory Care Suite - Non Invasive Ventilation RM 13 AD1**

Instructor Francisco Javier BELDA

**WS13 09:00-12:00 Airway Management Workshop RM 09 E3**

Instructor Hinoshi OTAKE

Instructor Jeongmin KIM  
 Instructor Sungwon NA  
 Instructor Wookyung LEE

**WS15 14:00-17:00 Ventilation: How to Effectively Adjust PEEP Using Transpulmonary Pressure Measurements RM 09 E3**

Instructor Edgar JIMENEZ

**August 31 (Mon)**

**PL04 08:00-08:50 Septic Acute Kidney Injury RM 01 Auditorium**

Speaker Rinaldo BELLOMO

**ME05 07:00-07:45 Indirect Calorimetry in the ICU RM 02 GBR 101**

Speaker Pierre SINGER

**ME06 07:00-07:45 Nursing care to reduce CLA-BSI and CA-UTI and VAP/HAP (WFCCN) RM 03 GBR 102**

Speaker Kathleen VOLLMAN

**ME07 07:00-07:45 Sepsis and Septic Shock (Early Recognition and Treatment, Therapeutic Goals and Basics Management) RM 11 E5**

Speaker Niranjan "Tex" KISSOON

**ME08 07:00-07:45 Early Mobilization RM 12 E6**

Speaker Steve WEBB

**ME09 07:00-07:45 Local Hemostatic Dressings for Bleeding Control RM 08 E1+2**

Speaker Peter RHEE

**SY38 09:00-10:20 Myths and Truths: How to Manage Patients with Abdominal Compartment Syndrome? RM 01 Auditorium**

Co-Chair Byung Ho LEE

Co-Chair Mohammad OMAR FARUQ

Speaker Chi-Min PARK How to Achieve Abdominal Perfusion Pressure?

Speaker Mohammad Omar Faruq Rescue Mechanical Ventilatory Strategies

Speaker Peter RHEE Decompressive Laparotomy, When? How?

**SY39 10:50-12:10 Tips and Pitfalls in the Open Abdomen RM 01 Auditorium**

Co-Chair John MARSHALL

Co-Chair Tae-Ui LEE

Speaker	Jaehun KIM	Can We Prevent Infectious Complications in the Open Abdomen?
Speaker	Jae Gil LEE	Temporary Abdominal Wall Closure
Speaker	Jp (Joon Pio) HONG	Reconstruction of the Abdomen

<b>SY40</b>	<b>14:00-15:20</b>	<b>Improving Practices in Sepsis</b>	<b>RM 01</b>	<b>Auditorium</b>
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Co-Chair	Andrew RHODES	
Co-Chair	Chairat PERMPIKUL	
Speaker	Naoyuki MATSUDA	Performance Improvement in Diagnosis and Management of Severe Sepsis
Speaker	Andrew RHODES	The Surviving Sepsis Campaign: an Update in 2015
Speaker	Clifford S. DEUTSCHMAN	Sepsis - Definitions Reconsidered

<b>SY41</b>	<b>15:50-17:10</b>	<b>Emerging Concepts in Sepsis</b>	<b>RM 01</b>	<b>Auditorium</b>
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Co-Chair	Jean-Daniel CHICHE	
Co-Chair	Satoshi GANDO	
Speaker	Jean-Louis VINCENT	The Septic Patient: What Should We Monitor?
Speaker	Jean-Daniel CHICHE	Epigenetics in Sepsis
Speaker	Jean-Louis TEBOUL	What's New in Hemodynamic Management?

<b>SY42</b>	<b>09:00-10:20</b>	<b>Basic Issue in ECMO (WFSICCM-WFCCN Joint Symposium)</b>	<b>RM 04</b>	<b>GBR 103</b>
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Chair	Jeong Ryul LEE	
Speaker	Jun TERUYA (WFSICCM)	Coagulation and Anticoagulation during ECMO
Speaker	Jae Seung JUNG (WFSICCM)	ECMO Past, Present, Future
Speaker	Esther WONG (WFCCN)	ECMO Care: Promoting Best Care Practices

<b>SY43</b>	<b>10:40-12:20</b>	<b>ECMO at CPR</b>	<b>RM 04</b>	<b>GBR 103</b>
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Co-Chair	Chul Hyun PARK	
Co-Chair	Naoto MORIMURA	
Speaker	Naoto MORIMURA	ECPR in Japan
Speaker	Yang Hyun CHO	ECPR in Korea
Speaker	Thomas MÜLLER	ECPR in Germany
Speaker	Yih-Sharng CHEN	ECMO CPR; Future Form of CPR?

<b>SY44</b>	<b>14:00-15:20</b>	<b>Future of ECMO I</b>	<b>RM 04</b>	<b>GBR 103</b>
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Co-Chair	Thomas BEIN	
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Co-Chair	Masayuki SUZUKAWA	
Speaker	Thomas MÜLLER	ECMO for Septic Shock
Speaker	Thomas BEIN	ECMO for Trauma
Speaker	Sebastian UGARTE	Is ECMO an Alternative in Middle-Income Countries?

<b>SY45</b>	<b>15:50-17:10</b>	<b>Future of ECMO II</b>	<b>RM 04</b>	<b>GBR 103</b>
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Co-Chair	Jason PHUA	
Co-Chair	Thomas MÜLLER	
Speaker	Antonio PESENTI	Extracorporeal CO2 Removal; Techniques and Clinical Perspectives
Speaker	Moo Suk PARK	ECMO as a Bridge to Lung Transplantation
Speaker	Thomas MÜLLER	Mobile ECMO Team

<b>SY46</b>	<b>09:00-10:20</b>	<b>How to Detect Early Critically Ill Patients?</b>	<b>RM 05</b>	<b>GBR 104+5</b>
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Co-Chair	Lluís BLANCH	
Co-Chair	Rui MORENO	
Speaker	Rinaldo BELLOMO	Rapid Response System: the Impact of Delayed Activation
Speaker	Lluís BLANCH	Risk Reduction by Automated Alarming Systems
Speaker	Sang-Bum HONG	Computer Based Screening System in RRS

<b>SY47</b>	<b>10:50-12:30</b>	<b>Rapid Response System (WFSICCM-WFCCN Joint Symposium)</b>	<b>RM 05</b>	<b>GBR 104+5</b>
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Co-Chair	Gee Young SUH	
Co-Chair	Gerald WILLIAMS	
Speaker	Todd DORMAN (WFSICCM)	Critical Care Outreach: ICU without Walls
Speaker	Takamitsu KODAMA (WFSICCM)	Implementation of Rapid Response System
Speaker	Rinaldo BELLOMO (WFSICCM)	The Impact of Rapid Response Teams on Do Not Resuscitate Orders
Speaker	Gerald WILLIAMS (WFCCN)	Improving Performance of the Rapid Response Team

<b>SY48</b>	<b>14:00-15:40</b>	<b>New Evidence for the New Era of CPR</b>	<b>RM 05</b>	<b>GBR 104+5</b>
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Co-Chair	Gil Joon SUH	
Co-Chair	Paolo PELOSI	
Speaker	Paolo PELOSI	A Bundle for Treatment after Cardiac Arrest: Protective Ventilation, Temperature Control and Stable Hemodynamics
Speaker	Hyun KIM	The New Guidelines to Come: New Evidence and Its Implications in Advanced Cardiac Life Support (ACLS)



Speaker	Benjamin ABELLA	How to Improve the Quality of CPR
Speaker	Takashi TAGAMI	The Fifth Link in the 'Chain of Survival' Concept after Cardiac Arrest

<b>SY49</b>	<b>15:50-17:10</b>	<b>Antibiotics Resistance in ICU</b>	<b>RM 05</b>	<b>GBR 104+5</b>
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Co-Chair	Gavin JOYNT	
Co-Chair	Murat SUNGER	
Speaker	Gavin JOYNT	Individualized Antibiotic Dosing in ICU
Speaker	Arzu TOPELI	Multi Drug Resistant Microorganisms
Speaker	Fathima PARUK	Antibiotic Resistance - How Do We Manage It?

<b>SY50</b>	<b>09:00-10:20</b>	<b>Ultrasonography in ICU</b>	<b>RM 08</b>	<b>E1+2</b>
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Co-Chair	Jordi MANCEBO	
Co-Chair	Philip LUMB	
Speaker	Daniel LICHTENSTEIN	Lung Ultrasound
Speaker	Davide CHIUMELLO	Lung Ultrasound in ARDS
Speaker	Philip LUMB	Ultrasound in Anaesthesiology & Critical Care Medicine; Procedural and Diagnostic Application

<b>SY51</b>	<b>10:40-12:20</b>	<b>New Techniques in Functional Lung Imaging</b>	<b>RM 08</b>	<b>E1+2</b>
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Co-Chair	Davide CHIUMELLO	
Co-Chair	Oloan TAMPUBOLON	
Speaker	Davide CHIUMELLO	CT Scan in ARDS: Is It Really Necessary?
Speaker	Guido MUSCH	PET Imaging of Ventilator-Induced and Acute Lung Injury
Speaker	Marcos VIDAL MELO	Imaging Strain and Inflammation in Early Lung Injury and ARDS
Speaker	Toru KOTANI	Electronic Impedance Tomography: Principles and Clinical Application

<b>SY52</b>	<b>14:00-15:40</b>	<b>How to Prevent Post-operative Complications?</b>	<b>RM 08</b>	<b>E1+2</b>
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Co-Chair	Mervyn MER	
Co-Chair	Sang Sul JUNG	
Speaker	Kook Hyun LEE	Perioperative Respiratory Evaluation and Care
Speaker	Mervyn MER	VTE in the Critically Ill - Recent Reports, Practical Pearls and Memorable Moments
Speaker	Pravin AMIN	Cardiac Complications: Peri-Operative Beta-Blocker
Speaker	William HURFORD	Pulmonary Complications: Lung-Protective Ventilation for the Surgical Patients

<b>SY53</b>	<b>15:50-16:50</b>	<b>All about Peri-operative Hemodynamic Management</b>	<b>RM 08</b>	<b>E1+2</b>
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Co-Chair	Andrew RHODES	
Co-Chair	Ji-Young SUL	
Speaker	Andrew RHODES	Peri-Operative Goal-Directed Fluid Therapy
Speaker	Mihae YU	Transfusion Trigger in Perioperative Surgical Patients

<b>SY54</b>	<b>09:00-10:20</b>	<b>Recent Issues: Sepsis</b>	<b>RM 09</b>	<b>E3</b>
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Chair	Stephen PASTORES	
Speaker	Craig COOPERSMITH	Intestinal Integrity in Sepsis-Cellular and Molecular Mechanisms
Speaker	Clifford S. DEUTSCHMAN	The Role of the Central Nervous System in the Pathogenesis of Sepsis
Speaker	Daniel DE BACKER	Monitoring the Microcirculation to Guide Resuscitation

<b>SY55</b>	<b>14:00-15:20</b>	<b>Pulmonary Embolism</b>	<b>RM 09</b>	<b>E3</b>
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Co-Chair	Boonsong PATJANASOONTORN	
Co-Chair	Shirish PRAYAG	
Speaker	Anthony MCLEAN	Echocardiography in the Management of Severe Pulmonary Embolus
Speaker	Gee Young SUH	Choosing the Appropriate Anticoagulant for the Treatment of Venous Thromboembolism
Speaker	Boonsong PATJANASOONTORN	Management of Sub Massive and Massive Pulmonary Embolism: Evidence and Controversy

<b>SY56</b>	<b>15:50-17:20</b>	<b>For Better ICU Performance</b>	<b>RM 09</b>	<b>E3</b>
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Co-Chair	Joseph NATES	
Co-Chair	Shin Ok KOH	
Speaker	Abdel Razek ASSEM	Assessment of ICU Performance
Speaker	Joseph NATES	How to Measure "Futility"?
Speaker	Akos CSOMOS	Cost Containment and Patient Safety
Speaker	Pravin AMIN	Report of the Task Force of the WFSICCM: ICU Doctor

<b>SY57</b>	<b>14:00-15:00</b>	<b>International Sepsis Forum Pro/Con Debates (1): Synthetic Colloids</b>	<b>RM 11</b>	<b>E5</b>
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Chair	John MARSHALL	
Speaker	Jean-Louis VINCENT	Synthetic Colloids Still Have a Role in the ICU (Pro)
Speaker	Konrad REINHART	Synthetic Colloids Still Have a Role in the ICU (Con)

<b>SY58</b>	<b>15:10-16:10</b>	<b>International Sepsis Forum Pro/Con Debates (2): Steroids</b>	<b>RM 11</b>	<b>E5</b>
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Chair	Richard DELLINGER	
Speaker	John MARINI	Steroids Should Be Used to Treat Patients with Septic Shock (Pro)

	Speaker	Charles SPRUNG	Steroids Should Be Used to Treat Patients with Septic Shock (Con)		
<b>SY59</b>	<b>16:20-17:20</b>	<b>International Sepsis Forum Pro/Con Debates (3): Guidelines</b>		<b>RM 11</b>	<b>E5</b>
	Chair	Charles SPRUNG			
	Speaker	Richard DELLINGER	Guidelines Are the Future of Sepsis Management (Pro)		
	Speaker	John MARSHALL	Guidelines Are the Future of Sepsis Management (Con)		
<b>SY60</b>	<b>09:00-10:20</b>	<b>Infectious Issues in ICU</b>		<b>RM 12</b>	<b>E6</b>
	Co-Chair	Fathima PARUK			
	Co-Chair	Mercedes PALOMAR			
	Speaker	Mervyn MER	Demystifying the Diagnosis of Candida in the Critically Ill		
	Speaker	Mercedes PALOMAR	Ventilator Associated Respiratory Infections: Pneumonia vs Tracheobronchitis		
	Speaker	Masaji NISHIMURA	Prevention of Catheter-Related Blood Stream Infections		
<b>SY61</b>	<b>10:40-12:20</b>	<b>Nasal High-flow Therapy across the Continuum of Care</b>		<b>RM 12</b>	<b>E6</b>
	Co-Chair	Laurent BROCHARD			
	Co-Chair	Yalim DIKMEN			
	Speaker	Laurent BROCHARD	The Role of Nasal High-flow Therapy for Patients with Hypoxemic Respiratory Failure		
	Speaker	John FRASER	Nasal High-flow across the Continuum of Care - the Mechanisms of Action and Physiological Outcomes		
	Speaker	Ross FREEBAIRN	Clinical Applications of Nasal High-flow Therapy		
	Speaker	Troy BROWNE	Nasal High-flow Therapy as a Quality Improvement Strategy in a Provincial Combined ICU / HDU / CCU		
<b>SY62</b>	<b>14:00-15:00</b>	<b>Critical Care in Spinal Cord Injury</b>		<b>RM 12</b>	<b>E6</b>
	Chair	John MYBURGH			
	Speaker	Chun Kee CHUNG	Ventilatory Care and Weaning Strategy		
	Speaker	John MYBURGH	Fluid Resuscitation in Critically Ill Patients		
<b>SY63</b>	<b>15:50-17:10</b>	<b>The Immunosuppressed ICU Patient</b>		<b>RM 12</b>	<b>E6</b>
	Chair	Anthony MCLEAN			
	Speaker	Stephen PASTORES	Neutropenic Sepsis: Critical Issues and Treatment Challenges		
	Speaker	Anthony MCLEAN	Measuring Immune Suppression in Severe Sepsis		
	Speaker	Hiroyuki HIRASAWA	Blood Purification in Critical Care		
<b>NR15</b>	<b>09:00-10:20</b>	<b>Ethics</b>		<b>RM 02</b>	<b>GBR 101</b>
	Chair	Minju KIM			

Speaker	Gordon SPEED	ICU Patients' Rights: Critical Considerations
Speaker	Shelley SCHMOLLGRUBER	Moral Distress in the ICU
Speaker	Sanghee KIM	Nurses' Attitude for Death and Dying Patients

<b>NR16</b>	<b>10:50-12:10</b>	<b>Critical Care Nursing Worldwide</b>	<b>RM 02</b>	<b>GBR 101</b>
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Chair	Phill Ja KIM	
Speaker	Marion MITCHELL	Critical Care Nursing in Australia
Speaker	Phill Ja KIM	Critical Care Nursing in Korea
Speaker	Halima S KABARA	Support for the Nigerian Critical Care Nursing: The WFCCN Connection

<b>NR17</b>	<b>14:00-15:20</b>	<b>Communication</b>	<b>RM 02</b>	<b>GBR 101</b>
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Chair	Young Hee YI	
Speaker	Seong Suk KWAK	Communication Improvement Program
Speaker	Gordon SPEED	Purposeful Rounding in the ICU: Enhancing Communication
Speaker	Heesung PARK	A Strategy to Enhance the Transitional Care for Communication from the ICU

<b>NR18</b>	<b>15:50-17:10</b>	<b>Staff Safety or Conflict Management</b>	<b>RM 02</b>	<b>GBR 101</b>
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Chair	Shelley SCHMOLLGRUBER	
Speaker	Adriano FRIGANOVIC	ICU Staffing to Match Patient Care Needs
Speaker	Vedran DUMBOVIC	Conflict Management in the ICU
Speaker	Youngsun JUNG	Role of Employee Safety Manager

<b>NR19</b>	<b>09:00-10:20</b>	<b>Patient Safety</b>	<b>RM 03</b>	<b>GBR 102</b>
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Chair	Cheong-Suk YOO	
Speaker	Kyoungsoon YANG	Enhancing Quality and Safety of ICU Care
Speaker	Sek Ying CHAIR	International Patient Safety Goal
Speaker	Eunok KWON	Unplanned Extubation of ICU Patients with Mechanical Ventilation

<b>NR20</b>	<b>10:50-12:10</b>	<b>Common Problems</b>	<b>RM 03</b>	<b>GBR 102</b>
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Chair	Eunok KWON	
Speaker	Yun Jin LEE	Maintaining Skin Integrity in Critically Ill Patient
Speaker	Myeonghee SON	Keeping Critically Ill Patients Safe during Intrahospital Transport
Speaker	Hyang Sook KIM	Sedation and Analgesia in the Critically Ill

<b>NR21</b>	<b>14:00-15:20</b>	<b>Patient Experience</b>	<b>RM 03</b>	<b>GBR 102</b>
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Chair	Yongae CHO	
Speaker	Dongoak KIM	Patient & Family Experience: Education in the ICU
Speaker	Maria Isabelita ROGADO	Patient & Family Experience: Satisfaction in the ICU
Speaker	Sung Ean LEE	Patient & Family Experience: Isolation in the ICU (ICU Diary)

<b>NR22</b>	<b>15:50-17:10</b>	<b>Great Work Place</b>	<b>RM 03</b>	<b>GBR 102</b>
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Chair	Jiyeon KANG	
Speaker	Sejin JU	Management of Stress in the ICU
Speaker	Soonhaeng LEE	Refresh Program for Nurses
Speaker	Jina OH	Nursing in the Arts

<b>PED08</b>	<b>09:00-10:20</b>	<b>Emergency Medicine and Transport</b>	<b>RM 11</b>	<b>E5</b>
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Co-Chair	Jan Hau LEE	
Co-Chair	Jong-Seo YOON	
Speaker	Bettina VON DESSAUER	Resuscitation: from Prevention to Adequate Care
Speaker	Barry MARKOVITZ	Rapid Response Teams' Save Lives!
Speaker	Naoki SHIMIZU	Transport of the Critically Ill Children

<b>PED09</b>	<b>10:40-12:20</b>	<b>Protocols and Checklists</b>	<b>RM 11</b>	<b>E5</b>
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Co-Chair	Barry MARKOVITZ	
Co-Chair	Young YOO	
Speaker	Kyung Won KIM	Do Protocols and Checklists Improve PICU Outcomes?
Speaker	Joongbum CHO	VAP – Elimination: Can Bundles Make a Significant Difference?
Speaker	Bettina VON DESSAUER	Admission and Discharge of the PICU: Visible Criteria
Speaker	Swee Fong TANG	Outcome Evaluation – Quality of Life of PICU Survivors

<b>SU01</b>	<b>12:30-13:40</b>	<b>Step-Up Session (1)</b>	<b>RM 02</b>	<b>GBR 101</b>
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Co-Chair	Marion MITCHELL	
Co-Chair	Kyung Ja SONG	
Presenter	Juliet Ami KWADZODEH	Management of Intensive Care Units in Ghana
Presenter	Halima S KABARA	Current Status of Critical Care Medicine in Nigeria
Presenter	Obiageli Chinyere OGUARIRI	Nursing Experiences of Caring for Burn Patients with Sepsis in Critical Care Units in South West Zone, Nigeria (Case Study: Nohi, Lagos)

	Presenter	Universe Mulenga HIMOONGA	Current Status of Critical Care Nursing/Medicine in Zambia		
<b>SU02</b>	<b>12:30-13:40</b>	<b>Step-Up Session (2)</b>		<b>RM 06</b>	<b>203</b>
	Co-Chair	J. Christopher FARMER			
	Co-Chair	Younsuck KOH			
	Presenter	Akram Muhammad FAYED	Current Status of Critical Care Medicine Practice in Egypt		
	Presenter	Adeniyi Abiodun ADESIDA	Improvement In Intensive Care Unit Outcome At A Tertiary Institution: Causes and Effects		
	Presenter	Saurabh KOLE	Current Status of Critical Care Medicine in India		
	Presenter	Khamsay DETLEUXAY	Current Status of Critical Care Medicine in Laos		
	Presenter	Raihan RABBANI	Percutaneous Tracheostomy: a Convenient Low Cost Solution for Resource Poor Setting		
<b>SU03</b>	<b>12:30-13:40</b>	<b>Step-Up Session (3)</b>		<b>RM 07</b>	<b>208</b>
	Co-Chair	Daniel DE BACKER			
	Co-Chair	Sang-Hyun KWAK			
	Presenter	Akwasi ANTWI-KUSI	5 Year Experience of Critical Care Medicine in Ghana		
	Presenter	Uddin Nazim MIRZA	NIV(Non-Invasive Ventilation) in Respiratory Failure - Our Experience in Bangladesh		
	Presenter	Lundeg GANBOLD	The Relationship of Premature Mortality Rate and Accessibility, Quality of Critical Medicine in Mongolia		
	Presenter	Moe Thu LIN	Snake Bite (Cobra) Management in the ICU in Myanmar		
	Presenter	Sabrina DA RE GUTIERREZ	Critical Care in My Country: the Current Status and Future Issues		
	Presenter	Tri Wahyu MURMI	Critical Care without Walls of Indonesia		
<b>SU04</b>	<b>12:30-13:40</b>	<b>Step-Up Session (4)</b>		<b>RM 08</b>	<b>E1+2</b>
	Co-Chair	Yu-Chang Yeh			
	Co-Chair	Marc ZIEGENFUSS			
	Presenter	David Oyolo MISANGO	How We Manage Traumatic Head Injuries In Low Resource Settings – Rural Kenya (East Africa)		
	Presenter	Babu Raja SHRESTHA	Ultrasound vs Landmark Technique to Cannulate Internal Jugular Vein in ICU at Kathmandu Medical College Hospital- a Comparative Study		
	Presenter	Syed Tipu SULTAN	Evolution of Critical Care in Pakistan in the Last Three Decades		
	Presenter	Manuel Enrique BELLO	Limitations in Monitoring the Patient with Head Trauma in El Salvador		
	Presenter	Wondwossen Amogne DEGU	High Mortality from Blood Stream Infection in Addis Ababa, Ethiopia, Is due to Antimicrobial Resistance: an Observational Cohort Study		
<b>SU05</b>	<b>12:30-13:40</b>	<b>Step-Up Session (5)</b>		<b>RM 11</b>	<b>E5</b>
	Co-Chair	Janice ZIMMERMAN			

Co-Chair	Dong-Chan KIM	
Presenter	Rashmi KUMAR	Challenges and the Way Forward in the PICU
Presenter	Subhash Prasad ACHARYA	Critical Care Medicine in Low Resource Countries: Obstacles and Opportunities
Presenter	Saeeda HAIDER	Disease Load of Critical Care in Pakistan
Presenter	Chito Caimoy PERMEJO	ICU Protocols: The Philippine Heart Center Initiative
Presenter	Aklilu Azazh TUMEBO	Current Status Of Critical Care Medicine In Ethiopia

<b>SU06</b>	<b>12:30-13:40</b>	<b>Step-Up Session (6)</b>	<b>RM 12</b>	<b>E6</b>
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Co-Chair	Huey-Wen YIEN	
Co-Chair	Byung Ho LEE	
Presenter	Olanrewaju Nurudeen AKANMU	Current Status of Critical Care Medicine in My Country
Presenter	May Donato TAN	Current Status of Critical Care Medicine in Our Country/How to Manage the ICU in the Phils
Presenter	Dao Xuan CO	Experience in Treatment for Severe Acute Pancreatitis
Presenter	Becket ARGUELLO	Current Status of Non Invasive Mechanical Ventilation in Nicaragua
Presenter	Carlos Enrique ORELLANA-JIMENEZ	Critical Care in El Salvador: New Challenges

<b>LS10</b>	<b>12:30-13:30</b>	<b>Non-Invasive Continuous Cardiac Output</b>	<b>RM 04</b>	<b>GBR 103</b>
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Chair	Sang-Bum HONG	
Speaker	Ryoich OCHIAI	Non-Invasive Continuous Cardiac Output

<b>LS11</b>	<b>12:30-13:30</b>	<b>Applied Metabolic Monitoring in the ICU</b>	<b>RM 03</b>	<b>GBR 102</b>
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Speaker	Jean-Daniel CHICHE	Applied Metabolic Monitoring in the ICU
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<b>OP10</b>	<b>09:00-10:20</b>	<b>Sepsis (1)</b>	<b>RM 06</b>	<b>203</b>
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Co-Chair	Yoshihito UJIKE	
Co-Chair	Si Oh KIM	
Presenter	Duc Nam NGUYEN	HIGH CORTISOL LEVELS ARE ASSOCIATED WITH BRAIN DYSFUNCTION BUT LOW PROLACTIN CORTISOL RATIO LEVELS ARE ASSOCIATED WITH NOSOCOMIAL INFECTION IN SEVERE SEPSIS
Presenter	Tomohiro MURONOI	INCREASED IMMATURE PLATELET FRACTION PRIOR TO PLATELET COUNT DECLINE REFLECTS INCREASED PLATELET PRODUCTION AND COAGULOPATHY-RELATED PLATELET CONSUMPTION IN PATIENTS WITH SEPSIS.
Presenter	Afzal AZIM	THROMBOELASTOGRAPHY EVALUATION FOR HEMOSTATIC DYSFUNCTION IN SEVERE SEPSIS AND SEPTIC SHOCK: AN EXPERIENCE FROM TERTIARY CARE CENTRE IN NORTH INDIA
Presenter	Sang-Min LEE	AMOUNT OF VISCERAL ADIPOSE TISSUE IN COMPUTED TOMOGRAPHY IS DOSE-DEPENDENTLY ASSOCIATED WITH MORTALITY IN SEPSIS

Presenter	Jingyuan XU	A HIGH MEAN ARTERIAL PRESSURE TARGET IS ASSOCIATED WITH IMPROVED MICROCIRCULATION IN SEPTIC SHOCK PATIENTS WITH PREVIOUS HYPERTENSION: A PROSPECTIVE OPEN LABEL STUDY
Presenter	Konlawij TRONGTRAKUL	EFFECTS OF VITAMIN D DEFICINECY AND MORTALITY IN SEPTIC PATIENTS IN MEDICAL UNIT OF FACULTY OF MEDICINE VAJIRA HOSPITAL, NAVAMINDRADHIRAJ UNIVERSITY

**OP11 10:50-12:10 Sepsis (2) RM 06 203**

Co-Chair	Akira YAMASHINA	
Co-Chair	Gil Joon SUH	
Presenter	Lars Wiuff ANDERSEN	CYTOCHROME C LEVELS IN SEVERE SEPSIS AND SEPTIC SHOCK
Presenter	Passisd LAOVEERAVAT	FIBROBLAST GROWTH FACTOR 23, A NOVEL BIOMARKER TO DETECT SEVERE SEPSIS
Presenter	Elizabeth PAPATHANASSOGLU	DIAGNOSIS OF INFECTION UTILIZING ACCELLIX CD64
Presenter	Kenneth J GORELICK	IMPACT OF RENAL DYSFUNCTION ON PHARMACOKINETICS OF RECOMBINANT HUMAN THROMBOMODULIN
Presenter	Taehee PYEON	THE ROLES OF THE ACE INHIBITOR CAPTOPRIL ON INFLAMMATORY RESPONSE IN SEPTIC HUMAN NEUTROPHIL AND MORTALITY IN ENDOTOXEMIC MICE
Presenter	Bellal JOSEPH	THE PROTECTIVE EFFECT OF REMOTE ISCHEMIC CONDITIONING IN A SEPTIC MICE MODEL

**OP12 14:00-15:20 Pulmonary RM 06 203**

Co-Chair	Young Hyun LEE	
Co-Chair	Sungsu CHUNG	
Presenter	Yusuke CHIKATA	AMOUNT OF CONDENSATION IN THE LIMB OF HIGH-FLOW NASAL CANNULA THERAPY: A BENCH STUDY
Presenter	Sally ROBERTS	NASAL HIGH FLOW THERAPY AND DISPERSION OF NASAL AEROSOLS IN AN EXPERIMENTAL SETTING
Presenter	Troy BROWNE	RAISING THE STANDARD OF CARE FOR OXYGEN DELIVERY WITH NASAL HIGH FLOW IN HIGH ACUITY AREAS - A CONTROLLED STUDY
Presenter	Myoungkyu LEE	THE PROGNOSIS OF THE PATIENTS WHO TREATED WITH BETWEEN HIGH FLOW NASAL CANNULAE AND CONTINUOUS POSITIVE AIRWAY PRESSURE THERAPY IN SEVERE ACUTE EXACERBATION OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE
Presenter	Arzu TOPELI	Pulmonary Artery to Aorta Ratio is Correlated with Pulmonary Artery Pressure, but not with Mortality in Critically Ill COPD Patients
Presenter	Atsunori KITAOKA	TREATMENT WITH EXTRACORPOREAL MEMBRANE OXYGENATION AT TOKUSHIMA UNIVERSITY HOSPITAL

**OP13 15:50-17:10 Sedation and Analgesia RM 06 203**

Co-Chair	Vladimir CERNY	
Co-Chair	Jong Hun JUN	
Presenter	Shinichi NISHI	THE GUIDELINE TRANSPLANTATION FROM A COUNTRY TO ANOTHER COUNTRY - THOROUGH EDITING THE JAPANESE PAD (PAIN, AGITATION AND DELIRIUM) GUIDELINE -
Presenter	Marcin WASOWICZ	FLUORIDE LEVELS WITH LONG-TERM VOLATILE SEDATION WITHIN THE INTENSIVE CARE UNIT



Presenter	Mutsuo ONODERA	SEDATIVE USE AND DELIRIUM DURING NONINVASIVE POSITIVE PRESSURE VENTILATION: A PROSPECTIVE OBSERVATIONAL STUDY
Presenter	Alper YOSUNKAYA	THE RELATIONSHIP BETWEEN ANXIETY AND SLEEP DISTURBANCES IN RELATIVES OF PATIENTS WITH ACUTE PHYSIOLOGICAL STATUS CHANGES IN INTENSIVE CARE UNIT
Presenter	Jinyeong KO	THE EFFECT OF A PHARMACISTS INTERVENTION TO PROMOTE COMPLIANCE OF A SEDATION PROTOCOL IN A MEDICAL ICU
Presenter	Akira MIKAMI	OUTCOME OF DELIRIUM DURING INTENSIVE CARE UNIT STAY IN JAPAN

<b>OP14</b>	<b>09:00-10:20</b>	<b>Neurology (1)</b>	<b>RM 07 208</b>
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Co-Chair	Kwang-Soo LEE	
Co-Chair	Jorge HIDALGO	
Presenter	Do Sung YOO	CEREBRAL PERFUSION PRESSURE MANAGEMENT IN DECOMPRESSIVE CRANIECTOMY PATIENTS
Presenter	Do Sung YOO	CORRELATIONS BETWEEN THE ICP AND MIDLINE SHIFT IN ACUTE IICP PATIENTS.
Presenter	Jin Pyeong JEON	THE THRESHOLD OF OPTIC NERVE SHEATH DIAMETER BY OCULAR ULTRASONOGRAPHY FOR THE DETECTION OF INCREASED INTRACRANIAL PRESSURE IN KOREAN ADULT PATIENTS WITH BRAIN LESIONS
Presenter	Yi-Chun CHOU	OUTCOMES AFTER SPINAL CORD INJURY IN PATIENTS WITH PREVIOUS ANEMIA: A NATIONWIDE POPULATION-BASED STUDY
Presenter	Stephen HONEYBUL	HEALTHCARE WORKERS OPINION REGARDING OUTCOME FOLLOWING SURGICAL INTERVENTION FOR SEVERE TRAUMATIC BRAIN INJURY

<b>OP15</b>	<b>10:50-12:10</b>	<b>Neurology (2)</b>	<b>RM 07 208</b>
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Co-Chair	Byungin LEE	
Co-Chair	Kiwon LEE	
Presenter	Jeong-Am RYU	ISCHEMIC STROKE IN CRITICALLY ILL PATIENTS WITH MALIGNANCY
Presenter	Kyu Sun LEE	INTENSIVE MEDICAL THERAPY WITH THERAPEUTIC HYPOTHERMIA FOR MALIGNANT MIDDLE CEREBRAL ARTERY INFARCTION
Presenter	Duc Nam NGUYEN	HIGH POSITIVE FLUID BALANCE COULD BE HARMFUL FOR THE BRAIN IN SHOCK PATIENTS
Presenter	Sambit SAHU	UTILIZATION AND OUTCOME OF EARLY MOBILIZATION PROGRAM IN NEURO INTENSIVE CARE UNIT OF A DEVELOPING COUNTRY
Presenter	Saibu GEORGE	REINFORCING THE FACTS ON THE SOMATIC SURVIVAL OF BRAIN DEAD PATIENTS THROUGH AN OBSERVATIONAL STUDY AT QATAR

<b>OP16</b>	<b>14:00-15:20</b>	<b>Safe and Effective PIC (1)</b>	<b>RM 07 208</b>
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Co-Chair	Paolo BIBAN	
Co-Chair	Naoki SHIMIZU	
Presenter	Gamal Mohamed HASAN	EPIDEMIOLOGICAL, CLINICAL CHARACTERISTICS AND MORTALITY RISK IN CHILDREN WITH SCORPION ENVENOMATION IN QENA GOVERNORATE, UPPER EGYPT: RETROSPECTIVE DATA ANALYSIS
Presenter	Koji HOSOKAWA	ULTRASOUND IMAGING FOR PEDIATRIC CENTRAL VENOUS CATHETERIZATION; A SYSTEMATIC REVIEW OF OBSERVATIONAL STUDIES AND RCTS

Presenter	Qalab ABBAS	HYPERTONIC SALINE USE IN CRITICALLY ILL CHILDREN IN EMERGENCY DEPARTMENT (ED)
Presenter	Mullai BAALAAJI	CLINICAL PROFILE AND OUTCOMES OF CHILDREN WITH MALIGNANCIES ADMITTED TO THE PEDIATRIC INTENSIVE CARE UNIT OF A RESOURCE-LIMITED SETTING
Presenter	Karthi NALLASAMY	CHANGING ETIOLOGY AND PREDICTORS OF OUTCOME IN CHILDREN WITH ACUTE CNS INFECTIONS: A PROSPECTIVE HOSPITAL-BASED STUDY
Presenter	Kenichiro HAYASHI	HIGHER CENTRAL VENOUS PRESSURE IS ASSOCIATED WITH DEVELOPMENT OF ACUTE KIDNEY INJURY IN SEPTIC PEDIATRIC PATIENTS

<b>OP17</b>	<b>15:50-17:10</b>	<b>Safe and Effective PIC (2)</b>	<b>RM 07</b>	<b>208</b>
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Co-Chair	Jong-Seo YOON	
Co-Chair	Yuxia ZHANG	
Presenter	Jan Hau LEE	AN INTERNATIONAL NATIONAL EMERGENCY AIRWAY REGISTRY FOR CHILDREN: COMPARISON OF TRACHEAL INTUBATION PRACTICES ACROSS INTERNATIONAL PICUS
Presenter	Hwa Jin CHO	THE RENAL EFFECT OF PROPHYLACTIC AMINOPHYLLINE THERAPY AFTER CARDIAC SURGERY IN INFANTS
Presenter	Hong Ju SHIN	RECENT CLINICAL OUTCOME IN CHILDREN WITH ACUTE FULMINANT MYOCARDITIS SUPPORTED BY MECHANICAL CIRCULATORY SUPPORT
Presenter	Naveed-Ur-Rehman SIDDIQUI	COMPARISON OF ENTERAL VERSUS INTRAVENOUS POTASSIUM SUPPLEMENTATION IN HYPOKALEMIA IN POST CARDIAC SURGERY PEDIATRIC CARDIAC INTENSIVE CARE PATIENTS PROSPECTIVE OPEN LABEL RANDOMIZED CONTROL TRIAL
Presenter	Deborah CROSS	RESCUE BRONCHOSCOPIC INTUBATION USING BENTSON EXTRA-FLOPPY GUIDEWIRE VIA LARYNGEAL MASK AND SELDINGER TECHNIQUE IN CRITICAL CARE SETTING
Presenter	Karthik Narayanan RAMASWAMY	EPINEPHRINE IS MORE LIKELY TO ACHIEVE THERAPEUTIC END-POINTS WITHIN FIRST HOUR THAN DOPAMINE IN FLUID-REFRACTORY PEDIATRIC SEPTIC SHOCK

<b>WS16</b>	<b>09:00-17:00</b>	<b>Ultrasound Hands on Program - Advanced</b>	<b>RM 14</b>	<b>AD2</b>
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Instructor	Young-Rock HA
Instructor	Seong-Beom OH
Instructor	Hanho DO
Instructor	Chan-Young KOH
Instructor	Sang-Ook HA
Instructor	Jin JEON

<b>WS17</b>	<b>09:00-11:30</b>	<b>Non-Invasive Continuous Cardiac Output – esCCO</b>	<b>RM 10</b>	<b>E4</b>
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Instructor	Suraphong LORSOMRADEE
Instructor	Eric DALNE

<b>WS18</b>	<b>14:00-16:30</b>	<b>Non-Invasive Continuous Cardiac Output – esCCO</b>	<b>RM 10</b>	<b>E4</b>
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Instructor Suraphong LORSOMRADEE

Instructor Eric DALNE

**WS19 09:30-11:45 Electric Impedance Tomography Workshop RM 13 AD1**

Instructor Toru KOTANI

Instructor E. TESCHNER

**WS20 14:00-16:15 Electric Impedance Tomography Workshop RM 13 AD1**

Instructor Toru KOTANI

Instructor E. TESCHNER

Instructor E. TESCHNER

## September 1 (Tue)

**PL05 08:00-08:50 Mass Casualty in a Resource-Limited Country: How to Prepare Care Teams and How to Deliver Appropriate Management RM 01 Auditorium**

Speaker Bin DU

**ME10 07:00-07:45 Identification and Management of Sepsis RM 02 GBR 101**

Speaker Mitchell LEVY

**ME11 07:00-07:45 Bed-side Assessment of Hemodynamics RM 03 GBR 102**

Speaker Jukka TAKALA

**ME12 07:00-07:45 Meet the Editor RM 09 E3**

Speaker Philip LUMB

**ME13 07:00-07:45 Use of Antiepileptic Drugs in ICU RM 10 E4**

Speaker Byungin LEE

**ME14 07:00-07:45 Pressure Controlled Versus Volume Controlled Ventilation RM 08 E1+2**

Speaker Laurent BROCHARD

**ME15 07:00-07:45 Do Rapid Response Teams Make a Difference: the Evidence RM 11 E5**

Speaker Rinaldo BELLOMO

**SY64 09:00-10:20 What the Future Critical Care Would Look Like I RM 01 Auditorium**

Co-Chair Akira YAMASHINA

Co-Chair Luciano GATTINONI

Speaker Jean-Louis TEBOUL The Future of Hemodynamic Monitoring

	Speaker	Guido MUSCH	The Future of Imaging in Critical Care Medicine		
	Speaker	John MARINI	The Future of Mechanical Ventilation		
<b>SY65</b>	<b>10:50-12:30</b>	<b>What the Future Critical Care Would Look Like II (WFSICCM-WFCCN Joint Symposium)</b>		<b>RM 01</b>	<b>Auditorium</b>
	Co-Chair	J. Christopher FARMER			
	Co-Chair	Sung Jin HONG			
	Speaker	J. Christopher FARMER (WFSICCM)	The Future of Intensivists		
	Speaker	Edgar JIMENEZ (WFSICCM)	How Does It Support Isolated Hospitals and ICUs		
	Speaker	Ruth KLEINPELL (WFCCN)	Improving Practice in the ICU		
	Speaker	Luciano GATTINONI (WFSICCM)	The Future of Extracorporeal Gas Exchange		
<b>SY66</b>	<b>09:00-10:00</b>	<b>Hypothermia and Critical Care I</b>		<b>RM 02</b>	<b>GBR 101</b>
	Co-Chair	Gabteug KIM			
	Speaker	Tiffany CHANG	Brain Protection after Cardiac Arrest		
	Speaker	Gene SUNG	Hypothermia in Acute Ischemic Stroke		
<b>SY67</b>	<b>10:50-11:50</b>	<b>Hypothermia and Critical Care II</b>		<b>RM 02</b>	<b>GBR 101</b>
	Co-Chair	Huimahn CHOI			
	Co-Chair	Kang Hyun LEE			
	Speaker	Huimahn CHOI	Hypothermia and IICP		
	Speaker	Tsuyoshi MAEKAWA	Hypothermia in Traumatic Brain Injury and Post Cardiac Arrest Patients - Two Multicenter Clinical Trials in Japan		
<b>SY68</b>	<b>09:00-10:40</b>	<b>Tropical Disease &amp; ICU I</b>		<b>RM 03</b>	<b>GBR 102</b>
	Co-Chair	Jorge HIDALGO			
	Co-Chair	Juan SILESKY JIMENEZ			
	Speaker	Shivakumar IYER	Managing Scrub Typhus in ICU		
	Speaker	Jorge HIDALGO	Emerging and Re-emerging Viral Tropical Diseases		
	Speaker	Pravin AMIN	Malaria in the Critically Ill		
	Speaker	Bambang WAHJUPRAJITNO	Management Convulsive Spasms of Tetanus		
<b>SY69</b>	<b>10:50-12:10</b>	<b>Tropical Disease &amp; ICU II</b>		<b>RM 03</b>	<b>GBR 102</b>
	Co-Chair	Bambang WAHJUPRAJITNO			
	Co-Chair	Jorge SINCLAIR			

Speaker	Juan SILESKY JIMENEZ	Leptospirosis
Speaker	Jorge SINCLAIR	Hantavirus
Speaker	Shirish PRAYAG	Severe Dengue Infections in ICU

**SY70 09:00-10:40 WHO and WFSICCM (1): Ebola (WFSICCM-WFCCN-WHO Joint Symposium) RM 04 GBR 103**

Co-Chair	Satish BHAGWANJEE	
Co-Chair	Nahoko SHINDO (WHO)	
Speaker	Guy RICHARDS (WFSICCM)	Clinical Presentation and Diagnostic Tools - Could I Diagnose Ebola
Speaker	Halima S KABARA	Infection Control - What Are the Risks, What Works
Speaker	Satish BHAGWANJEE (WFSICCM)	Research Preparedness for Pandemics and Epidemics
Speaker	Nahoko SHINDO (WHO)	Ebola: Challenges and Lessons Learned

**SY71 09:00-10:40 Renal: Common Critical Care Problems in ICU RM 10 E4**

Co-Chair	Georges OFFENSTADT	
Co-Chair	Sebastian UGARTE	
Speaker	Janice ZIMMERMAN	Metabolic Acidosis in the Critically Ill
Speaker	Venugopal REDDY	Renal Failure in Sepsis/Septic Shock
Speaker	Bin DU	Diagnostic Criteria of an Acute Kidney Injury
Speaker	Georges OFFENSTADT	Dysnatremia in ICU

**SY72 09:00-10:20 Research RM 05 GBR 104+5**

Co-Chair	John MARSHALL	
Co-Chair	Jun TERUYA	
Speaker	Yumiko IMAI	Dynamic Nuclear Interactions between Influenza Virus and Its Host
Speaker	John MARSHALL	Global Collaboration in Critical Care Research
Speaker	Jean-Louis VINCENT	What We Learned from RCTs in Critical Care Medicine

**SY74 09:00-10:20 How ICUs Look Different between Countries? RM 08 E1+2**

Co-Chair	Jigeeshu DIVATIA	
Co-Chair	Oloan TAMPUBOLON	
Speaker	Dean GOPALAN	Critical Care in South Africa
Speaker	Oloan TAMPUBOLON	Manpower and the Economy in ICU, and the Indonesian Perspective
Speaker	Chairat PERMPIKUL	ICU Quality Improvement Strategies in Thailand

<b>SY75</b>	<b>10:50-12:10</b>	<b>Significance of ICU Scores in Specific Countries</b>	<b>RM 08</b>	<b>E1+2</b>
	Co-Chair	Jason PHUA		
	Co-Chair	Nahit CAKAR		
	Speaker	Jason PHUA	Severe Sepsis in Asia - Can We Do Better?	
	Speaker	Mohammad Omar Faruq	Validation of APACHE II and SAPS II in Bangladesh	
	Speaker	Gee Young SUH	Validation and Customization of SAPS 3 Score in Korean ICU Patients	
<b>SY76</b>	<b>09:00-10:20</b>	<b>Management of Difficult ICU Infection</b>	<b>RM 09</b>	<b>E3</b>
	Co-Chair	Massimo ANTONELLI		
	Co-Chair	Satoru HASHIMOTO		
	Speaker	Haibo QIU	MDR Bacteria in ICU: from ICU or Floor	
	Speaker	Massimo ANTONELLI	Aerazolized Antibiotics	
	Speaker	George DIMOPOULOS	The Management of Biofilm Formation in Invasive Fungal Infections	
<b>SY77</b>	<b>09:00-10:30</b>	<b>Ethics (4): Triage (Panel Discussion)</b>	<b>RM 11</b>	<b>E5</b>
	Co-Chair	Fathima PARUK		
	Co-Chair	Gavin JOYNT		
	Presenter	Charles SPRUNG	"First Come, First Serve?"	
	Presenter	Andrej MICHALSEN	Rule of Rescue or Greatest Good for All	
	Presenter	Gavin JOYNT	Prognostication	
	Presenter	Lluís BLANCH	Report of the Task Force of the WFSICCM: Triage	
<b>SY78</b>	<b>10:50-12:30</b>	<b>Ethics (5): Organ Donation (Panel Discussion)</b>	<b>RM 11</b>	<b>E5</b>
	Co-Chair	Jongwon HA		
	Co-Chair	Jorge HIDALGO		
	Presenter	Byungin LEE	Brain Death: Death or Not	
	Presenter	Jongwon HA	Donation after Circulatory Death	
	Presenter	Philip LUMB	Controlled Withdrawal of Life Support in a Donor Candidate: Ethically Acceptable?	
	Presenter	Jorge HIDALGO	Appropriate Recipient with One Single Organ Failure under Intensive Care	
<b>SY79</b>	<b>09:00-10:20</b>	<b>How to Feed in Critically Ill Patients?</b>	<b>RM 12</b>	<b>E6</b>
	Co-Chair	Jeong HONG		
	Co-Chair	Pierre SINGER		

Speaker	Pravin AMIN	Is Total Parenteral Nutrition “Poisonous”?
Speaker	Michael O'LEARY	How Early Is ‘Early’ in Enteral Nutrition?
Speaker	Pierre SINGER	Is Hypocaloric Feeding Beneficial?

<b>SY80</b>	<b>10:50-12:10</b>	<b>Protocol-Based Nutrition Therapy in ICU</b>	<b>RM 12</b>	<b>E6</b>
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Co-Chair	Abdel Razek ASSEM	
Co-Chair	Masaji NISHIMURA	
Speaker	Hyun Wook BAIK	Why Protocol?
Speaker	Masaji NISHIMURA	Enteral Feeding Protocol
Speaker	Pierre SINGER	Glucose Control Protocol

<b>SY81</b>	<b>10:50-12:30</b>	<b>WHO and WFSICCM (2): MERS</b>	<b>RM 04</b>	<b>GBR 103</b>
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Co-Chair	Claudio MARTIN	
Co-Chair	Nahoko SHINDO (WHO)	
Speaker	Gee Young SUH	How We took on MERS: SMC ICU Experience
Speaker	Sang-Ho CHOI	MERS-CoV Outbreak in Korea: an Infectious Disease Specialist’s Perspective
Speaker	Jean-Louis VINCENT	Are We Ready for the Next Pandemic?
Speaker	Nahoko SHINDO (WHO)	Collaboration for Future Pandemics

<b>SU07</b>	<b>10:50-12:00</b>	<b>Step-Up Session (7)</b>	<b>RM 06</b>	<b>203</b>
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Co-Chair	Charles GOMERSALL	
Co-Chair	Cheung Soo SHIN	
Presenter	Mpoki M. ULISUBISYA	Critical Care in Tanzania
Presenter	Carmel Shirani HAPUARACHCHI	Intensive Care Management of Subarachnoid Haemorrhage
Presenter	Nguyen Gia BINH	How to Manage an ICU in a Country with Fewer Medical Resources: Experience from Vietnam
Presenter	Luis Manuel PADILLA	Situational Analysis of Critical Care in León, Nicaragua
Presenter	Norman Nathan LUFESI	Critical Care For Children: What Can Be Achieved In Low Resource Settings

<b>SU08</b>	<b>10:50-12:00</b>	<b>Step-Up Session (8)</b>	<b>RM 07</b>	<b>208</b>
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Co-Chair	Necmettin UNAL	
Co-Chair	Jong Hun JUN	
Presenter	Arthur KWIZERA	Survey of Resources to Manage Sepsis in a Low Income Country according to the SSC Guidelines
Presenter	A.S.M Areef AHSAN	Current Status of Critical Care Medicine in Bangladesh

Presenter	Sheila Nainan MYATRA	Current Practices of Mobilization, Analgesia, Relaxants and Sedation in Indian ICUs
Presenter	Traychit CHANTHASIRI	Management Surgical ICU in Mahosot Hospital
Presenter	Khorn Phea ROUM	Caring for ICU Patients in a Resource Limited Environment
Presenter	Enry MELGAR	Morbidity and Mortality In the Unit of Intensive Care In Hospital Mario Catarino Rivas of San Pedro Sula, Honduras January 2014- January 2015

<b>SU09</b>	<b>10:50-12:00</b>	<b>Step-Up Session (9)</b>	<b>RM 09 E3</b>
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Co-Chair	Konrad REINHART	
Co-Chair	Young Hyun LEE	
Presenter	Zonia Margarita GUZMAN	Evolution of Mechanical Ventilation in Guatemala
Presenter	Ike Sri Redjeki SUBARTINI	Critical Care Service in Countries with Limited Resources: Strategies to Improve Outcomes
Presenter	Ramesh VENKATARAMAN	Epidemiology of the ICU - Acquired Infections in India
Presenter	Ma.Louisa Uson PERALTA	State of the Pediatric ICU in the Philippines
Presenter	Dawit Amare ABRHA	Case Presentation on Severe and Complicated Malaria (with Ards) in a Pregnant Lady

<b>SU10</b>	<b>10:50-12:00</b>	<b>Step-Up Session (10)</b>	<b>RM 10 E4</b>
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Co-Chair	Rinaldo BELLOMO	
Co-Chair	Si Oh KIM	
Presenter	Akram Abdelbary AHMED	Introducing ECMO to Egypt
Presenter	Giang Thuc ANH	The Initial Effect of Applying the Extracorporeal Membrane Oxygenation(ECMO) for Cardiogenic Shock due to Acute Myocarditis
Presenter	Rohan DISSANAYAKE	Challenges in Developing Critical Care Medicine in Sri Lanka
Presenter	Atul Prabhakar KULKARNI	Challenges to Critical Care in India
Presenter	Flora Patricia FLOWERS	Pediatric Chikungunya Fever in Honduras: Clinical Findings and Complications
Presenter	Somaly SAY	ICU in Hebron Hospital in Cambodia