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| **Tuesday 18 March 2014 - AM** |
| **ROOM : Salle HLB**  **Opening** [Standard presentation]  8:30 - 8:50 - A look back at our past Jean-Louis Vincent (Brussels , Belgium)   8:50 - 9:10 - Report of the Round Table conference on “Evidence in the ICU” John J Marini (St Paul , United States), Djillali Annane (Garches , France)   9:10 - 9:30 - EGDT ProCESS?  Derek C Angus (Pittsburgh , United States)   9:30 - 9:50 - Immunotherapy of Sepsis - the New Frontier  Richard Hotchkiss (St Louis , United States)   **Extracorporeal therapies in sepsis** [Standard presentation]  11:00 - 11:15 - They are useless  Miet Schetz (Leuven , Belgium)   11:15 - 11:30 - The Abdomix study Didier Payen (Paris , France)   11:30 - 11:45 - Combined plasma filtration and adsorption (CPFA) may be valuable  Giorgio Berlot (Trieste , Italy)   11:45 - 12:00 - High volume hemofiltration: Good or bad?  Michael Joannidis (Innsbruck , Austria)   12:00 - 12:15 - Discussion |
| **Tuesday 18 March 2014 - AM** |
| **ROOM : Gold Hall**  **Intraabdominal hypertension** [Standard presentation]  11:00 - 11:15 - How to measure and improve abdominal wall compliance Manu Malbrain (Antwerp , Belgium)   11:15 - 11:30 - Prevention is the key Jan De Waele (Ghent , Belgium)   11:30 - 11:45 - Higher tidal volume and lower PEEP? Paolo Pelosi (Genoa , Italy)   11:45 - 12:00 - Higher PEEP and lower tidal volume? Arthur S Slutsky (Toronto , Canada)   12:00 - 12:15 - Discussion |
| **Tuesday 18 March 2014 - PM** |
| **ROOM : Gold Hall**  **Colloids vs crystalloids** [Standard presentation]  13:45 - 14:00 - The physiologic basis  Can Ince (Amsterdam , Netherlands)   14:00 - 14:15 - Is physiology wrong?  Zsolt Molnar (Szeged , Hungary)   14:15 - 14:30 - How the type of fluid can influence immune status  Didier Payen (Paris , France)   14:30 - 14:45 - Discussion   14:45 - 15:00 - HES storage: A comprehensive review  Christian J Wiedermann (Bolzano , Italy)   15:00 - 15:15 - Does HES storage have pathophysiological relevance?  Michael Joannidis (Innsbruck , Austria)   15:15 - 15:30 - Does HES really alter renal function?  Claude Martin (Marseille , France)   15:30 - 15:45 - Discussion   15:45 - 16:00 - Why HES may increase mortality in sepsis  Anders Perner (Copenhagen , Denmark)   16:00 - 16:15 - Could we develop new colloids?  Jyrki Tenhunen (Uppsala, Sweden)   16:15 - 16:30 - Colloids are not dead!  Djillali Annane (Garches , France)   16:30 - 16:45 - Discussion   16:45 - 17:05 - Break   **Microcirculation-targeted therapy: Are we ready?** [Round table]  17:05 - 18:00 - Microcirculation-targeted therapy: Are we ready?  Can Ince (Amsterdam , Netherlands), Antonio Messias (Loures, Portugal), Daniel De Backer (Brussels , Belgium), Jan Bakker (Rotterdam , Netherlands), Jacques Duranteau (Le Kremlin-Bicêtre , France) |
| **Tuesday 18 March 2014 - AM** |
| **ROOM : Copper Hall**  **Intracerebral hemorrhage** [Standard presentation]  11:00 - 11:15 - Stop the bleeding  Stephan A Mayer (New York , United States)   11:15 - 11:30 - Optimal blood pressure  Paul Vespa (Los Angeles , United States)   11:30 - 11:45 - Conservative treatment  Nino Stocchetti (Milan , Italy)   11:45 - 12:00 - When to operate  Peter Le Roux (Wynnewood, United States)   12:00 - 12:15 - Discussion |
| **Tuesday 18 March 2014 - PM** |
| **ROOM : Copper Hall**  **Understanding sepsis** [Standard presentation]  13:45 - 14:00 - Interactions between bacteria and other pathogens Philippe Montravers (Paris , France)   14:00 - 14:15 - Receptor signaling in the pathogenesis of sepsis Tom van der Poll (Amsterdam , Netherlands)   14:15 - 14:30 - Mechanisms of cell death in sepsis Richard Hotchkiss (St Louis , United States)   14:30 - 14:45 - Apoptosis John C Marshall (Toronto , Canada)   14:45 - 15:00 - Discussion   15:00 - 15:15 - Autophagy Greet Van Den Berghe (Leuven , Belgium)   15:15 - 15:30 - Stressful encounters Mervyn Singer (London , United Kingdom)   15:30 - 15:45 - Role of the inflammasome Thierry Calandra (Lausanne , Switzerland)   15:45 - 16:00 - Immunoparalysis Peter Pickkers (Nijmegen , Netherlands)   16:00 - 16:15 - Discussion   16:15 - 16:30 - Break   **My favoured future therapies in sepsis (W)** [Workshop]  16:30 - 17:25 - My favoured future therapies in sepsis Steven Opal (Providence , United States), Richard Hotchkiss (St Louis , United States), Tom van der Poll (Amsterdam , Netherlands), Didier Payen (Paris , France), John C Marshall (Toronto , Canada)   **Innate immunity (TU)** [Tutorial]  17:30 - 18:00 - Innate immunity  Thierry Calandra (Lausanne , Switzerland) |
| **Tuesday 18 March 2014 - AM** |
| **ROOM : Salle M (Bozar)**  **Nutritional support in special circumstances** [Standard presentation]  11:00 - 11:15 - In the critically ill obese  Paul Wischmeyer (Aurora , United States)   11:15 - 11:30 - In acute renal failure  Enrico Fiaccadori (Parma , Italy)   11:30 - 11:45 - In pancreatitis  Pierre-François Laterre (Brussels , Belgium)   11:45 - 12:00 - In cirrhosis  Julia Wendon (London , United Kingdom)   12:00 - 12:15 - Discussion |
| **Tuesday 18 March 2014 - PM** |
| **ROOM : Salle M (Bozar)**  **Respiratory failure: Pathophysiological aspects** [Standard presentation]  13:45 - 14:00 - Control of breathing during mechanical ventilation Dimitris Georgopoulos (Heraklion , Greece)   14:00 - 14:15 - How I distinguish hydrostatic and increased permeability pulmonary edema Jean-Louis Teboul (Le Kremlin-Bicêtre , France)   14:15 - 14:30 - Gas exchange in ARDS Antonio Pesenti (Milan , Italy)   14:30 - 14:45 - Discussion   14:45 - 15:00 - Peripheral airways and hyperinflation Christian Karagiannidis (Köln, Germany)   15:00 - 15:15 - Mechanical interdependence of the chest wall and abdomen John J Marini (St Paul , United States)   15:15 - 15:30 - The kidney in respiratory failure Michael Darmon (Saint-Priest-en-Jarez, France)   15:30 - 15:45 - Discussion   15:45 - 16:05 - Break   **Should we measure transpulmonary pressure ?** [Standard presentation]  16:05 - 16:20 - Why measure it ?  Marco Ranieri (Turin , Italy)   16:20 - 16:35 - How to measure it ?  Davide Chiumello (Milan , Italy)   16:35 - 16:50 - What are the limitations ? John J Marini (St Paul , United States)   16:50 - 17:05 - Does it improve outcomes ?  Neil R MacIntyre (Durham , United States)   17:05 - 17:20 - Discussion   **Blood lactate is a biomarker of hypoperfusion in sepsis** [Pro-con debate]  17:20 - 18:00 - Blood lactate is a biomarker of hypoperfusion in sepsis  **PRO** Jan Bakker (Rotterdam , Netherlands)  **CON** Rinaldo Bellomo (Melbourne, Australia) |
| **Tuesday 18 March 2014 - AM** |
| **ROOM : Tent**  **Infectious threats - Pandemics** [Standard presentation]  11:00 - 11:15 - Emerging infectious diseases in a shrinking world  Thierry Calandra (Lausanne , Switzerland)   11:15 - 11:30 - Developing quick diagnostic tests Richard Rothman (Baltimore, United States)   11:30 - 11:45 - How the critical care community should react  John C Marshall (Toronto , Canada)   11:45 - 12:00 - Personal protective strategies  Edgar Jimenez (Orlando , United States)   12:00 - 12:15 - Discussion |
| **Tuesday 18 March 2014 - PM** |
| **ROOM : Tent**  **Protecting the brain after cardiac arrest** [Standard presentation]  13:45 - 14:00 - Will fast and early cooling further improve survival? Kjetil Sunde (Oslo , Norway)   14:00 - 14:15 - Target temperature: 33 vs 36°C Niklas Nielsen (Helsingborg, Sweden)   14:15 - 14:30 - Should non-VF arrest patients be cooled? Kjetil Sunde (Oslo , Norway)   14:30 - 14:45 - Discussion   14:45 - 15:00 - Optimal blood pressure  Fabio S Taccone (Brussels , Belgium)   15:00 - 15:15 - Optimal heart rate  Kjetil Sunde (Oslo , Norway)   15:15 - 15:30 - Optimal ventilator strategy Jyrki Tenhunen (Uppsala, Sweden)   15:30 - 15:45 - Discussion   15:45 - 16:00 - Xenon in combination with hypothermia  Michael Fries (Aachen , Germany)   16:00 - 16:15 - Novel neuroprotective strategies Fumito Ichinose (Charlestown , United States)   16:15 - 16:30 - What is the overall outcome?  Hans Friberg (Lund , Sweden)   16:30 - 16:45 - Discussion   **Prone positioning in ARDS** [Standard presentation]  16:45 - 17:00 - Prone positioning prevents VILI John J Marini (St Paul , United States)   17:00 - 17:15 - It also has beneficial hemodynamic effects  Antoine Vieillard-Baron (Boulogne-Billancourt , France)   17:15 - 17:30 - In obese patients  Samir Jaber (Montpellier , France)   17:30 - 17:45 - In intraabdominal hypertension  Manu Malbrain (Antwerp , Belgium)   17:45 - 18:00 - Discussion |
| **Tuesday 18 March 2014 - AM** |
| **ROOM : Silver Hall**  **High frequency ventilation: Is it passé ?** [Standard presentation]  11:00 - 11:15 - What went wrong in the clinical trials?  Niall Ferguson (Toronto , Canada)   11:15 - 11:30 - Are OSCILLATE and OSCAR the final words?  Neil R MacIntyre (Durham , United States)   11:30 - 11:45 - I still use it in ARDS Jean-Daniel Chiche (Paris , France)   11:45 - 12:00 - So, is there still a place for high-frequency ventilation?  Arthur S Slutsky (Toronto , Canada)   12:00 - 12:15 - Discussion |
| **Tuesday 18 March 2014 - PM** |
| **ROOM : Silver Hall**  **Fluid in the wrong place** [Standard presentation]  13:45 - 14:00 - Role of the glycocalyx Can Ince (Amsterdam , Netherlands)   14:00 - 14:15 - Managing by echo Paul H Mayo (New York , United States)   14:15 - 14:30 - Pleural effusion and chest wall behavior Luciano Gattinoni (Milan , Italy)   14:30 - 14:45 - Tap it or ignore it? John J Marini (St Paul , United States)   14:45 - 15:00 - What to do with ascites? Pere Ginès (Barcelona, Spain)   15:00 - 15:15 - Discussion   15:15 - 16:00 - Break   **My idea is not so crazy** [Standard presentation]  16:00 - 16:15 - Nitroprusside, lipids and estrogens in CPR  Paul E Pepe (Dallas , United States)   16:15 - 16:30 - Inhaled NO to protect the brain  Fumito Ichinose (Charlestown , United States)   16:30 - 16:45 - Suspended animation with hydrogen sulfide  Mervyn Singer (London , United Kingdom)   16:45 - 17:00 - Discussion   17:00 - 17:15 - We should give EPO to all critically ill patients  Peter Radermacher (Ulm , Germany)   17:15 - 17:30 - Breathomics to diagnose (almost) everything  Marcus Schultz (Amsterdam , Netherlands)   17:30 - 17:45 - Take care when translating ´´clever´´ ideas Brian Kavanagh (Toronto , Canada)   17:45 - 18:00 - Discussion |
| **Tuesday 18 March 2014 - AM** |
| **ROOM : 100 Hall**  **Challenges in intubation** [Standard presentation]  11:00 - 11:15 - Only supraglottic airways in CPR?  Jerry Nolan (Bath , United Kingdom)   11:15 - 11:30 - No place left for nasotracheal intubation?  Eric Maury (Paris , France)   11:30 - 11:45 - Video laryngoscopy should be the preferred technique  Paul H Mayo (New York , United States)   11:45 - 12:00 - We could do it better  Samir Jaber (Montpellier , France)   12:00 - 12:15 - Discussion |
| **Tuesday 18 March 2014 - PM** |
| **ROOM : 100 Hall**  **Extracorporeal gas exchange** [Standard presentation]  13:45 - 14:00 - ECMO retrieval team  Alain Combes (Paris , France)   14:00 - 14:15 - ECMO: Latest fad or here to stay?  Niall Ferguson (Toronto , Canada)   14:15 - 14:30 - ECCO2R in ARDS  Antonio Pesenti (Milan , Italy)   14:30 - 14:45 - ECCO2R in severe asthma and COPD  Christian Karagiannidis (Köln, Germany)   14:45 - 15:00 - Discussion   15:00 - 15:15 - Break   **ARDS is not a disease** [Standard presentation]  15:15 - 15:30 - The Berlin definition is useful Niall Ferguson (Toronto , Canada)   15:30 - 15:45 - The Berlin definition is useless Robert M Kacmarek (Boston , United States)   15:45 - 16:00 - The Berlin definition is OK Greg S Martin (Atlanta , United States)   16:00 - 16:10 - Discussion   16:10 - 16:25 - Why have immunomodulation trials failed in ARDS? Neil R MacIntyre (Durham , United States)   16:25 - 16:40 - From the clinical to the molecular phenotype of ARDS José Angel Lorente (Madrid , Spain)   16:40 - 16:55 - Should we separate primary and secondary ARDS ? Andres Esteban (Madrid , Spain)   16:55 - 17:05 - Discussion   17:05 - 17:20 - Is ARDS different in children? Brian Kavanagh (Toronto , Canada)   17:20 - 17:35 - Biomarkers of ARDS: What, when and why? José Angel Lorente (Madrid , Spain)   17:35 - 17:50 - Quantitative diagnosis using extravascular lung water Takashi Tagami (Tokyo, Japan)   17:50 - 18:00 - Discussion |
| **Tuesday 18 March 2014 - AM** |
| **ROOM : 400 Hall**  **Have me made progress?** [Standard presentation]  11:00 - 11:15 - In sepsis Rinaldo Bellomo (Melbourne, Australia)   11:15 - 11:30 - In renal failure Giovanni Landoni (Milan, Italy)   11:30 - 11:45 - In pediatric critical care Niranjan (Tex) Kissoon (Vancouver , Canada)   11:45 - 12:00 - In ARDS Arthur S Slutsky (Toronto , Canada)   12:00 - 12:15 - Discussion |
| **Tuesday 18 March 2014 - PM** |
| **ROOM : 400 Hall**  **Big data** [Standard presentation]  13:45 - 14:00 - Data mining with MIMIC Leo Anthony Celi (Cambridge, United States)   14:00 - 14:15 - Merging genetic with clinical data Jean-Paul Mira (Paris , France)   14:15 - 14:30 - eRecords for benchmarking and performance assessment Theodore J Iwashyna (Ann Arbor, United States)   14:30 - 14:45 - eResearch: Why it´s not just fancy chart review John Kellum (Pittsburgh , United States)   14:45 - 15:00 - Discussion   15:00 - 15:15 - Big international consortia John C Marshall (Toronto , Canada)   15:15 - 15:30 - The experience of the Surviving Sepsis Campaign Mitchell Levy (Providence , United States)   15:30 - 15:45 - Government use of electronic data Jeremy M Kahn (Pittsburgh , United States)   15:45 - 16:00 - Discussion   16:00 - 16:15 - Break   **Big data in Critical Care** [Round table]  16:15 - 17:00 - Big Data in Critical Care  Kenneth Christopher (Boston, United States), Leo Anthony Celi (Cambridge, United States), Djillali Annane (Garches , France), Jean-Louis Vincent (Brussels , Belgium), Theodore J Iwashyna (Ann Arbor, United States), John C Marshall (Toronto , Canada), Jeremy M Kahn (Pittsburgh , United States)   **New diagnostic test in clinical microbiology (TU)** [Tutorial]  17:00 - 17:30 - New diagnostic test in clinical microbiology Patel Robin (Rochester, United States)   **Controversies in CPR (TU)** [Tutorial]  17:30 - 18:00 - Controversies in CPR  Jerry Nolan (Bath , United Kingdom) |
| **Tuesday 18 March 2014 - AM** |
| **ROOM : Lippens Room National Library**  **Embolism** [Standard presentation]  11:00 - 11:15 - Echocardiography to guide the management of pulmonary embolism Anthony McLean (Sydney , Australia)   12:00 - 12:15 - Discussion |
| **Tuesday 18 March 2014 - PM** |
| **ROOM : Lippens Room National Library**  **Electrolyte and acid-base** [Standard presentation]  13:45 - 14:00 - A new look at dysnatremia Michael Darmon (Saint-Priest-en-Jarez, France)   14:00 - 14:15 - Biomarkers for the differential diagnosis of hyponatremia  Mirjam Christ-Crain (Basel, Switzerland)   14:15 - 14:30 - Management of hyponatremia - Guidelines  Djillali Annane (Garches , France)   14:30 - 14:45 - Discussion   14:45 - 15:00 - Magnesium: The forgotten ion  Figen Esen (Istanbul , Turkey)   15:00 - 15:15 - Chloride: The key electrolyte in acid-base control  Luciano Gattinoni (Milan , Italy)   15:15 - 15:30 - Metabolic alkalosis  Enrico Fiaccadori (Parma , Italy)   15:30 - 15:45 - Discussion   15:45 - 16:05 - Break   **Bicarbonate administration: A reappraisal** [Standard presentation]  16:05 - 16:20 - In severe lactic acidosis  Bruno Levy (Vandoeuvre Les Nancy , France)   16:20 - 16:35 - In non-lactic metabolic acidosis Patrick Honoré (Brussels , Belgium)   16:35 - 16:50 - In respiratory acidosis Antonio Pesenti (Milan , Italy)   16:50 - 17:05 - To protect the kidney  Rinaldo Bellomo (Melbourne, Australia)   17:05 - 17:20 - Discussion   **ECMO (TU)** [Tutorial]  17:20 - 18:00 - ECMO Alain Combes (Paris , France) |
| **Tuesday 18 March 2014 - AM** |
| **ROOM : Studio (Bozar)**  **Pro/con Fluid loading** [Standard presentation]  11:00 - 11:15 - Fluid administration should be generous Daniel De Backer (Brussels , Belgium)   11:15 - 11:30 - Fluid administration should be restricted Simon Finfer (Sydney , Australia)   11:30 - 11:45 - Does quantity really matter? Lauralyn McIntyre (Ottawa , Canada)   **How much fluid?** [Standard presentation]  11:45 - 12:00 - Could rapid determination of plasma volume help? Bruce A Molitoris (Indianapolis , United States)   **Pro/con Fluid loading** [Standard presentation]  12:00 - 12:15 - Discussion |
| **Tuesday 18 March 2014 - PM** |
| **ROOM : Studio (Bozar)**  **Goal-directed perioperative optimization** [Standard presentation]  13:45 - 14:00 - Current status  Andrew Rhodes (London , United Kingdom)   14:00 - 14:15 - Options for cardiac output monitoring  Simon Davies (York, United Kingdom)   14:15 - 14:30 - Fluid management  Monty G Mythen (London , United Kingdom)   14:30 - 14:45 - The unanswered questions  Azriel Perel (Tel Aviv , Israel)   14:45 - 15:00 - Discussion   15:00 - 15:15 - Break   **Goal-directed perioperative optimization: My strategy (RT)** [Round table]  **Moderator :** Charles S Brudney (Durham , United States)  15:15 - 16:00 - Goal-directed perioperative optimization: My strategy Michael Sander (Berlin , Germany), Andreas Hoeft (Bonn , Germany), Daniel Reuter (Hamburg , Germany), Matthieu Biais (Bordeaux, France), Simon Davies (York, United Kingdom)   **Denied ICU admissions** [Standard presentation]  16:00 - 16:15 - New admission policies for cancer patients Elie Azoulay (Paris , France)   16:15 - 16:30 - The patient is too old Bertrand Guidet (Paris , France)   16:30 - 16:45 - The patient is too frail Sean Bagshaw (Edmonton , Canada)   16:45 - 17:00 - What happens to patient refused admission to ICU? Charles Gomersall (Shatin , Hong Kong)   17:00 - 17:15 - Discussion   **HES should not be used outside RCTs** [Pro-con debate]  17:15 - 18:00 - HES should not be used outside RCTs  **PRO** Simon Finfer (Sydney , Australia)  **CON** Monty G Mythen (London , United Kingdom) |
| **Tuesday 18 March 2014 - PM** |
| **ROOM : Arc Room**  **Organ donation** [Standard presentation]  13:45 - 14:00 - End-of-life electrical spikes: Separating fact from fiction Lakhmir Chawla (Washington , United States)   14:00 - 14:15 - Management of the potential organ donor Giuseppe Citerio (Monza , Italy)   14:15 - 14:30 - Goal-directed resuscitation John Kellum (Pittsburgh , United States)   14:30 - 14:45 - Discussion   14:45 - 15:00 - Increasing the number of lungs for transplantion Arthur S Slutsky (Toronto , Canada)   15:00 - 15:15 - Managing the lung donor Marco Ranieri (Turin , Italy)   15:15 - 15:30 - Managing the liver donor Julia Wendon (London , United Kingdom)   15:30 - 15:45 - Discussion   15:45 - 16:05 - Break   **Can we still learn from autopsy?** [Standard presentation]  16:05 - 16:20 - Unexpected findings in critically ill patients: The role of autopsy Giorgio Berlot (Trieste , Italy)   16:20 - 16:35 - Thanatology scanner: Autopsy today  Eric Maury (Paris , France)   16:35 - 16:50 - Histological changes associated with organ dysfunction José Angel Lorente (Madrid , Spain)   16:50 - 17:05 - Discussion   **Subarachnoid hemorrhage: New Strategies** [Standard presentation]  17:05 - 17:20 - Early brain injury  Raimund Helbok (Innsbruck , Austria)   17:20 - 17:35 - Delayed ischemia  Nino Stocchetti (Milan , Italy)   17:35 - 17:50 - Vasospasm management  Peter Le Roux (Wynnewood, United States)   17:50 - 18:00 - Discussion |
| **Wednesday 19 March 2014 - AM** |
| **ROOM : Gold Hall**  **Hemodynamic monitoring** [Standard presentation]  8:00 - 8:15 - Bedside assessment of total cardiovascular status  Michael Pinsky (Pittsburgh , United States)   8:15 - 8:30 - We can trust uncalibrated cardiac output monitors for the ICU : Yes Charles S Brudney (Durham , United States)   8:30 - 8:45 - We can trust uncalibrated cardiac output monitors for the ICU : No Xavier Monnet (Le Kremlin-Bicêtre , France)   8:45 - 9:00 - Widening patient access to flow monitoring from ICU to OR to general ward  Max Jonas (Southampton , United Kingdom)   9:00 - 9:15 - Discussion   9:15 - 9:30 - Functional electrical impedance tomography  Daniel Reuter (Hamburg , Germany)   9:30 - 9:45 - Determination of cardiac output by transthoracic echocardiography (TTE)  Paolo Navalesi (Novara , Italy)   9:45 - 10:00 - Other non-invasive hemodynamic monitoring  Andreas Hoeft (Bonn , Germany)   10:00 - 10:15 - Is there a place for these systems in the ICU?  Matthieu Biais (Bordeaux, France)   10:15 - 10:30 - Discussion   10:30 - 10:45 - Accuracy and precision of the various cardiac output monitoring systems Maurizio Cecconi (London , United Kingdom)   10:45 - 11:00 - Hemodynamic monitoring: What’s the evidence ... and does it matter?  Azriel Perel (Tel Aviv , Israel)   11:00 - 11:15 - Hemodynamic monitoring - numbers to treat?  Jukka Takala (Bern , Switzerland)   11:15 - 11:30 - Discussion   11:30 - 11:40 - Break   **How I use hemodynamic monitoring (TU)** [Tutorial]  11:40 - 12:15 - How I use hemodynamic monitoring Azriel Perel (Tel Aviv , Israel) |
| **Wednesday 19 March 2014 - PM** |
| **ROOM : Gold Hall**  **The pros and cons of fluid responsiveness** [Standard presentation]  13:45 - 14:00 - Pulse pressure vs stroke volume variation Maurizio Cecconi (London , United Kingdom)   14:00 - 14:15 - Assessment in spontaneously breathing patients  Xavier Monnet (Le Kremlin-Bicêtre , France)   14:15 - 14:30 - Can we use non-invasive tools?  Patrice Forget (Brussels , Belgium)   14:30 - 14:45 - Discussion   14:45 - 15:00 - How it´s affected by patient-ventilator synchrony  Paolo Navalesi (Novara , Italy)   15:00 - 15:15 - Limitations of using pulse pressure variation Michel Slama (Amiens , France)   15:15 - 15:30 - Fluid unresponsiveness should be avoided  Jan Bakker (Rotterdam , Netherlands)   15:30 - 15:45 - Discussion   15:45 - 16:00 - Break   **Non-antibiotics approaches for treating severe infections** [Plenary lecture]  16:00 - 16:20 - Non-antibiotic approaches for treating severe infections Jean Chastre (Paris , France)   **Cardiovascular alterations in sepsis** [Standard presentation]  16:20 - 16:35 - Basics of vascular hyporesponsiveness in septic shock  Bruno Levy (Vandoeuvre Les Nancy , France)   16:35 - 16:50 - Basics of septic cardiomyopathy Andreas Hoeft (Bonn , Germany)   16:50 - 17:05 - Systolic and/or diastolic function Michel Slama (Amiens , France)   17:05 - 17:20 - Discussion   17:20 - 17:35 - Does it really matter? Antoine Vieillard-Baron (Boulogne-Billancourt , France)   17:35 - 17:50 - Does it really predict outcome? Anthony McLean (Sydney , Australia)   17:50 - 18:00 - Discussion |
| **Wednesday 19 March 2014 - AM** |
| **ROOM : Copper Hall**  **Recruitment: When and how ?** [Standard presentation]  8:00 - 8:15 - Bedside measurement  Laurent Brochard (Toronto, Canada)   8:15 - 8:30 - Evaluation by imaging Davide Chiumello (Milan , Italy)   8:30 - 8:45 - Evaluation by electrical impedance tomography (EIT) Tommaso Mauri (Monza , Italy)   8:45 - 9:00 - Different methods, different effects?  Paolo Pelosi (Genoa , Italy)   9:00 - 9:15 - Discussion   9:15 - 9:30 - Effect on cardiac function  Michel Slama (Amiens , France)   9:30 - 9:45 - Is it safe?-  Robert M Kacmarek (Boston , United States)   9:45 - 10:00 - It should be performed in every patient with ARDS: Yes Zsolt Molnar (Szeged , Hungary)   10:00 - 10:15 - It should be performed in every patient with ARDS: No Taylor Thompson (Boston , United States)   10:15 - 10:30 - Discussion   **Regional circulation** [Standard presentation]  10:30 - 10:45 - In the brain Nino Stocchetti (Milan , Italy)   10:45 - 11:00 - In the lung Paolo Pelosi (Genoa , Italy)   11:00 - 11:15 - In the kidney Rinaldo Bellomo (Melbourne, Australia)   11:15 - 11:30 - Discussion   11:30 - 11:45 - In the GI tract Jukka Takala (Bern , Switzerland)   11:45 - 12:00 - In the muscle and skin Jan Bakker (Rotterdam , Netherlands)   12:00 - 12:15 - Discussion |
| **Wednesday 19 March 2014 - PM** |
| **ROOM : Copper Hall**  **Ventilating the massively obese** [Plenary lecture]  13:45 - 14:10 - Ventilating the massively obese patient John J Marini (St Paul , United States)   **Multiresistant organisms** [Standard presentation]  14:15 - 14:30 - Risk factors for MDR pathogens in the ICU  Michael S Niederman (Mineola , United States)   14:30 - 14:45 - C. difficile infection: Where next? Mark Wilcox (Leeds , United Kingdom)   14:45 - 15:00 - Recent infection control developments in the ICU  Robert Masterton (Ayrshire, United Kingdom)   15:00 - 15:15 - Multidrug resistance strains in intraabdominal infections  Philippe Montravers (Paris , France)   15:15 - 15:30 - Discussion   15:30 - 15:45 - New technologies for infection diagnostics François Simon (Paris, France)   15:45 - 16:00 - Early recognition of resistant bacteria  Robert Bonomo (Cleveland, United States)   16:00 - 16:15 - Intelligent use of antibiotics to limit antibiotic resistance Steven Opal (Providence , United States)   16:15 - 16:30 - Antibiotic treatment in the era of MDR pathogens  Tobias Welte (Hannover , Germany)   16:30 - 16:45 - Discussion   16:45 - 17:00 - How to treat carbapenemase-producing enterobacteriaceae? Matteo Bassetti (Udine, Italy)   17:00 - 17:15 - How to use colistin?  Arthur Van Zanten (Ede , Netherlands)   17:15 - 17:30 - Aerosolized antibiotics for resistant organisms  Massimo Antonelli (Rome , Italy)   17:30 - 17:45 - What new antibiotics are in the pipeline?  Matteo Bassetti (Udine, Italy)   17:45 - 18:00 - Discussion |
| **Wednesday 19 March 2014 - AM** |
| **ROOM : Salle M (Bozar)**  **Albumin** [Standard presentation]  8:00 - 8:15 - Review of pharmacology  Albert Farrugia (Perth, Australia)   8:15 - 8:30 - Metabolism in the severely ill Jan Wernerman (Stockholm , Sweden)   8:30 - 8:45 - Biological effects in cirrhosis  Paolo Angeli (Padova , Italy)   8:45 - 9:00 - Discussion   9:00 - 9:15 - Albumin for resuscitation  Lauralyn McIntyre (Ottawa , Canada)   9:15 - 9:30 - Albumin supplementation  Massimo Antonelli (Rome , Italy)   9:30 - 9:45 - The Albios study: Resuscitation and/or supplementation  Luciano Gattinoni (Milan , Italy)   9:45 - 10:00 - Discussion   10:00 - 10:20 - Break   **Type of fluids in various conditions** [Standard presentation]  10:20 - 10:35 - In acute brain injury  Peter Andrews (Edinburgh , United Kingdom)   10:35 - 10:50 - In trauma  Andrew Shaw (Durham , United States)   10:50 - 11:05 - In ARDS Greg S Martin (Atlanta , United States)   11:05 - 11:15 - Discussion   11:15 - 11:30 - In the OR  Gernot Marx (Aachen , Germany)   11:30 - 11:45 - In diabetic ketoacidosis  Balasubramanian Venkatesh (Brisbane , Australia)   11:45 - 12:00 - In hepatorenal syndrome  Pere Ginès (Barcelona, Spain)   12:00 - 12:15 - Discussion |
| **Wednesday 19 March 2014 - PM** |
| **ROOM : Salle M (Bozar)**  **The end of saline solutions ?** [Standard presentation]  13:45 - 14:00 - Saline is bad  John Kellum (Pittsburgh , United States)   14:00 - 14:15 - The case for 0.9%NaCl  Can Ince (Amsterdam , Netherlands)   14:15 - 14:30 - It is still OK to give normal saline: Yes  Simon Finfer (Sydney , Australia)   14:30 - 14:45 - Discussion   14:45 - 15:00 - It is still OK to give normal saline: No  Monty G Mythen (London , United Kingdom)   15:00 - 15:15 - We need a SPLIT trial  Paul Young (Wellington, New Zealand)   15:15 - 15:30 - What should we study next?  Paul Young (Wellington, New Zealand)   15:30 - 15:45 - Discussion   **How much fluid?** [Standard presentation]  15:45 - 16:00 - When do we need a fluid challenge? Jean-Louis Vincent (Brussels , Belgium)   16:00 - 16:15 - How do we guide it? The Fenice study Daniel De Backer (Brussels , Belgium)   16:15 - 16:30 - The hemodynamic effects of a fluid bolus  Rinaldo Bellomo (Melbourne, Australia)   16:30 - 16:45 - How to monitor the effects of fluid administration  Xavier Monnet (Le Kremlin-Bicêtre , France)   16:45 - 17:00 - Discussion   17:00 - 17:15 - The use of mean systemic filling pressure in fluid resuscitation  Jan Bakker (Rotterdam , Netherlands)   17:15 - 17:30 - How to assess preload in intraabdominal hypertension  Jan De Waele (Ghent , Belgium)   17:30 - 17:45 - Fluid balance in severe sepsis: The lower the better?  Yasser Sakr (Jena , Germany)   17:45 - 18:00 - Discussion |
| **Wednesday 19 March 2014 - AM** |
| **ROOM : Tent**  **Non-invasive ventilation** [Standard presentation]  8:00 - 8:15 - In the post-operative patient  Samir Jaber (Montpellier , France)   8:15 - 8:30 - Should we always try it in COPD?  Georg-Christian Funk (Vienna , Austria)   8:30 - 8:45 - For pneumonia  Massimo Antonelli (Rome , Italy)   8:45 - 8:55 - Discussion   8:55 - 9:10 - For severe CAP  Antoni Torres (Barcelona , Spain)   9:10 - 9:25 - In ARDS Alexandre Demoule (Paris, France)   9:25 - 9:40 - In immunocompromised patients  Dominique Benoit (Ghent , Belgium)   9:40 - 9:55 - How inflammatory markers can help  Giuseppe Biondi-Zoccai (Rome, Italy)   9:55 - 10:10 - Discussion   **Fluid resuscitation should be guided by ...** [Standard presentation]  10:10 - 10:25 - Fluid responsiveness  Jean-Louis Teboul (Le Kremlin-Bicêtre , France)   10:25 - 10:40 - Cardiac output and/or stroke volume  Michael Sander (Berlin , Germany)   10:40 - 10:55 - Urine analysis  Luciano Gattinoni (Milan , Italy)   10:55 - 11:05 - Discussion   11:05 - 11:20 - ScvO2  Stephen Trzeciak (Camden , United States)   11:20 - 11:35 - Extravascular lung water  Mikhail Kirov (Arkhangelsk , Russia)   11:35 - 11:50 - The peripheral circulation  Jan Bakker (Rotterdam , Netherlands)   11:50 - 12:05 - The microcirculation  Daniel De Backer (Brussels , Belgium)   12:05 - 12:15 - Discussion |
| **Wednesday 19 March 2014 - PM** |
| **ROOM : Tent**  **How much oxygen ?** [Standard presentation]  13:45 - 14:00 - Human tolerance of extreme hypoxemia  Monty G Mythen (London , United Kingdom)   14:00 - 14:15 - Patient intolerance to hypoxemia  Michael Quintel (Göttingen , Germany)   14:15 - 14:30 - Effects of hypoxia on the immune response  Peter Pickkers (Nijmegen , Netherlands)   14:30 - 14:45 - Discussion   14:45 - 15:00 - Hyperoxia can be beneficial  Peter Radermacher (Ulm , Germany)   15:00 - 15:15 - A place for hyperoxia in shock states Fuhong Su (Brussels , Belgium)   15:15 - 15:30 - Standardized approach to severe hypoxemia Ognjen Gajic (Rochester , United States)   15:30 - 15:45 - A place for permissive hypoxemia?  Mervyn Singer (London , United Kingdom)   15:45 - 16:00 - Discussion   16:00 - 16:15 - Break   **Early mobilization** [Standard presentation]  **Moderator :** Michael Ramsay (Dallas , United States)  16:15 - 16:30 - Getting ICU patients back to baseline  Theodore J Iwashyna (Ann Arbor, United States)   16:30 - 16:45 - Muscle metabolism  Greet Van Den Berghe (Leuven , Belgium)   16:45 - 17:00 - Physiotherapy for ICU-acquired weakness  Evelyn Corner (London, United Kingdom)   17:00 - 17:15 - Discussion   17:15 - 17:30 - Do we need a trial on this?  Paul Young (Wellington, New Zealand)   17:30 - 17:45 - We should mobilize both body and brain  E Wesley Ely (Nashville , United States)   17:45 - 18:00 - Discussion |
| **Wednesday 19 March 2014 - AM** |
| **ROOM : Silver Hall**  **Biomarkers in sepsis and ARDS** [Standard presentation]  8:00 - 8:15 - Genome wide associated studies to define targets Didier Payen (Paris , France)   8:15 - 8:30 - Biomarkers in ARDS Arthur S Slutsky (Toronto , Canada)   8:30 - 8:45 - Biomarker discovery through proteomics Jean-Daniel Chiche (Paris , France)   8:45 - 9:00 - Biomarker discovery through metabolomics Greg S Martin (Atlanta , United States)   9:00 - 9:15 - Monitoring the immune system in sepsis Anthony McLean (Sydney , Australia)   9:15 - 9:30 - Discussion   9:30 - 9:45 - The utility of procalcitonin in critically ill septic patients Yahya Shehabi (Randwick, Australia)   9:45 - 10:00 - Procalcitonin to identify infection in heart failure Martin Möckel (Berlin, Germany)   10:00 - 10:15 - I am not sure PCT is sohelpful Mervyn Singer (London , United Kingdom)   10:15 - 10:30 - Alternative biomarkers  Tommaso Mauri (Monza , Italy)   10:30 - 10:45 - Discussion   **Cell therapies** [Standard presentation]  11:00 - 11:15 - Stem cells as markers of sepsis and ARDS Greg S Martin (Atlanta , United States)   11:15 - 11:30 - Mesenchymal stromal cells in sepsis Lauralyn McIntyre (Ottawa , Canada)   11:30 - 11:45 - Mesenchymal stromal cells for ARDS Taylor Thompson (Boston , United States)   11:45 - 12:00 - Stem cells in ARDS Paolo Pelosi (Genoa , Italy)   12:00 - 12:15 - Discussion |
| **Wednesday 19 March 2014 - PM** |
| **ROOM : Silver Hall**  **Massive bleeding** [Standard presentation]  13:45 - 14:00 - Pathophysiology of hemorrhagic shock  Matthieu Biais (Bordeaux, France)   14:00 - 14:15 - Obstetric hemorrhage  Beverley Hunt (London , United Kingdom)   14:15 - 14:30 - Bleeding complications in sepsis  Anders Perner (Copenhagen , Denmark)   14:30 - 14:45 - How much FFP? Kai Zacharowski (Frankfurt , Germany)   14:45 - 15:00 - How many platelet transfusions?  Michael Hiesmayr (Vienna , Austria)   15:00 - 15:15 - Discussion   15:15 - 15:30 - Fibrinogen to boost coagulation?  Jacques Duranteau (Le Kremlin-Bicêtre , France)   15:30 - 15:45 - Tranexamic acid: More than an antifibrinolytic drug?  Beverley Hunt (London , United Kingdom)   15:45 - 16:00 - Desmopressin?  Giovanni Landoni (Milan, Italy)   16:00 - 16:15 - A summary of our new concepts Jerrold H Levy (Durham, United States)   16:15 - 16:30 - A place for fresh blood against blood bank policies? Albert Farrugia (Perth, Australia)   16:30 - 16:45 - Discussion   **Early tracheostomy** [Pro-con debate]  16:45 - 17:20 - Early tracheostomy  **PRO** Marco Ranieri (Turin , Italy)  **CON** Andres Esteban (Madrid , Spain)   **Albumin is affordable** [Pro-con debate]  17:25 - 18:00 - Albumin is affordable  **PRO** Albert Farrugia (Perth, Australia)  **CON** Jukka Takala (Bern , Switzerland) |
| **Wednesday 19 March 2014 - AM** |
| **ROOM : 100 Hall**  **New approaches to clinical trials** [Standard presentation]  8:00 - 8:10 - What multicenter RCTs show a reduced mortality in the critically ill patients? Giovanni Landoni (Milan, Italy)   8:10 - 8:20 - Sepsis outcomes: How much is due to the patient, the hospital, or the health system? Theodore J Iwashyna (Ann Arbor, United States)   8:20 - 8:30 - Adaptive trials Sylvie Chevret (Paris, France)   8:30 - 8:40 - New study designs in sepsis  Derek C Angus (Pittsburgh , United States)   8:40 - 8:55 - Discussion   8:55 - 9:05 - We need a core outcome measure set for acute care research (COMET) John C Marshall (Toronto , Canada)   9:05 - 9:15 - Cluster RCTs Rinaldo Bellomo (Melbourne, Australia)   9:15 - 9:25 - Still struggling with attributable mortality Jean-François Timsit (Paris, France)   9:25 - 9:35 - Acute physiological responsiveness: A criterion for trial entry? Brian Kavanagh (Toronto , Canada)   9:35 - 9:50 - Discussion   9:50 - 10:00 - Acute sepsis MODS vs chronic critical illness Clifford S Deutschman (Philadelphia , United States)   10:00 - 10:10 - QALYs as an outcome Niall Ferguson (Toronto , Canada)   10:10 - 10:20 - Neurological testing and quality of life Niklas Nielsen (Helsingborg, Sweden)   10:20 - 10:30 - ARDS as an end-point  Taylor Thompson (Boston , United States)   10:30 - 10:45 - Discussion   10:45 - 10:55 - To what extent can we use surrogate markers?  Antoni Torres (Barcelona , Spain)   10:55 - 11:05 - The value of observational studies  James Krinsley (Stamford , United States)   11:05 - 11:15 - The role of data safety and monitoring boards Arthur S Slutsky (Toronto , Canada)   11:15 - 11:30 - Discussion   11:30 - 11:40 - Trials and tribulations of pre-hospital CPR trials Gavin Perkins (Warwick , United Kingdom)   11:40 - 11:50 - Feasible endpoints for clinical trials Michael Reade (Herston QLD, Australia)   11:50 - 12:05 - Discussion |
| **Wednesday 19 March 2014 - PM** |
| **ROOM : 100 Hall**  **End-of-life care** [Standard presentation]  13:45 - 14:00 - Diagnosing dying: A new role for intensivists Ken Hillman (Liverpool , Australia)   14:00 - 14:15 - We do not know enough about patients’ preferences? Daren K Heyland (Kingston , Canada)   14:15 - 14:30 - Antibiotics should be withheld in terminally ill patients Michael S Niederman (Mineola , United States)   14:30 - 14:45 - Discussion   14:45 - 15:00 - The use of futility is futile Jan Bakker (Rotterdam , Netherlands)   15:00 - 15:15 - The prolonged critically ill patient: How to stay motivated Geert Meyfroidt (Leuven , Belgium)   15:15 - 15:30 - A hard Canadian experience Gordon Rubenfeld (Toronto , Canada)   15:30 - 15:45 - Discussion   15:45 - 16:00 - Do we need palliative care specialists? Michael Quintel (Göttingen , Germany)   16:00 - 16:15 - Extubation or terminal weaning? Jean Reignier (La Roche Sur Yon Cedex 9 , France)   16:15 - 16:30 - Palliative sedation Steven Laureys (Liège , Belgium)   16:30 - 16:45 - How to provide a  E Wesley Ely (Nashville , United States)   16:45 - 17:00 - Discussion   **Balancing between syndromes and diseases (RT)** [Standard presentation]  17:00 - 17:15 - Challenging diagnosis-based medicine Ken Hillman (Liverpool , Australia)   **Should we abandon the concept of ARDS and sepsis** [Round table]  17:15 - 18:00 - Should we abandon the concepts of ARDS and sepsis? Clifford S Deutschman (Philadelphia , United States), John C Marshall (Toronto , Canada), Marco Ranieri (Turin , Italy), Luciano Gattinoni (Milan , Italy), Niall Ferguson (Toronto , Canada), Gordon Rubenfeld (Toronto , Canada) |
| **Wednesday 19 March 2014 - AM** |
| **ROOM : 400 Hall**  **Special nutrients** [Standard presentation]  8:00 - 8:15 - Glutamine and antioxidants: An update  Daren K Heyland (Kingston , Canada)   8:15 - 8:30 - Glutamine supplementation should now be avoided  Arthur Van Zanten (Ede , Netherlands)   8:30 - 8:45 - The role of omega-3 fatty acid, gamma-linolenic acid, and antioxidant supplementation  Taylor Thompson (Boston , United States)   8:45 - 9:00 - Discussion   9:00 - 9:15 - Still a place for anti-oxidants?  Paul Van Leeuwen (Amsterdam , Netherlands)   9:15 - 9:30 - Adding vitamin D for everyone?  Kenneth Christopher (Boston, United States)   9:30 - 9:45 - How to assess the risks of special nutrients  Jean-Charles Preiser (Brussels , Belgium)   9:45 - 10:00 - Protein is the most important nutrient in the ICU  Paul Wischmeyer (Aurora , United States)   10:00 - 10:15 - Discussion   10:15 - 10:30 - Break   **Optimal amount of calories and proteins (RT)** [Round table]  **Moderator :** Adam Deane (Adelaide , Australia)  10:30 - 11:15 - Optimal amount of calories and proteins  Daren K Heyland (Kingston , Canada), Jan Wernerman (Stockholm , Sweden), Paul Wischmeyer (Aurora , United States), Michael Hiesmayr (Vienna , Austria), Arthur Van Zanten (Ede , Netherlands)   **Public awareness** [Standard presentation]  11:15 - 11:30 - Communicating about sepsis  Konrad Reinhart (Jena , Germany)   11:30 - 11:45 - How to talk to the public  Paul E Pepe (Dallas , United States)   11:45 - 12:00 - Should public reporting be mandatory?  Mitchell Levy (Providence , United States)   12:00 - 12:15 - Discussion |
| **Wednesday 19 March 2014 - PM** |
| **ROOM : 400 Hall**  **Monitoring the kidney** [Standard presentation]  13:45 - 14:00 - The continuing spectrum from mild pre-renal to end-stage renal failure  Claudio Ronco (Vicenza , Italy)   14:00 - 14:15 - Cell cycle arrest biomarkers  John Kellum (Pittsburgh , United States)   14:15 - 14:30 - Novel biomarkers  Rinaldo Bellomo (Melbourne, Australia)   14:30 - 14:45 - Renal biomarkers: How to use them in practice  Andrew Shaw (Durham , United States)   14:45 - 15:00 - Discussion   15:00 - 15:15 - Measured GFR: Is it useful?  Bruce A Molitoris (Indianapolis , United States)   15:15 - 15:30 - Assessment of renal perfusion using renal Doppler  Michael Darmon (Saint-Priest-en-Jarez, France)   15:30 - 15:45 - Contrast-enhanced ultrasound  Jacques Duranteau (Le Kremlin-Bicêtre , France)   15:45 - 16:00 - The renal stress test  Lakhmir Chawla (Washington , United States)   16:00 - 16:15 - Discussion   **Biomarkers should be included in the classification of renal dysfunction** [Pro-con debate]  16:15 - 16:40 - Biomarkers should be included in the classification of renal dysfunction  **PRO** Michael Darmon (Saint-Priest-en-Jarez, France)  **CON** Michael Joannidis (Innsbruck , Austria)   **Tracheostomy early, late or never** [Standard presentation]  16:45 - 17:00 - Minimizing risk during dilatational percutaneous tracheostomy  Axel Nierhaus (Hamburg , Germany)   17:00 - 17:15 - How to do it better  Paolo Pelosi (Genoa , Italy)   17:15 - 17:30 - Longer term outcomes  Alain Combes (Paris , France)   17:30 - 17:45 - Patients like tracheostomy  Marek Mirski (Baltimore , United States)   17:45 - 18:00 - Discussion |
| **Wednesday 19 March 2014 - AM** |
| **ROOM : Lippens Room National Library**  **Viral and fungal infections** [Standard presentation]  8:00 - 8:15 - Herpes simplex in the ICU Philippe Jorens (Edegem , Belgium)   8:15 - 8:30 - Should we treat cytomegalovirus reactivation?  Laurent Papazian (Marseille , France)   8:30 - 8:45 - Sepsis in HIV patients  Tom van der Poll (Amsterdam , Netherlands)   8:45 - 9:00 - Discussion   9:00 - 9:15 - Candida sepsis  Thierry Calandra (Lausanne , Switzerland)   9:15 - 9:30 - Intra-abdominal candidiasis: Management recommendations Matteo Bassetti (Udine, Italy)   9:30 - 9:45 - Candida infection: Epidemiology and markers Antonio Messias (Loures, Portugal)   9:45 - 10:00 - Discussion   10:00 - 10:15 - Role of biomarker-based pre-emptive antifungal therapy  Markus Ruhnke (Berlin , Germany)   10:15 - 10:30 - The importance of empiric therapy for Candida in nosocomial septic shock  Marin Kollef (St Louis , United States)   10:30 - 10:45 - Candida in the lung: Should we treat it?  Daren K Heyland (Kingston , Canada)   10:45 - 11:00 - Aspergillus infections in the ICU Elie Azoulay (Paris , France)   11:00 - 11:15 - Discussion   11:15 - 11:30 - Break   **Genomic medicine in the ICU: Ready for prime time?** [Plenary lecture]  11:30 - 11:50 - Genomic medicine in the ICU: Ready for prime time? Andrew Shaw (Durham , United States)   **Genome wide associated studiesfor ICU patients** [Plenary lecture]  11:55 - 12:15 - Genome wide associated studies in ICU patients Jean-Paul Mira (Paris , France) |
| **Wednesday 19 March 2014 - PM** |
| **ROOM : Lippens Room National Library**  **Resuscitation towards the microcirculation** [Standard presentation]  13:45 - 14:00 - Traditional resuscitation strategies and endpoints  Lauralyn McIntyre (Ottawa , Canada)   14:00 - 14:15 - The microcirculation in obstructive and septic shock  Jan Bakker (Rotterdam , Netherlands)   14:15 - 14:30 - Subcellular compartments: The glycocalyx and the mitochondria  Can Ince (Amsterdam , Netherlands)   14:30 - 14:45 - Discussion   14:45 - 15:00 - CO2 tonometry in the ICU  Didier Payen (Paris , France)   15:00 - 15:15 - We need to monitor tissue oxygenation  Mervyn Singer (London , United Kingdom)   15:15 - 15:30 - Discussion   15:30 - 15:40 - Break   **Monitoring in mechanical ventilation** [Standard presentation]  15:40 - 15:55 - My patient is dyspneic : What should I do? Alexandre Demoule (Paris, France)   15:55 - 16:10 - Oxygen targets in mechanically ventilated patients  Rinaldo Bellomo (Melbourne, Australia)   16:10 - 16:25 - How to monitor respiratory muscle function  Leo Heunks (Nijmegen , Netherlands)   16:25 - 16:40 - How to monitor diaphragmatic function  Niall Ferguson (Toronto , Canada)   16:40 - 17:00 - Discussion   17:00 - 17:15 - How to monitor lung mechanics  Robert M Kacmarek (Boston , United States)   17:15 - 17:30 - The level of support based on EIT Diederik Gommers (Rotterdam , Netherlands)   17:30 - 17:45 - How monitoring can improve sleep Laurent Brochard (Toronto, Canada)   17:45 - 18:00 - Discussion |
| **Wednesday 19 March 2014 - AM** |
| **ROOM : Studio (Bozar)**  **In the emergency room** [Standard presentation]  8:00 - 8:15 - Overcrowding Martin Möckel (Berlin, Germany)   8:15 - 8:30 - Risk stratification with biomarkers  Christian H Nickel (Basel , Switzerland)   8:30 - 8:45 - Critical care ultrasonography of the whole body  Paul H Mayo (New York , United States)   8:45 - 9:00 - Discussion   9:00 - 9:15 - The battered child  Philippe Jorens (Edegem , Belgium)   9:15 - 9:30 - Drugs of abuse: A shifting landscape  Janice L. Zimmerman (Houston , United States)   9:30 - 9:45 - Intoxications: Indications for extracorporeal support Patrick Honoré (Brussels , Belgium)   9:45 - 10:00 - Discussion   10:00 - 10:15 - Risk stratification in burn injury  Stijn Blot (Ghent , Belgium)   10:15 - 10:30 - Anaphylaxis Jerrold H Levy (Durham, United States)   10:30 - 10:45 - Discussion   10:45 - 11:15 - Break   **Fluid and the kidney** [Standard presentation]  11:15 - 11:30 - The acute hemodynamic effects of furosemide Rinaldo Bellomo (Melbourne, Australia)   11:30 - 11:45 - Are diuretics bad for the kidney? Sean Bagshaw (Edmonton , Canada)   11:45 - 12:00 - Optimal use of ultrafiltration in fluid overload Amir Kazory (Gainesville, United States)   12:00 - 12:15 - Discussion |
| **Wednesday 19 March 2014 - PM** |
| **ROOM : Studio (Bozar)**  **Guidelines and bundles** [Standard presentation]  13:45 - 14:00 - Medical informatics to guide therapy  Paul Vespa (Los Angeles , United States)   14:00 - 14:15 - Using apps as a support  Martin Möckel (Berlin, Germany)   14:15 - 14:30 - AWARE and CERTAIN: Novel intelligence application  Ognjen Gajic (Rochester , United States)   14:30 - 14:45 - Pros and cons of protocols  Brian Kavanagh (Toronto , Canada)   14:45 - 15:00 - Discussion   15:00 - 15:15 - The NICE experience: Influence of committees and politicians  Max Jonas (Southampton , United Kingdom)   15:15 - 15:30 - Improving compliance with sepsis guidelines  Niranjan (Tex) Kissoon (Vancouver , Canada)   15:30 - 15:45 - The hemodynamic recommendations of the Surviving Sepsis Campaign are simply unacceptable  Azriel Perel (Tel Aviv , Israel)   15:45 - 16:00 - How come hospitals that care for more sepsis patients may not produce better outcomes? Theodore J Iwashyna (Ann Arbor, United States)   16:00 - 16:15 - Discussion   16:15 - 16:30 - Quality improvement through education: The MEDUSA trial Konrad Reinhart (Jena , Germany)   16:30 - 16:45 - What about guideline adherence in cardiogenic shock therapy? Karl Werdan (Halle , Germany)   16:45 - 17:00 - What would you do when there is little evidence? Gordon Rubenfeld (Toronto , Canada)   17:00 - 17:15 - Discussion |
| **Wednesday 19 March 2014 - AM** |
| **ROOM : Arc Room**  **Postanoxic brain damage** [Standard presentation]  8:00 - 8:15 - Prognostication Massimo Antonelli (Rome , Italy)   8:15 - 8:30 - New biomarkers  Michael Joannidis (Innsbruck , Austria)   8:30 - 8:45 - New data on biomarkers Hans Friberg (Lund , Sweden)   8:45 - 9:00 - Discussion   9:00 - 9:15 - Place of EEG  Hans Friberg (Lund , Sweden)   9:15 - 9:30 - Multimodal prognostication  Mauro Oddo (Lausanne , Switzerland)   9:30 - 9:45 - Measuring consciousness with a number  Steven Laureys (Liège , Belgium)   9:45 - 10:00 - Discussion   **Interpretation of SvO2/ScvO2 (TU)** [Tutorial]  10:00 - 10:30 - Interpretation of SvO2/ScvO2  Xavier Monnet (Le Kremlin-Bicêtre , France)   **Dealing with old and new antithrombotics** [Standard presentation]  10:30 - 10:45 - Reversing the effects of vitamin K antagonists Truman Milling (Austin, United States)   10:45 - 11:00 - New oral anticoagulants: The evolving story  Beverley Hunt (London , United Kingdom)   11:00 - 11:15 - Use of new oral anticoagulants  Jerrold H Levy (Durham, United States)   11:15 - 11:30 - Discussion   11:30 - 11:45 - Oral anticoagulant-induced bleeding  Christian J Wiedermann (Bolzano , Italy)   11:45 - 12:00 - Antagonizing the effects of oral antiplatelet agents  Giuseppe Biondi-Zoccai (Rome, Italy)   12:00 - 12:15 - Discussion |
| **Thursday 20 March 2014 - AM** |
| **ROOM : Gold Hall**  **Patient-ventilator dysynchrony** [Standard presentation]  8:00 - 8:15 - Mechanisms Dimitris Georgopoulos (Heraklion , Greece)   8:15 - 8:30 - Recognition Marco Ranieri (Turin , Italy)   8:30 - 8:45 - We should mesure intratracheal pressure-swings Diederik Gommers (Rotterdam , Netherlands)   8:45 - 9:00 - Discussion   9:00 - 9:15 - It is harmful Robert M Kacmarek (Boston , United States)   9:15 - 9:30 - … maybe beneficial ?  Laurent Brochard (Toronto, Canada)   9:30 - 9:45 - Managing the respirator Neil R MacIntyre (Durham , United States)   9:45 - 10:00 - Discussion   10:00 - 10:15 - Managing the patient Paolo Navalesi (Novara , Italy)   10:15 - 10:30 - Aim before you act: Defining a rational basis for selecting a ventilatory mode Robert Chatburn (Cleveland, United States)   10:30 - 10:45 - Discussion   10:45 - 11:00 - Poster award Jukka Takala (Bern , Switzerland)   **Dealing with hypercapnia** [Standard presentation]  11:00 - 11:15 - When to treat Andres Esteban (Madrid , Spain)   11:15 - 11:30 - A place for therapeutic hypercapnia? Brian Kavanagh (Toronto , Canada)   11:30 - 11:45 - ECCO2R in mechanical ventilation Michael Quintel (Göttingen , Germany)   11:45 - 12:00 - ECCO2R to avoid endotracheal intubation for decompensated COPD Marco Ranieri (Turin , Italy)   12:00 - 12:15 - Discussion |
| **Thursday 20 March 2014 - PM** |
| **ROOM : Gold Hall**  **Renal replacement therapy** [Standard presentation]  13:45 - 14:00 - Would outcomes be worse without renal replacement therapy? Sean Bagshaw (Edmonton , Canada)   14:00 - 14:15 - Optimal timing  John Kellum (Pittsburgh , United States)   14:15 - 14:30 - Should we start earlier in the presence of lactate-associated acidosis? Eric Hoste (Ghent , Belgium)   14:30 - 14:45 - Discussion   14:45 - 15:00 - Does the type of RRT influence renal recovery?-  Rinaldo Bellomo (Melbourne, Australia)   15:00 - 15:15 - How to prescribe the appropriate dose and type of fluids  Claudio Ronco (Vicenza , Italy)   15:15 - 15:30 - Permissive hypofiltration  Lakhmir Chawla (Washington , United States)   15:30 - 15:45 - Discussion   15:45 - 16:00 - Optimizing hemodynamic stability during RRT  Ravindra Mehta (San Diego , United States)   16:00 - 16:15 - SLED in the ICU  Enrico Fiaccadori (Parma , Italy)   16:15 - 16:30 - My protocol for citrate anticoagulation  Miet Schetz (Leuven , Belgium)   16:30 - 16:45 - Discussion   16:45 - 17:00 - Citrate anticoagulation: Not for every case  Patrick Honoré (Brussels , Belgium)   17:00 - 17:15 - Regional citrate vs heparin anticoagulation: A new study  David Gattas (Sydney , Australia)   17:15 - 17:30 - Discussion   **Renal replacement therapies (TU)** [Tutorial]  17:30 - 18:00 - Renal replacement therapies Ravindra Mehta (San Diego , United States) |
| **Thursday 20 March 2014 - AM** |
| **ROOM : Copper Hall**  **Nutritional support** [Standard presentation]  8:00 - 8:15 - Nutrition and autophagy during critical illness  Greet Van Den Berghe (Leuven , Belgium)   8:15 - 8:30 - How stress influences the gut  Pierre Déchelotte (Rouen , France)   8:30 - 8:45 - Malnutrition and outcomes  Kenneth Christopher (Boston, United States)   8:45 - 9:00 - Discussion   9:00 - 9:15 - Refeeding syndrome in the ICU  Michael Hiesmayr (Vienna , Austria)   9:15 - 9:30 - Obesity and outcome  Yasser Sakr (Jena , Germany)   9:30 - 9:45 - Malabsorption of nutrients in the critically ill  Adam Deane (Adelaide , Australia)   9:45 - 10:00 - Fasting as a risk factor for adverse renal outcomes?  Ravindra Mehta (San Diego , United States)   10:00 - 10:15 - Discussion   10:15 - 10:30 - Enteral and/or parenteral routes: Resolving controversies  Paul Wischmeyer (Aurora , United States)   10:30 - 10:45 - Not all ICU patients will benefit  Daren K Heyland (Kingston , Canada)   10:45 - 11:00 - When is permissive underfeeding appropriate?  Stephen McClave (Louisville, United States)   11:00 - 11:15 - Discussion   **Diagnosis and management of sepsis in children** [Plenary lecture]  11:15 - 11:40 - Diagnosis and management of sepsis in children Niranjan (Tex) Kissoon (Vancouver , Canada)   **Managing end-of-life care in the ICU (TU)** [Tutorial]  11:45 - 12:15 - Managing end-of-life care in the ICU Ken Hillman (Liverpool , Australia) |
| **Thursday 20 March 2014 - PM** |
| **ROOM : Copper Hall**  **Sedation & analgesia** [Standard presentation]  **Moderator :** Jean-Michel Constantin (Clermont-Ferrand , France)  13:45 - 14:00 - Trials of sedation have advanced our practice E Wesley Ely (Nashville , United States)   14:00 - 14:15 - Trials of sedation have contributed little Jukka Takala (Bern , Switzerland)   14:15 - 14:30 - Sedation strategies in the neuro-ICU  Geert Meyfroidt (Leuven , Belgium)   14:30 - 14:45 - Ketamine is the best  Paul Wischmeyer (Aurora , United States)   14:45 - 15:00 - Discussion   15:00 - 15:15 - Clonidine is ideal  Patrice Forget (Brussels , Belgium)   15:15 - 15:30 - I´d like to sleep Dimitris Georgopoulos (Heraklion , Greece)   15:30 - 15:45 - A place for volatile anesthetics? Antonio Pesenti (Milan , Italy)   15:45 - 16:00 - Improved analgesia management may improve outcome  Samir Jaber (Montpellier , France)   16:00 - 16:15 - Discussion   16:15 - 16:30 - Break   **Pancreatitis** [Standard presentation]  16:30 - 16:45 - Basic principles in managing a complex disease  John C Marshall (Toronto , Canada)   16:45 - 17:00 - Cardiovascular management  Daniel Reuter (Hamburg , Germany)   17:00 - 17:15 - Respiratory management  Samir Jaber (Montpellier , France)   17:15 - 17:30 - Early enteral feeding for all?  Stephen McClave (Louisville, United States)   17:30 - 17:45 - When to give antibiotics and antifungals  Philippe Montravers (Paris , France)   17:45 - 18:00 - Discussion |
| **Thursday 20 March 2014 - AM** |
| **ROOM : Salle M (Bozar)**  **Neurophysiologic bases** [Standard presentation]  8:00 - 8:15 - Cerebral metabolism Mauro Oddo (Lausanne , Switzerland)   8:15 - 8:30 - Intracerebral mechanics Marek Mirski (Baltimore , United States)   8:30 - 8:45 - Cerebral perfusion Giuseppe Citerio (Monza , Italy)   8:45 - 9:00 - Electrical activity of the brain Marek Mirski (Baltimore , United States)   9:00 - 9:15 - Discussion   9:15 - 9:30 - Break   **Polytrauma** [Standard presentation]  9:30 - 9:45 - Hemodynamic monitoring Jacques Duranteau (Le Kremlin-Bicêtre , France)   9:45 - 10:00 - Abdominal trauma  John C Marshall (Toronto , Canada)   10:00 - 10:15 - Pelvic fracture  Jacques Duranteau (Le Kremlin-Bicêtre , France)   10:15 - 10:30 - Discussion   10:30 - 10:45 - Liver trauma  Julia Wendon (London , United Kingdom)   10:45 - 11:00 - Quality indicators  Michael Reade (Herston QLD, Australia)   11:00 - 11:10 - Discussion   **Do you measure CVP?** [Pro-con debate]  11:10 - 11:40 - Do you measure CVP?  **PRO** Daniel De Backer (Brussels , Belgium)  **CON** Daniel Reuter (Hamburg , Germany)  **MAYBE** Jean-Louis Teboul (Le Kremlin-Bicêtre , France)   **Colloids in sepsis** [Pro-con debate]  11:45 - 12:15 - Colloids in sepsis  **PRO** Claude Martin (Marseille , France)  **CON** Konrad Reinhart (Jena , Germany) |
| **Thursday 20 March 2014 - PM** |
| **ROOM : Salle M (Bozar)**  **VILI revisited** [Standard presentation]  13:45 - 14:00 - Where does VILI start in the lungs? Luciano Gattinoni (Milan , Italy)   14:00 - 14:15 - PET: New questions and answers in dynamics of regional lung inflammation Fernando Suarez Sipmann (Uppsala, Sweden)   14:15 - 14:30 - Why young lungs are less sensitive Brian Kavanagh (Toronto , Canada)   14:30 - 14:45 - Discussion   14:45 - 15:00 - Lower tidal volumes for all? Marcus Schultz (Amsterdam , Netherlands)   15:00 - 15:15 - ….including in patients with cardiogenic shock? Karl Werdan (Halle , Germany)   15:15 - 15:30 - Why did we ever use large tidal volumes? Neil R MacIntyre (Durham , United States)   15:30 - 15:45 - Discussion   15:45 - 16:00 - Protective ventilation in non-injured lungs: Tidal volume, PEEP or both?  Paolo Pelosi (Genoa , Italy)   16:00 - 16:15 - How to enhance lung protection during spontaneously breathing Tommaso Mauri (Monza , Italy)   16:15 - 16:30 - Novel approaches to minimize VILI Arthur S Slutsky (Toronto , Canada)   16:30 - 16:45 - Discussion   16:45 - 17:00 - Break   **Still a place for the pulmonary artery catheter (RT)** [Round table]  17:00 - 18:00 - Still a place for the pulmonary artery catheter Xavier Monnet (Le Kremlin-Bicêtre , France), John Kellum (Pittsburgh , United States), Michael Pinsky (Pittsburgh , United States), Jukka Takala (Bern , Switzerland), Andrew Rhodes (London , United Kingdom), Daniel De Backer (Brussels , Belgium) |
| **Thursday 20 March 2014 - AM** |
| **ROOM : Tent**  **Beta-blockade for everyone?** [Standard presentation]  8:00 - 8:15 - In the perioperative patient Stefan De Hert (Ghent , Belgium)   8:15 - 8:30 - In the cirrhotic patient Thomas Sersté (Bruxelles, Belgium)   8:30 - 8:45 - In the neurosurgical patient Peter Le Roux (Wynnewood, United States)   8:45 - 8:55 - Discussion   8:55 - 9:10 - In the cardiovascular patient Antonio Messias (Loures, Portugal)   9:10 - 9:25 - In the septic patient Bruno Levy (Vandoeuvre Les Nancy , France)   9:25 - 9:40 - Clinical studies in septic shock Andrea Morelli (Rome , Italy)   9:40 - 9:50 - Discussion   9:50 - 10:05 - Break   **Corticosteroids in 2014** [Standard presentation]  10:05 - 10:20 - The HPA axis is suppressed during critical illness Djillali Annane (Garches , France)   10:20 - 10:35 - The HPA axis is not suppressed during critical illness Greet Van Den Berghe (Leuven , Belgium)   10:35 - 10:50 - The problem is in the cell  Clifford S Deutschman (Philadelphia , United States)   10:50 - 11:00 - Discussion   11:00 - 11:15 - Steroids in sepsis: do we need another trial? Balasubramanian Venkatesh (Brisbane , Australia)   11:15 - 11:30 - In ARDS? Djillali Annane (Garches , France)   11:30 - 11:45 - In severe CAP? Antoni Torres (Barcelona , Spain)   11:45 - 12:00 - In trauma? Jacques Duranteau (Le Kremlin-Bicêtre , France)   12:00 - 12:15 - Discussion |
| **Thursday 20 March 2014 - PM** |
| **ROOM : Tent**  **Glucose control in 2014** [Standard presentation]  13:45 - 14:00 - Glucose: A pro-inflammatory substrate  Didier Payen (Paris , France)   14:00 - 14:15 - Has anything happened since NICE-SUGAR?  James Krinsley (Stamford , United States)   14:15 - 14:30 - Intensive insulin therapy trialists’ collaboration: A meta-analysis of individual data Simon Finfer (Sydney , Australia)   14:30 - 14:45 - Similar targets after acute brain injury? Mauro Oddo (Lausanne , Switzerland)   14:45 - 15:00 - Discussion   15:00 - 15:15 - What about diabetics?  James Krinsley (Stamford , United States)   15:15 - 15:30 - Near-continuous glucose monitoring  Jean-Charles Preiser (Brussels , Belgium)   15:30 - 15:45 - Pharmaconutrition and insulin resistance Pierre Déchelotte (Rouen , France)   15:45 - 16:00 - Novel therapies to treat hyperglycemia without causing hypoglycemia  Adam Deane (Adelaide , Australia)   16:00 - 16:15 - Discussion   **Management of severe ARDS (TU)** [Tutorial]  16:15 - 16:45 - Management of severe ARDS  Laurent Brochard (Toronto, Canada)   **Hematological emergencies (TU)** [Tutorial]  16:50 - 17:20 - Hematological emergencies  Michael Darmon (Saint-Priest-en-Jarez, France)   **Parenteral nutrition in the ICU (TU)** [Tutorial]  17:25 - 18:00 - Parenteral nutrition in the ICU  Paul Wischmeyer (Aurora , United States) |
| **Thursday 20 March 2014 - AM** |
| **ROOM : Silver Hall**  **Another look a vasopressors** [Standard presentation]  8:00 - 8:15 - Myocardial effects of vasopressors Bruno Levy (Vandoeuvre Les Nancy , France)   8:15 - 8:30 - Hemodynamic effects of norepinephrine revisited  Xavier Monnet (Le Kremlin-Bicêtre , France)   8:30 - 8:45 - Anything new about vasopressin? Daniel De Backer (Brussels , Belgium)   8:45 - 9:00 - A place for angiotensin II? Lakhmir Chawla (Washington , United States)   9:00 - 9:15 - Discussion   **How I can use microcirculation to target therapy (W)** [Workshop]  9:15 - 10:00 - How I can use the microcirculation to target therapy Can Ince (Amsterdam , Netherlands), Didier Payen (Paris , France), Daniel De Backer (Brussels , Belgium), Jacques Duranteau (Le Kremlin-Bicêtre , France), Jan Bakker (Rotterdam , Netherlands)   **Target blood pressure** [Standard presentation]  10:00 - 10:15 - MAP: The higher the better in septic shock? Claude Martin (Marseille , France)   10:15 - 10:30 - How to run the circulation at the lowest possible pressures Jan Bakker (Rotterdam , Netherlands)   10:30 - 10:45 - Consider the MAP gap Rinaldo Bellomo (Melbourne, Australia)   10:45 - 11:00 - Discussion   11:00 - 11:15 - Does one blood pressure target fit all? Peter Radermacher (Ulm , Germany)   11:15 - 11:30 - Optimal pressure for the body´s organs Michael Pinsky (Pittsburgh , United States)   11:30 - 11:45 - Renal failure in cirrhosis: Vasopressin or norepinephrine? Paolo Angeli (Padova , Italy)   11:45 - 12:00 - A pragmatic approach to optimize blood pressure Stephen Trzeciak (Camden , United States)   12:00 - 12:15 - Discussion |
| **Thursday 20 March 2014 - PM** |
| **ROOM : Silver Hall**  **Heart and lung** [Standard presentation]  13:45 - 14:00 - Heart-lung interactions from the lung perspective Fernando Suarez Sipmann (Uppsala, Sweden)   14:00 - 14:15 - Cardiovascular insufficiency during initiation and withdrawal of mechanical ventilation  Michael Pinsky (Pittsburgh , United States)   14:15 - 14:30 - Inhaled therapies for right ventricular failure Sven-Erik Ricksten (Gothenburg, Sweden)   14:30 - 14:45 - Right ventricular protective ventilation Antoine Vieillard-Baron (Boulogne-Billancourt , France)   14:45 - 15:00 - Discussion   **Partial ventilatory support** [Standard presentation]  15:00 - 15:15 - Where are we now? Niall Ferguson (Toronto , Canada)   15:15 - 15:30 - Noisy ventilation Paolo Pelosi (Genoa , Italy)   15:30 - 15:45 - Ventilator-induced diaphragm dysfunction: Clinical impact  Samir Jaber (Montpellier , France)   15:45 - 16:00 - How to prevent it Alexandre Demoule (Paris, France)   16:00 - 16:15 - Discussion   16:15 - 16:30 - How to improve diaphragm function Leo Heunks (Nijmegen , Netherlands)   16:30 - 16:45 - Current status of proportional-assist ventilation Dimitris Georgopoulos (Heraklion , Greece)   16:45 - 17:00 - Impact of APRV on oxygen delivery Brian Kavanagh (Toronto , Canada)   17:00 - 17:15 - Benefits of proportional modes Laurent Brochard (Toronto, Canada)   17:15 - 17:30 - Discussion   17:30 - 17:45 - NAVA in patients with ARDS Leo Heunks (Nijmegen , Netherlands)   17:45 - 18:00 - PAV and NAVA are ideal modes of ventilation Robert M Kacmarek (Boston , United States)   18:00 - 18:15 - How to reconcile the use of paralytics and the need to preserve muscular activity in ARDS Laurent Papazian (Marseille , France)   18:15 - 18:30 - Discussion |
| **Thursday 20 March 2014 - AM** |
| **ROOM : 100 Hall**  **Nosocomial infections** [Standard presentation]  8:00 - 8:15 - Rapid molecumar testing Richard Rothman (Baltimore, United States)   8:15 - 8:30 - The microbial flora of critical illness: What does it tell us? John C Marshall (Toronto , Canada)   8:30 - 8:45 - Chlorhexidine: Anyone for a bath?  Mark Wilcox (Leeds , United Kingdom)   8:45 - 9:00 - A place for probiotics in critical care?  Paul Wischmeyer (Aurora , United States)   9:00 - 9:15 - Discussion   9:15 - 9:30 - Hospital-acquired pneumonia Richard Wunderink (Chicago , United States)   9:30 - 9:45 - Prevention of catheter-related infections  Jean-François Timsit (Paris, France)   9:45 - 10:00 - Adenovirus infections François Simon (Paris, France)   10:00 - 10:15 - An algorithm to treat healthcare-associated pneumonia in the ICU  Michael S Niederman (Mineola , United States)   10:15 - 10:30 - Discussion   10:30 - 10:45 - Break   **The future of CPR** [Standard presentation]  10:45 - 11:00 - Stutter CPR  Paul E Pepe (Dallas , United States)   11:00 - 11:15 - Hydrogen sulfide as a life-saver  Fumito Ichinose (Charlestown , United States)   11:15 - 11:30 - Post-cardiac arrest care: Future roads  Niklas Nielsen (Helsingborg, Sweden)   11:30 - 11:45 - Discussion   **Nutritional support (TU)** [Tutorial]  11:45 - 12:15 - Nutritional support  Daren K Heyland (Kingston , Canada) |
| **Thursday 20 March 2014 - PM** |
| **ROOM : 100 Hall**  **Rapid response systems** [Standard presentation]  13:45 - 14:00 - Automated triggering?  Jyrki Tenhunen (Uppsala, Sweden)   14:00 - 14:15 - Routine lab test to identify at risk patients Rinaldo Bellomo (Melbourne, Australia)   14:15 - 14:30 - The nurses are the best trigger  Arthur Van Zanten (Ede , Netherlands)   14:30 - 14:45 - An electronic early warning system to improve outcomes in hospitalized patients Marin Kollef (St Louis , United States)   14:45 - 15:00 - Discussion   15:00 - 15:15 - A new Australian study  David Gattas (Sydney , Australia)   15:15 - 15:30 - Rescue of medically deteriorating patients Naeem Ali (Columbus , United States)   15:30 - 15:45 - Proactive systems: How to implement the next generation? Edgar Jimenez (Orlando , United States)   15:45 - 16:00 - Implementing a rapid response system in your hospital Ken Hillman (Liverpool , Australia)   16:00 - 16:15 - Discussion   16:15 - 16:30 - Break   **After cardiac arrest** [Standard presentation]  16:30 - 16:45 - Immediate coronary angiography after all cardiac arrests?: Yes  Giuseppe Biondi-Zoccai (Rome, Italy)   16:45 - 17:00 - Immediate coronary angiography after all cardiac arrests?: No  Kjetil Sunde (Oslo , Norway)   17:00 - 17:15 - Respiratory care: What are the targets?  Niklas Nielsen (Helsingborg, Sweden)   17:15 - 17:30 - Oxygen and carbon dioxide management following cardiac arrest Paul Young (Wellington, New Zealand)   17:30 - 17:45 - New therapeutic measures to improve organ function Stephen Trzeciak (Camden , United States)   17:45 - 18:00 - Discussion |
| **Thursday 20 March 2014 - AM** |
| **ROOM : 400 Hall**  **Coagulopathies** [Standard presentation]  8:00 - 8:15 - Update on HIT Jerrold H Levy (Durham, United States)   8:15 - 8:30 - Utility of TEG/ROTEM to detect hypercoagulability in ICU patients  Nicole Juffermans (Amsterdam , Netherlands)   8:30 - 8:45 - von Willebrand factor in critical care Beverley Hunt (London , United Kingdom)   8:45 - 9:00 - Discussion   9:00 - 9:15 - In sepsis  Tom van der Poll (Amsterdam , Netherlands)   9:15 - 9:30 - In liver disease  Julia Wendon (London , United Kingdom)   9:30 - 9:45 - A place for fresh frozen plasma in the non-bleeding patient Janice L. Zimmerman (Houston , United States)   9:45 - 10:00 - Is it necessary to correct coagulopathy prior to an invasive procedure? Nicole Juffermans (Amsterdam , Netherlands)   10:00 - 10:15 - Discussion   10:15 - 10:35 - Break   **The injured kidney** [Standard presentation]  10:35 - 10:50 - The renal microcirculation in sepsis  Can Ince (Amsterdam , Netherlands)   10:50 - 11:05 - A role for adenosine receptor agonists and antagonists?  Patrick Honoré (Brussels , Belgium)   11:05 - 11:20 - How the kidneys recover  Miet Schetz (Leuven , Belgium)   11:20 - 11:35 - Discussion   **Is plateau pressure able to guide ventilation in ARDS?** [Pro-con debate]  11:35 - 12:15 - Is plateau pressure able to guide ventilation in ARDS?  **PRO** John J Marini (St Paul , United States)  **CON** Marco Ranieri (Turin , Italy) |
| **Thursday 20 March 2014 - PM** |
| **ROOM : 400 Hall**  **Antimicrobial strategies** [Standard presentation]  13:45 - 14:00 - Death by antibiotic Richard Wunderink (Chicago , United States)   14:00 - 14:15 - A review of recent anti-Gram-positive drugs  Robert Masterton (Ayrshire, United Kingdom)   14:15 - 14:30 - A recent review of anti-Gram negative drugs  Mark Wilcox (Leeds , United Kingdom)   14:30 - 14:45 - Optimizing therapy with beta-lactam antibiotics  Jan De Waele (Ghent , Belgium)   14:45 - 15:00 - Discussion   15:00 - 15:15 - Have we outsmarted ourselves with PK/PD optimization Richard Wunderink (Chicago , United States)   15:15 - 15:30 - Brain toxicity of beta-lactams  Fabio S Taccone (Brussels , Belgium)   15:30 - 15:45 - Combination antibiotic therapy  Thierry Calandra (Lausanne , Switzerland)   15:45 - 16:00 - Mono versus bi-therapy in Pseudomonas infections Jean Chastre (Paris , France)   16:00 - 16:15 - Discussion   16:15 - 16:30 - Choice guided by rapid tests Patel Robin (Rochester, United States)   16:30 - 16:45 - De-escalation of antibiotic treatment for all Claude Martin (Marseille , France)   16:45 - 17:00 - De-escalation is not always possible  Jan De Waele (Ghent , Belgium)   17:00 - 17:15 - Duration of antibiotic therapy  Jean-François Timsit (Paris, France)   17:15 - 17:30 - Discussion   **Metabolic acidosis - an idiots guide (TU)** [Tutorial]  17:30 - 18:00 - Metabolic acidosis: An idiots guide  Monty G Mythen (London , United Kingdom) |
| **Thursday 20 March 2014 - AM** |
| **ROOM : Lippens Room National Library**  **After the ICU** [Standard presentation]  8:00 - 8:15 - Continuity of care in critical care  Naeem Ali (Columbus , United States)   8:15 - 8:30 - Burden of chronic critical illness Stephen Trzeciak (Camden , United States)   8:30 - 8:45 - Long term sequelae of sepsis Derek C Angus (Pittsburgh , United States)   8:45 - 9:00 - Discussion   9:00 - 9:15 - MRI findings after severe ARDS Michael Quintel (Göttingen , Germany)   9:15 - 9:30 - Outcomes of the very elderly Daren K Heyland (Kingston , Canada)   9:30 - 9:45 - Recovery from cachexia: Can we learn from athletes? Paul Wischmeyer (Aurora , United States)   9:45 - 10:00 - Obesity is an advantage Peter Pickkers (Nijmegen , Netherlands)   10:00 - 10:15 - Discussion   10:15 - 10:30 - The Chelsea Critical Care Physical Assessment tool (CPAx) to measure functional recovery Evelyn Corner (London, United Kingdom)   10:30 - 10:45 - Acquired dementia following ICU stay  E Wesley Ely (Nashville , United States)   10:45 - 11:00 - Long-term outcomes: How is it fixable? Gordon Rubenfeld (Toronto , Canada)   11:00 - 11:10 - Discussion   **Only large scale RCTs can tell what treatments work?** [Pro-con debate]  11:10 - 11:40 - Only large scale RCTs can tell which treatments work?  **PRO** Simon Finfer (Sydney , Australia)  **CON** John J Marini (St Paul , United States)  **MAYBE** Derek C Angus (Pittsburgh , United States)   **Should we apply the SSC guidelines for hemodynamic resuscitation in septic shock?** [Pro-con debate]  11:45 - 12:15 - Should we apply the SSC guidelines for hemodynamic resuscitation in septic shock?  **PRO** Mitchell Levy (Providence , United States)  **CON** Jean-Louis Teboul (Le Kremlin-Bicêtre , France)  **MAYBE** Greg S Martin (Atlanta , United States) |
| **Thursday 20 March 2014 - PM** |
| **ROOM : Lippens Room National Library**  **VAP** [Standard presentation]  13:45 - 14:00 - Are ventilator-associated events different from VAP? Yes Robert M Kacmarek (Boston , United States)   14:00 - 14:15 - Are ventilator-associated events different from VAP? No Clifford S Deutschman (Philadelphia , United States)   14:15 - 14:30 - Update on VAP management  Michael S Niederman (Mineola , United States)   14:30 - 14:45 - VAP as a source of antimicrobial overuse  Jean Chastre (Paris , France)   14:45 - 15:00 - Discussion   15:00 - 15:15 - Inhaled antibiotics for VAP: The next major breakthrough?  Marin Kollef (St Louis , United States)   15:15 - 15:30 - Maybe not  Tobias Welte (Hannover , Germany)   15:30 - 15:45 - Is it time to develop new guidelines?  Antoni Torres (Barcelona , Spain)   15:45 - 16:00 - Discussion   16:00 - 16:20 - Break   **Drugs of abuse (TU)** [Tutorial]  16:20 - 16:55 - Drugs of abuse  Janice L. Zimmerman (Houston , United States)   **Decompensated COPD (TU)** [Tutorial]  16:55 - 17:25 - Decompensated COPD  Tobias Welte (Hannover , Germany)   **Prevention of pulmonary postoperative complications (TU)** [Tutorial]  17:25 - 18:00 - Prevention of pulmonary postoperative complications Samir Jaber (Montpellier , France) |
| **Thursday 20 March 2014 - AM** |
| **ROOM : Studio (Bozar)**  **Delirium** [Standard presentation]  8:00 - 8:15 - Prevention Stephan A Mayer (New York , United States)   8:15 - 8:30 - Prediction Peter Pickkers (Nijmegen , Netherlands)   8:30 - 8:45 - Long-term outcomes  E Wesley Ely (Nashville , United States)   8:45 - 9:00 - Discussion   **Extracorporeal lung support (TU)** [Tutorial]  9:00 - 9:30 - Extracorporeal lung support  Michael Quintel (Göttingen , Germany)   **Functional hemodynamic monitoring (TU)** [Tutorial]  9:35 - 10:05 - Functional hemodynamic monitoring  Michael Pinsky (Pittsburgh , United States)   **Delirium** [Standard presentation]  10:05 - 10:15 - Break   **How to improve ICU quality** [Standard presentation]  10:15 - 10:30 - How to select your computer-information management systel Jean-Daniel Chiche (Paris , France)   10:30 - 10:45 - A user s guide to quality metrics Theodore J Iwashyna (Ann Arbor, United States)   10:45 - 11:00 - Improving quality through benchmarking Leo Anthony Celi (Cambridge, United States)   11:00 - 11:15 - Discussion   11:15 - 11:30 - Is readmission to the ICU a good quality measure? Jeremy M Kahn (Pittsburgh , United States)   11:30 - 11:45 - Regionalization of care  Mitchell Levy (Providence , United States)   11:45 - 12:00 - How structure, process and organization impact ICU outcomes Greg S Martin (Atlanta , United States)   12:00 - 12:15 - Discussion |
| **Thursday 20 March 2014 - PM** |
| **ROOM : Studio (Bozar)**  **Neuromonitoring** [Standard presentation]  13:45 - 14:00 - Inside the black box: Brain multimodality monitoring Stephan A Mayer (New York , United States)   14:00 - 14:15 - Brain oxygen and metabolism in neurocritical care  Peter Le Roux (Wynnewood, United States)   14:15 - 14:30 - Hemodynamic monitoring  Fabio S Taccone (Brussels , Belgium)   14:30 - 14:45 - Discussion   14:45 - 15:00 - Spreading depolarizations  Raimund Helbok (Innsbruck , Austria)   15:00 - 15:15 - Can we reach a consensus? Giuseppe Citerio (Monza , Italy)   15:15 - 15:25 - Discussion   15:25 - 15:40 - Break   **Neurological challenges** [Standard presentation]  15:40 - 15:55 - Autoimmune encephalitis  Raimund Helbok (Innsbruck , Austria)   15:55 - 16:10 - Refractory status epilepticus  Stephan A Mayer (New York , United States)   16:10 - 16:25 - Neurogenic pulmonary edema  Lakhmir Chawla (Washington , United States)   16:25 - 16:40 - Septic encephalopathy  Fabio S Taccone (Brussels , Belgium)   16:40 - 16:55 - Discussion   **Metabolic conundrums (TU)** [Tutorial]  16:55 - 17:25 - Metabolic conundrums  Mervyn Singer (London , United Kingdom)   **Perioperative hemodynamic monitoring and optimization (TU)** [Tutorial]  17:30 - 18:00 - Perioperative hemodynamic monitoring and optimization Mikhail Kirov (Arkhangelsk , Russia) |
| **Thursday 20 March 2014 - AM** |
| **ROOM : Arc Room**  **The various modes of mechanical ventilation (TU)** [Tutorial]  8:00 - 8:35 - The various modes of mechanical ventilation  Robert Chatburn (Cleveland, United States)   **Multidrug resistant bacteria (TU)** [Tutorial]  8:40 - 9:15 - Multidrug resistant bacteria  Robert Bonomo (Cleveland, United States)   **Protein metabolism (TU)** [Tutorial]  9:20 - 9:55 - Protein metabolism  Jan Wernerman (Stockholm , Sweden)   **Acute myocardial infarction (TU)** [Tutorial]  10:00 - 10:35 - Acute myocardial infarction  Martin Möckel (Berlin, Germany)   **Traumatic brain injury (TU)** [Tutorial]  10:40 - 11:15 - Traumatic brain injury Giuseppe Citerio (Monza , Italy)   **Subarachnoid hemorrhage (TU)** [Tutorial]  11:20 - 11:55 - Subarachnoid hemorrhage  Paul Vespa (Los Angeles , United States) |
| **Thursday 20 March 2014 - PM** |
| **ROOM : Arc Room**  **ICU staffing** [Standard presentation]  13:45 - 14:00 - Impact of ICU staffing and organization on outcomes Derek C Angus (Pittsburgh , United States)   14:00 - 14:15 - Do nighttime intensivists make a difference? Mitchell Levy (Providence , United States)   14:15 - 14:30 - Will we all hire advance practice providers in the ICU? Jeremy M Kahn (Pittsburgh , United States)   14:30 - 14:45 - Discussion   14:45 - 15:00 - ICU telemedicine: Panacea or placebo?  Jeremy M Kahn (Pittsburgh , United States)   15:00 - 15:15 - Many strategies for cost containment are not cost saving Gordon Rubenfeld (Toronto , Canada)   15:15 - 15:25 - Discussion   15:25 - 15:40 - Break   **Improving rounds in the ICU** [Standard presentation]  15:40 - 15:55 - How to cope with moral distress in the team  Janice L. Zimmerman (Houston , United States)   15:55 - 16:10 - The 10 rules of successful rounds JL Vincent Jean-Louis Vincent (Brussels , Belgium)   16:10 - 16:25 - Inviting the family to join ICU rounds: Folly or the future? Taylor Thompson (Boston , United States)   16:25 - 16:40 - Discussion   16:40 - 16:55 - Interruptions during ward rounds: Necessary evil or a nuisance Balasubramanian Venkatesh (Brisbane , Australia)   16:55 - 17:10 - Rounds by telemedicine?  Paul Vespa (Los Angeles , United States)   17:10 - 17:25 - Discussion   **ICU admission of cirrhotic patients is futile** [Pro-con debate]  17:25 - 18:00 - ICU admission of cirrhotic patients is futile  **PRO** Pierre-François Laterre (Brussels , Belgium)  **CON** Julia Wendon (London , United Kingdom) |
| **Friday 21 March 2014 - AM** |
| **ROOM : Gold Hall**  **PEEP titration** [Standard presentation]  8:00 - 8:15 - Which is the best PEEP trial? Davide Chiumello (Milan , Italy)   8:15 - 8:30 - PEEP protects the lung by decreasing tidal volume  Luciano Gattinoni (Milan , Italy)   8:30 - 8:45 - Balancing competing goals in setting PEEP  Neil R MacIntyre (Durham , United States)   8:45 - 9:00 - Using transpulmonary pressures to adjust PEEP in ARDS  Edgar Jimenez (Orlando , United States)   9:00 - 9:15 - Discussion   9:15 - 9:30 - EIT is able to apply the  Diederik Gommers (Rotterdam , Netherlands)   9:30 - 9:45 - Don´t forget the hemodynamic effects  Antoine Vieillard-Baron (Boulogne-Billancourt , France)   9:45 - 10:00 - Role of dead space, the forgotten physiological measurement  Fernando Suarez Sipmann (Uppsala, Sweden)   10:00 - 10:15 - Discussion   10:15 - 10:35 - Break   **ARDS: Prevention rather than cure** [Standard presentation]  10:35 - 10:50 - ARDS can be largely prevented Ognjen Gajic (Rochester , United States)   10:50 - 11:05 - How can we prevent it? Gavin Perkins (Warwick , United Kingdom)   11:05 - 11:20 - The first week is crucial Andres Esteban (Madrid , Spain)   11:20 - 11:35 - The ARDS Network evolves to prevention Taylor Thompson (Boston , United States)   11:35 - 11:50 - Discussion   **Mechanical ventilation in ARDS (TU)** [Tutorial]  11:50 - 12:25 - Mechanical ventilation in ARDS Dimitris Georgopoulos (Heraklion , Greece) |
| **Friday 21 March 2014 - PM** |
| **ROOM : Gold Hall**  **Transfusion** [Standard presentation]  13:30 - 13:45 - Non-bleeding causes of anemia  Peter Pickkers (Nijmegen , Netherlands)   13:45 - 14:00 - Patient blood management: A clinical trial  Kai Zacharowski (Frankfurt , Germany)   14:00 - 14:15 - Review of transfusion triggers in the critically ill  Lauralyn McIntyre (Ottawa , Canada)   14:15 - 14:30 - Discussion   14:30 - 14:45 - The beneficial effects of blood transfusions  Can Ince (Amsterdam , Netherlands)   14:45 - 15:00 - 7 g/dL threshold for all?  Yasser Sakr (Jena , Germany)   15:00 - 15:15 - 10 g/dL threshold for some  Marek Mirski (Baltimore , United States)   15:15 - 15:30 - Discussion   15:30 - 15:45 - Triggers in neurocritical care  Peter Le Roux (Wynnewood, United States)   15:45 - 16:00 - Triggers in coronary artery disease  Philippe Van Der Linden (Brussels , Belgium)   16:00 - 16:15 - Triggers in septic shock  Anders Perner (Copenhagen , Denmark)   16:15 - 16:30 - ScvO2 and CO2-gap as triggers Zsolt Molnar (Szeged , Hungary)   16:30 - 16:45 - Does age of blood matter?  Lauralyn McIntyre (Ottawa , Canada)   16:45 - 17:00 - Discussion |
| **Friday 21 March 2014 - AM** |
| **ROOM : Copper Hall**  **Neurologic emergencies** [Standard presentation]  8:00 - 8:15 - Mannitol vs hypertonic saline for cerebral edema  Marek Mirski (Baltimore , United States)   8:15 - 8:30 - Call the neurosurgeon now Peter Le Roux (Wynnewood, United States)   8:30 - 8:45 - Endovascular therapy for stroke  Stephan A Mayer (New York , United States)   8:45 - 9:00 - Status epilepticus Mauro Oddo (Lausanne , Switzerland)   9:00 - 9:15 - Discussion   9:15 - 9:35 - Break   **Therapeutic hypothermia** [Standard presentation]  9:35 - 9:50 - Host response  Nicole Juffermans (Amsterdam , Netherlands)   9:50 - 10:05 - Metabolic effects  Arthur Van Zanten (Ede , Netherlands)   10:05 - 10:20 - Temperature management in trauma: Warm, cool, or inbetween?  Michael Reade (Herston QLD, Australia)   10:20 - 10:35 - Discussion   10:35 - 10:50 - Brain cooling: Challenges and potential rewards  Peter Andrews (Edinburgh , United Kingdom)   10:50 - 11:05 - Pitfalls of rewarming  Janice L. Zimmerman (Houston , United States)   11:05 - 11:15 - Discussion   **Ultrasound for intensivists (TU)** [Tutorial]  11:15 - 11:50 - Ultrasound for intensivists Eric Maury (Paris , France)   **My tips and tricks for enteral nutrition (RT)** [Round table]  **Moderator :** Michael Hiesmayr (Vienna , Austria)  11:50 - 12:35 - My tips and tricks for enteral nutrition Jean-Charles Preiser (Brussels , Belgium), Jean Reignier (La Roche Sur Yon Cedex 9 , France), Adam Deane (Adelaide , Australia), Stephen McClave (Louisville, United States), Paul Wischmeyer (Aurora , United States) |
| **Friday 21 March 2014 - PM** |
| **ROOM : Copper Hall**  **CPAP and NIV: Practical considerations** [Standard presentation]  13:30 - 13:45 - NIV outside the ICU  Paolo Navalesi (Novara , Italy)   13:45 - 14:00 - Non-invasive CPAP outside the ICU  Paolo Pelosi (Genoa , Italy)   14:00 - 14:15 - Role of the upper airways in the success of NIV  Leo Heunks (Nijmegen , Netherlands)   14:15 - 14:30 - Leak compensation: Invasive versus non-invasive ventilators  Robert M Kacmarek (Boston , United States)   14:30 - 14:45 - Discussion   14:45 - 15:00 - Applying NIV by NAVA: Why, when and how  Paolo Navalesi (Novara , Italy)   15:00 - 15:15 - What to do when NIV fails in a COPD  Christian Karagiannidis (Köln, Germany)   15:15 - 15:30 - When is the right time to intubate?  Andres Esteban (Madrid , Spain)   15:30 - 15:45 - Unless we have a do-not-intubate order?  Elie Azoulay (Paris , France)   15:45 - 16:00 - Discussion |
| **Friday 21 March 2014 - AM** |
| **ROOM : Salle M (Bozar)**  **High risk surgery** [Standard presentation]  8:00 - 8:15 - How big is the problem? Berthold Bein (Kiel , Germany)   8:15 - 8:30 - Enhanced recovery after surgery Monty G Mythen (London , United Kingdom)   8:30 - 8:45 - Intraoperative risk assessment Stefan De Hert (Ghent , Belgium)   8:45 - 9:00 - Discussion   9:00 - 9:15 - Prevention of perioperative aspiration Jan Poelaert (Brussels , Belgium)   9:15 - 9:30 - Ventilator management during surgery Paolo Pelosi (Genoa , Italy)   9:30 - 9:45 - Ventilatory management of the obese perioperative patient Samir Jaber (Montpellier , France)   9:45 - 10:00 - Discussion   10:00 - 10:15 - Postoperative respiratory depression can be harmful Michael Ramsay (Dallas , United States)   10:15 - 10:30 - Improving outcomes for emergency laparotomy Nial Quiney (Guildford , United Kingdom)   10:30 - 10:45 - Preventing renal failure after cardiac surgery Alain Combes (Paris , France)   10:45 - 11:00 - Discussion   11:00 - 11:15 - Detecting complications outside the ICU  Andreas Hoeft (Bonn , Germany)   11:15 - 11:30 - Long-term effects of postoperative complications Maurizio Cecconi (London , United Kingdom)   11:30 - 11:45 - Discussion   **Statistics for dummies (TU)** [Tutorial]  11:45 - 12:20 - Statistics for dummies  Dominique Benoit (Ghent , Belgium) |
| **Friday 21 March 2014 - AM** |
| **ROOM : Tent**  **CPR** [Standard presentation]  8:00 - 8:15 - No ventilation CPR Paul E Pepe (Dallas , United States)   8:15 - 8:30 - Is it worthwhile attempting CPR in traumatic cardiac arrest? Michael Reade (Herston QLD, Australia)   8:30 - 8:45 - Update on mechanical chest compression devices Kjetil Sunde (Oslo , Norway)   8:45 - 9:00 - Discussion   9:00 - 9:15 - Impedance threshold devices for CPR: Fact or fiction? Giuseppe Biondi-Zoccai (Rome, Italy)   9:15 - 9:30 - Ventilation during CPR Laurent Brochard (Toronto, Canada)   9:30 - 9:45 - What we know about defibrillation today Lars Wik (Oslo, Norway)   9:45 - 10:00 - Discussion   10:00 - 10:15 - Should we still use epinephrine? Jerry Nolan (Bath , United Kingdom)   10:15 - 10:30 - Percutaneous circulatory support in CPR Michael Fries (Aachen , Germany)   10:30 - 10:45 - Should we rescue out-of-hospital cardiac arrest with ECMO? Alain Combes (Paris , France)   10:45 - 11:00 - Discussion   11:00 - 11:15 - Improving quality through feedback and debriefing Gavin Perkins (Warwick , United Kingdom)   11:15 - 11:30 - The fifth link in the “Chain of Survival” concept Takashi Tagami (Tokyo, Japan)   11:30 - 11:45 - Is there a role for ‘cardiac arrest centers’? Jerry Nolan (Bath , United Kingdom)   11:45 - 12:00 - Discussion   **Antimicrobial therapy of VAP (TU)** [Tutorial]  12:00 - 12:35 - Antimicrobial therapy of VAP  Jean Chastre (Paris , France) |
| **Friday 21 March 2014 - PM** |
| **ROOM : Tent**  **Veno-venous ECMO: Nuts and boldts** [Standard presentation]  13:30 - 13:45 - Which kind of cannulation?  Alain Combes (Paris , France)   13:45 - 14:00 - Patient-ventilator interactions  Antonio Pesenti (Milan , Italy)   14:00 - 14:15 - How to improve oxygenation during ECMO  Bruno Levy (Vandoeuvre Les Nancy , France)   14:15 - 14:30 - Full blown high-flow ECMO: When and how  Michael Quintel (Göttingen , Germany)   14:30 - 14:45 - Discussion   14:45 - 15:00 - Awake ECMO: Indications and limitations  Tobias Welte (Hannover , Germany)   15:00 - 15:15 - Infections related to ECMO: How to recognize and treat  Alain Combes (Paris , France)   15:15 - 15:30 - Pharmacokinetics during ECMO  Fabio S Taccone (Brussels , Belgium)   15:30 - 15:45 - Should it be used only in reference centers?  Laurent Papazian (Marseille , France)   15:45 - 16:00 - Discussion |
| **Friday 21 March 2014 - AM** |
| **ROOM : Silver Hall**  **Adjunct therapies in sepsis** [Standard presentation]  8:00 - 8:15 - Should fever be treated? Paul Young (Wellington, New Zealand)   8:15 - 8:30 - Immunoglobulins Axel Nierhaus (Hamburg , Germany)   8:30 - 8:45 - IgM with IgG? Figen Esen (Istanbul , Turkey)   8:45 - 9:00 - Discussion   9:00 - 9:15 - Statins Laurent Papazian (Marseille , France)   9:15 - 9:30 - Beta-blockade Djillali Annane (Garches , France)   9:30 - 9:45 - Levosimendan is my favorite drug Andrea Morelli (Rome , Italy)   9:45 - 10:00 - Antithrombin  Christian J Wiedermann (Bolzano , Italy)   10:00 - 10:15 - Discussion   10:15 - 10:40 - Break   **Blood lactate in 2014** [Standard presentation]  10:40 - 10:55 - A review of its metabolism in shock states Bruno Levy (Vandoeuvre Les Nancy , France)   10:55 - 11:10 - Lactate has a beneficial role Antonio Pesenti (Milan , Italy)   11:10 - 11:25 - Time course of lactate in hemorrhagic shock Paul E Pepe (Dallas , United States)   11:25 - 11:40 - Discussion   11:40 - 11:55 - Time course of lactate in septic shock Jan Bakker (Rotterdam , Netherlands)   11:55 - 12:10 - Blood lactate as a resuscitation target Gernot Marx (Aachen , Germany)   12:10 - 12:25 - Discussion |
| **Friday 21 March 2014 - PM** |
| **ROOM : Silver Hall**  **Empiric antimicrobial therapy** [Standard presentation]  13:30 - 13:45 - Empiric therapy Marin Kollef (St Louis , United States)   13:45 - 14:00 - Mono- or biotherapy Thierry Calandra (Lausanne , Switzerland)   14:00 - 14:15 - Therapy of severe CAP Michael S Niederman (Mineola , United States)   14:15 - 14:30 - Discussion   14:30 - 14:45 - The special case of pneumococcal CAP Jean-Paul Mira (Paris , France)   14:45 - 15:00 - Therapy of VAP Richard Wunderink (Chicago , United States)   15:00 - 15:15 - Should patients with septic shock be treated empirically with antifungals? Markus Ruhnke (Berlin , Germany)   15:15 - 15:30 - Discussion |
| **Friday 21 March 2014 - AM** |
| **ROOM : 100 Hall**  **Intensive care around the globe** [Standard presentation]  **Moderator :** Anthony McLean (Sydney , Australia)  8:00 - 8:15 - A tale of 7 cities Derek C Angus (Pittsburgh , United States)   8:15 - 8:30 - Intensive care in Asia Charles Gomersall (Shatin , Hong Kong)   8:30 - 8:45 - Implementing cheap but effective ICUs in lower income countries Marcus Schultz (Amsterdam , Netherlands)   8:45 - 9:00 - Discussion   9:00 - 9:15 - Critical care is very cost-effective in developing countries  Ognjen Gajic (Rochester , United States)   9:15 - 9:30 - The global burden of sepsis  Konrad Reinhart (Jena , Germany)   9:30 - 9:45 - Sepsis internationally: I am IMPRESSed  Mitchell Levy (Providence , United States)   9:45 - 10:00 - Discussion   10:00 - 10:15 - Surviving sepsis in resource limited environments Niranjan (Tex) Kissoon (Vancouver , Canada)   10:15 - 10:30 - There are disparities in critical care in each country Kenneth Christopher (Boston, United States)   10:30 - 10:45 - Workforce issues in intensive care: A global perspective Balasubramanian Venkatesh (Brisbane , Australia)   10:45 - 11:00 - Discussion   **Severe heart failure** [Standard presentation]  11:00 - 11:15 - Optimal vasopressor use  Bruno Levy (Vandoeuvre Les Nancy , France)   11:15 - 11:30 - Still a place for balloon pump? Karl Werdan (Halle , Germany)   11:30 - 11:45 - Routine use of ultrafiltration? Amir Kazory (Gainesville, United States)   11:45 - 12:00 - Discussion   12:00 - 12:15 - High volume hemofiltration is HEROIC Alain Combes (Paris , France)   12:15 - 12:30 - Diastolic dysfunction: What to do about it? Jan Poelaert (Brussels , Belgium)   12:30 - 12:45 - Discussion |
| **Friday 21 March 2014 - PM** |
| **ROOM : 100 Hall**  **Traumatic brain injury** [Standard presentation]  13:30 - 13:45 - Oxygen therapy and ventilator management  Peter Andrews (Edinburgh , United Kingdom)   13:45 - 14:00 - Fever control  Paul Young (Wellington, New Zealand)   14:00 - 14:15 - Imaging Paul Vespa (Los Angeles , United States)   14:15 - 14:30 - Neuromonitoring Peter Le Roux (Wynnewood, United States)   14:30 - 14:45 - Discussion   14:45 - 15:00 - Raised ICP - a thing of the past?  Peter Andrews (Edinburgh , United Kingdom)   15:00 - 15:15 - Intracranial hypertension can be largely prevented  Geert Meyfroidt (Leuven , Belgium)   15:15 - 15:30 - When is aggressive therapy required?  Nino Stocchetti (Milan , Italy)   15:30 - 15:45 - Time is critical  Marek Mirski (Baltimore , United States)   15:45 - 16:00 - Discussion |
| **Friday 21 March 2014 - AM** |
| **ROOM : 400 Hall**  **Enteral nutrition** [Standard presentation]  8:00 - 8:15 - Swallowing disorders: A treatable risk factor  Michael Hiesmayr (Vienna , Austria)   8:15 - 8:30 - Early enteral nutrition: Does the route matter?  Stephen McClave (Louisville, United States)   8:30 - 8:45 - Feeding in the jejunum is better than in the stomach  Paul Van Leeuwen (Amsterdam , Netherlands)   8:45 - 9:00 - Discussion   9:00 - 9:15 - Intragastric versus small intestinal delivery  Adam Deane (Adelaide , Australia)   9:15 - 9:30 - Importance of high-protein enteral nutrition Arthur Van Zanten (Ede , Netherlands)   9:30 - 9:45 - Discussion   **Energy requirements: How early and how much?** [Standard presentation]  9:45 - 10:00 - Calculating energy needs in critically ill patients: Sense or nonsense?  Herbert Spapen (Brussels , Belgium)   10:00 - 10:15 - Should we use indirect calorimetry in the ICU  Stephen McClave (Louisville, United States)   10:15 - 10:30 - How to define caloric needs  Jean-Charles Preiser (Brussels , Belgium)   10:30 - 10:45 - Discussion   10:45 - 11:00 - Break |
| **Friday 21 March 2014 - PM** |
| **ROOM : 400 Hall**  **Preventing renal failure** [Standard presentation]  13:30 - 13:45 - Protection of renal function in the ICU  Michael Joannidis (Innsbruck , Austria)   13:45 - 14:00 - How to improve renal perfusion, filtration and oxygenation  Sven-Erik Ricksten (Gothenburg, Sweden)   14:00 - 14:15 - Biomarkers to define the pathophysiology  Michael Joannidis (Innsbruck , Austria)   14:15 - 14:30 - Validation of a risk score  Ravindra Mehta (San Diego , United States)   14:30 - 14:45 - Discussion   14:45 - 15:00 - In high-risk surgical patients  Yahya Shehabi (Randwick, Australia)   15:00 - 15:15 - Fenoldopam in renal protection  Giovanni Landoni (Milan, Italy)   15:15 - 15:30 - Contrast induced nephropathy: Does anything work?  Claudio Ronco (Vicenza , Italy)   15:30 - 15:45 - My checklist  Eric Hoste (Ghent , Belgium)   15:45 - 16:00 - Discussion |
| **Friday 21 March 2014 - AM** |
| **ROOM : Lippens Room National Library**  **Liver failure** [Standard presentation]  8:00 - 8:15 - Acute liver failure: Syndromes and management  Julia Wendon (London , United Kingdom)   8:15 - 8:30 - Acute-on-chronic  Pere Ginès (Barcelona, Spain)   8:30 - 8:45 - Perioperative management  Michael Ramsay (Dallas , United States)   8:45 - 9:00 - Discussion   9:00 - 9:15 - Feeding the cirrhotic patient  Pierre-François Laterre (Brussels , Belgium)   9:15 - 9:30 - Renal failure in cirrhosis  Paolo Angeli (Padova , Italy)   9:30 - 9:45 - Liver dialysis: Quo vadis?  Alexander Wilmer (Leuven , Belgium)   9:45 - 10:00 - Discussion   **Weaning** [Standard presentation]  10:00 - 10:15 - Weaning - art or science?  Georg-Christian Funk (Vienna , Austria)   10:15 - 10:30 - Failure of cardiac origin  Xavier Monnet (Le Kremlin-Bicêtre , France)   10:30 - 10:45 - Failure from muscle weakness  Andres Esteban (Madrid , Spain)   10:45 - 11:00 - NIV as a tool  Gavin Perkins (Warwick , United Kingdom)   11:00 - 11:15 - Discussion   11:15 - 11:30 - Weaning and extubation in obese patients  Samir Jaber (Montpellier , France)   11:30 - 11:45 - Closed loop weaning Charles Gomersall (Shatin , Hong Kong)   11:45 - 12:00 - Do we need dedicated weaning centers?  Jeremy M Kahn (Pittsburgh , United States)   12:00 - 12:15 - Have we made progress? Andres Esteban (Madrid , Spain)   12:15 - 12:30 - Discussion |
| **Friday 21 March 2014 - AM** |
| **ROOM : Studio (Bozar)**  **VAP: Preventive measures** [Standard presentation]  8:00 - 8:15 - Mod Tommaso Mauri (Monza , Italy)   8:15 - 8:30 - How much is preventable?  Marin Kollef (St Louis , United States)   8:30 - 8:45 - Prevention by oral care  Stijn Blot (Ghent , Belgium)   8:45 - 9:00 - Mucus flow and physiotherapy  Antoni Torres (Barcelona , Spain)   9:00 - 9:15 - Discussion   **Respiratory monitoring** [Standard presentation]  9:15 - 9:30 - Lung imaging in ARDS  Davide Chiumello (Milan , Italy)   9:30 - 9:45 - Electrical impedance tomography Jean-Michel Constantin (Clermont-Ferrand , France)   9:45 - 10:00 - Detection of pulmonary edema at the bedside Daniel Reuter (Hamburg , Germany)   10:00 - 10:15 - Chest X rays are obsolete, you only need echo  Paul H Mayo (New York , United States)   10:15 - 10:30 - Discussion   10:30 - 10:45 - Break   **Disasters** [Standard presentation]  10:45 - 11:00 - Ready for the next disaster?  Paul E Pepe (Dallas , United States)   11:00 - 11:15 - Wounds to expect after an explosion  Michael Reade (Herston QLD, Australia)   11:15 - 11:30 - Emergency mass critical care  Niranjan (Tex) Kissoon (Vancouver , Canada)   11:30 - 11:45 - ICU preparedness in mass casualty incidents  Edgar Jimenez (Orlando , United States)   11:45 - 12:00 - Discussion   **Plasmapheresis (TU)** [Tutorial]  12:00 - 12:35 - Plasmapheresis Bertrand Guidet (Paris , France) |