



## Long-term mortality in the European, randomised SUP-ICU trial

Marker, Søren; Krag, Mette; Perner, Anders; Wetterslev, Jørn; Lange, Theis; Wise, Matt P.; Borthwick, Mark; Bendel, Stepani; Keus, Frederik; Guttormsen, Anne Berit; Schefold, Joerg C.; Rasmussen, Bodil S.; Elkmann, Thomas; Bestle, Morten; Arenkiel, Bjørn; Laake, Jon H.; Kamper, Maj K.; Lang, Maarit; Pawlowicz-Dworzanska, Malgorzata B.; Karlsson, Sari; Liisanantti, Janne; Dey, Nilanjan; Knudsen, Heidi; Granholm, Anders; Møller, Morten Hylander

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# PATIENT CENTERED CARE PROGRAMME

THE 35<sup>TH</sup> CONGRESS OF THE  
SCANDINAVIAN SOCIETY OF ANAESTHESIOLOGY  
AND INTENSIVE CARE MEDICINE

COPENHAGEN AUGUST 28-30 2019



# WELCOME TO THE SSAI CONGRESS 2019

The theme of this congress is “Patient-centered care”. This is in line with one of the aims of the Scandinavian Society of Anaesthesiology and Intensive Care Medicine which is to promote safe, modern and effective care of our patients. The scientific programme covers a wide range of topics within anaesthesia and perioperative medicine, intensive care medicine, pain medicine, emergency critical care, and prehospital medicine. In addition, we have included sessions on non-technical skills, ethics, and education as these these aspects are critically important for our patients. For the first time, we have also a Nordic young anaesthesiologists’ session.

We are proud to have numerous prominent key note speakers, including the world famous John Ioannidis (Henning Ruben lecture), Kjetil Sunde (Acta lecture), Tanja Manser (Asmund Laerdal lecture), and the President of the World Federation of Societies of Anaesthesiologists, and Jannicke Mellin-Olsen (Husfeldt lecture).

Free papers will be presented orally at dedicated sessions in the lecture rooms and there are also moderated poster walks during lunch breaks. In this way, we wish to highlight the new research findings and promote interaction between the presenters, delegates and faculty.

The venue offers great opportunities for informal meetings and discussions but do not forget to spend some time in the city of Copenhagen. We are proud that our city has been chosen as the best city to visit 2019 by travelers at Lonely Planet. You will have to find out why, but we suggest that you explore the harbour area, the green oases, the restaurants, cafes, and food markets. We hope to see many of you at the welcome reception at the Copenhagen City Hall and at the Congress Dinner in the Tivoli Gardens.

## WE WISH YOU AN INFORMATIVE AND ENJOYABLE STAY AT THE SSAI 2019 CONGRESS

On behalf of the Organising Committee  
Lars S Rasmussen  
Congress President

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# COMMITTEES

## SSAI 2019 ORGANIZING COMMITTEE

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The organizing committee wishes to thank for many excellent suggestions for sessions, for extremely valuable advice from the organizers of the previous SSAI congresses, for the support from the industry and the SSAI Board, The Acta Anaesthesiologica Scandinavica Board, The Acta Foundation Board, The Laerdal Foundation, and DASAIM.



	TIVOLI CONGRESS HALL	CARSTENSEN
08.00-10.00	<b>REGISTRATION</b>	
10.00-11.00	<b>Opening – Keynote. Henning Ruben Lecture</b> <i>Chairs: Lars S Rasmussen and Morten Hylander</i> <b>Reducing waste in health care research</b> <i>John Ioannidis (US)</i>	
11.00-11.30	<b>BREAK</b>	
11.30-12.45	<b>Pertti Suominen honorary lectures in paediatric anaesthesia</b> <i>Chairs: Klaus Olkkola and Hanne Ravn</i> <b>Is there an age limit for anaesthesia and surgery for extreme premature infants?</b> <i>Per-Arne Lönnqvist (S) and Gorm Greisen (DK)</i> <b>Long-term outcome after anaesthesia and surgery in early life</b> <i>Tom G. Hansen (DK)</i>	<b>Airway management</b> <i>Chairs: Per Nelgård and Martin Kryspin Sørensen</i> <b>The patients' perspective</b> <i>J Adam Law (CA)</i> <b>New devices</b> <i>Michael Seltz Kristensen (DK)</i>
12.45-14.00	<b>LUNCH</b>	
14.00-15.15	<b>Abstracts: Cardiac Anaesthesia</b> <i>Moderators: Bodil Steen Rasmussen, Michael Haney</i>	<b>Abstracts: Pain</b> <i>Moderators: Maria Louise Fabritius, Luis Romundstad</i>
15.15-15.45	<b>COFFEE BREAK</b>	
15.45-17.00	<b>Research agenda and the patient perspective</b> <i>Chairs: Ole Mathiesen and Gisli Sigurdsson</i> <b>Bridging the knowledge gap: Peer review; pre or post?</b> – Open science; new tools, new biases – Knowledge dissemination in a web 2 age <i>Morten Hylander (DK), John Ioannidis (US) and Michael Haney (S)</i>	<b>Obstetric anaesthesia</b> <i>Chairs: Kim Ekelund and Merja Vakkala</i> <b>Airway management in pregnancy – is THRIVE the answer?</b> <i>Joanna Haynes (N)</i> <b>Pain relief during second stage of labour</b> <i>Johanna Sarvela (FIN)</i> <b>Top-up epidural for immediate c-section – success or failure?</b> <i>Elin Bjørnstad (N)</i>
17.30	<b>WELCOME RECEPTION COPENHAGEN CITY HALL</b>	

LUMBYE	VANDSALEN	PJERROT
<b>Postoperative pain and NSAID</b> <i>Chairs: Pia Jæger and Luis Romundstad</i> <b>When should we use NSAID in surgical patients?</b> <i>Vesa Kontinen (FIN)</i> <b>Benefit and harm of NSAID in hip surgery – the PANSALD trial</b> <i>Kasper Thybo (DK)</i> <b>Should NSAID be combined with paracetamol?</b> <i>Ole Mathiesen (DK)</i>		
<b>Industry symposium</b>		
<b>Resuscitation</b> <i>Chairs: Sven Erik Gisvold and Markus Skrifvars</i> <b>Prediction rule regarding outcome after out-of-hospital cardiac arrest</b> <i>Sigurbergur Karason (IS)</i> <b>Ethical aspects of resuscitation</b> <i>Hans Friberg (S)</i> <b>Long-term outcome after successful resuscitation</b> <i>Kristian Kragholm (DK)</i>		
<b>Abstracts: Intensive Care Medicine</b> <i>Moderators: Kirsten Møller, Dan Isbye</i>	<b>Abstracts: Critical Emergency Medicine</b> <i>Moderators: Søren Pischke, Sigga Kalman</i>	<b>Abstracts: Anaesthesia 1</b> <i>Moderators: Anne Berit Guttormsen, Jens Aage Kølsen Petersen</i>
<b>Multimodal pain relief</b> <i>Chairs: Jakob Hessel Andersen and Gunnar Bentsen</i> <b>Ketamine</b> <i>Vesa Kontinen (FIN)</i> <b>Gabapentinoids</b> <i>con: Maria Louise Fabritius (DK) pro: Audun Stubhaug (N)</i>	<b>Cardiac anaesthesia</b> <i>Chairs: Andrew Klein and Sigurbergur Karason</i> <b>Non-cardiac anaesthesia to the complex GUCH patients</b> <i>Guro Grindheim (N)</i> <b>Anaesthesia for high-risk cardiac patients</b> <i>Hanne Ravn (DK)</i>	<b>Postgraduate education from a Scandinavian perspective</b> <i>Chairs: Cecilia Escher and Doris Østergaard</i> <b>Continuous professional development</b> <i>Leila Niemi-Murola (FIN)</i> <b>How can we proceed despite national barriers?</b> <i>Lill Blomqvist (S)</i> <b>Chairman perspective: How to ensure updated anesthesiologists</b> <i>Siri Tau Ursin (N)</i> <b>Society perspective</b> <i>Joachim Hoffmann-Petersen (DK)</i> <b>Pros and Cons with CME system in US</b> <i>Martin Sigurdsson (IS)</i>

	TIVOLI CONGRESS HALL	CARSTENSEN
09.00-10.00	<b>Acta lecture</b> <i>Chairs: Michael Haney and Markus Skrifvars</i> <b>Termination of resuscitation</b> <i>Kjetil Sunde (N)</i>	
10.00-10.30	<b>BREAK</b>	
10.30-11.45	<b>Acta best abstract competition</b> <i>Chairs: Michael Haney and Christian Meyhoff</i>	<b>Extracorporeal cardiopulmonary resuscitation (eCPR)</b> <i>Chairs: Kristian Kragholm and Hanne Ravn</i> <b>The Danish experience</b> <i>Jacob Møller (DK)</i> <b>eCPR in Sweden</b> <i>Bengt Redfors (S)</i> <b>What is the evidence for eCPR?</b> <i>Kjetil Sunde (N)</i>
11.45-13.00	<b>LUNCH</b> – Poster walks Rasmus Hesselfeldt, Søren Rudolph, William Fawcett, Kasper Thybo, Martin Sigurdsson – Tivoli Congress Hall	
13.00-14.15	<b>Speak-up as a method to improve patient care – feedback</b> <i>Chairs: Doris Østergaard and Lill Blomqvist</i> <b>Speak-up as a relevant factor for patient care</b> <i>Peter Dieckmann (DK) and Tanja Manser (D)</i>	<b>Critical emergency medicine</b> <i>Chairs: Jacob Steinmetz and Sigurbergur Karason</i> <b>HEMS accidents – the flipside of day and night rescue</b> <i>Jochen Hinkelbein (D)</i> <b>Why do we need anaesthesiologists for emergencies</b> <i>Karl Thies (UK)</i> <b>From The Fab Four to The Rolling Stones – changes in EMS patient pattern</b> <i>Erika F Christensen (DK)</i>
14.15-14.45	<b>BREAK</b>	
14.45-15.55	<b>Abstracts: Obstetric Anaesthesia and Case Reports</b> Moderators: Elin Bjørnstad, Joanna Haynes	<b>Abstracts: Paediatric Anaesthesia and Education</b> Moderators: Tom G Hansen, Mats Wallin
16.00-17.00	<b>Top 5 papers in anaesthesia the last year</b> Chair: Pia Jæger <i>Andrew Klein (UK) and Anne Berit Guttormsen (N)</i>	<b>Airway management</b> <i>Chairs: Michael Seltz Kristensen and Kim Ekelund</i> <b>Airway assessment</b> <i>J Adam Law (CA)</i> <b>Airway management in the austere environment</b> <i>Jochen Hinkelbein (D)</i>
19.00-23.00	<b>CONGRESS DINNER, TIVOLI GARDENS</b>	

LUMBYE	VANDSALEN	PJERROT
<b>Paediatric anaesthesia</b> <i>Chairs: Tom G. Hansen and Guro Grindheim</i> <b>Monitoring brain oxygenation</b> <i>Gorm Greisen (DK)</i> <b>"Silly monitors"</b> <i>Per-Arne Lönnqvist (S)</i> <b>Patient centered monitoring fundamentals</b> <i>Mats Wallin (S)</i>	<b>Industry symposium</b>	<b>ICU survivors</b> <i>Chairs: Gisli Sigurdsson and Anders Åneman</i> <b>A personal story; XX, ICU survivor</b> <i>Morten Hylander (DK)</i> <b>Focus on sedation</b> <i>Thomas Strøm (DK)</i> <b>Quality of life in ICU survivors</b> <i>Ingrid Egerod (DK)</i>
<b>Prolonging the duration of peripheral nerve blocks</b> <i>Chairs: Jens Aage Kølsten Petersen and Luis Romundstad</i> <b>Increasing volume, concentration or dose</b> <i>Pia Jæger (DK)</i> <b>Adjuvants to local anaesthetics</b> <i>Jakob Hessel Andersen (DK)</i> <b>Perineural catheters – benefits and challenges</b> <i>Axel Sauter (N)</i>	<b>Industry symposium</b>	<b>Magic bullets in critical care?</b> <i>Chairs: Bodil Steen Rasmussen and Katrin Thormar</i> <b>Sepsis after surgery</b> <i>Edda Vestinsdottir (IS)</i> <b>Drug-drug interactions in anaesthesia and intensive care</b> <i>Klaus Olkkola (FIN)</i> <b>Fluid therapy in the ICU</b> <i>Anders Perner (DK)</i>
<b>Abstracts: Basic Science</b> Moderators: Sigurbergur Karason, Kirsten Møller	<b>Abstracts: Airway Management and Ultrasound</b> Moderators: Martin Kryspin Sørensen, Hans Flaatten	<b>Abstracts: Anaesthesia 2</b> Moderators: Søren Rudolph, Mikael Bodelsson
<b>Genetics for the anaesthesiologist</b> <i>Chairs: Kirsten Møller and Vesa Kontinen</i> <i>Martin Sigurdsson (IS)</i>	<b>Trauma patients</b> <i>Chairs: Thomas Strøm and Gisli Sigurdsson</i> <b>Anaesthesia for major trauma and Damage Control Surgery</b> <i>Jacob Steinmetz (DK)</i> <b>Trauma patients in the ICU</b> <i>Jonathan White (DK)</i>	<b>SSAI General assembly</b>

	TIVOLI CONGRESS HALL	CARSTENSEN
09.00-10.00	<b>The Asmund Laerdal memorial lecture</b> <i>Chairs: Doris Østergaard and Tor Inge Tønnessen</i> <b>Patient safety and non-technical skills</b> <i>Tanja Manser (D)</i>	
10.00-10.30	<b>BREAK</b>	
10.30-11.45	<b>Resuscitation</b> <i>Chairs: Sven Erik Gisvold and Hans Friberg</i> <b>Withholding and withdrawing treatment outside hospital</b> <i>Rasmus Hesselfeldt (DK)</i> <b>The Lazarus phenomenon – an update</b> <i>Tom Silfvast (FIN)</i>	<b>Subacute postoperative pain</b> <i>Chairs: Ole Mathiesen and Klaus Olkkola</i> <b>Prolonged use of opioids</b> <i>Eija Kalso (FIN)</i> <b>Towards better management of pro-longed postoperative pain</b> <i>Vesa Kontinen (FIN)</i> <b>Patient and nurse perspectives</b> <i>Nina Bache (DK) and a patient</i>
11.45-13.00	<b>LUNCH</b> – Poster walks Johanna Sarvela, Tor Inge Tønnessen, Martin Kryspin Sørensen, Tom G Hansen, Jakob Hessel Andersen – Tivoli Congress Hall	
13.00-14.15	<b>Nordic young anaesthesiologists' session</b> <i>Chairs: Joachim Hoffmann-Petersen and Steffen Kløve Albæk Pedersen</i> <b>Lethal Leadership – The myth of modern management</b> <i>Christian Ørsted (DK)</i> <b>Compassion – a psychologic strategy, not the feeling</b> <i>Nanja Holland Hansen (US)</i>	<b>Pre-anaesthetic assessment and optimization with or without anaesthesiologists?</b> <i>Chairs: Per Nelgård and Sigga Kalman</i> <b>Preoperative anaemia</b> <i>Andrew Klein (UK)</i> <b>Is fasting before surgery outdated?</b> <i>William Fawcett (UK)</i> <b>Morbidity and mortality after surgery</b> <i>Gisli Sigurdsson (IS)</i>
14.15-14.45	<b>BREAK</b>	
14.45-15.30	<b>Closing session: Husfeldt lecture, prizes and next congress</b> <i>Chairs: Sven Erik Gisvold and Joachim Hoffmann-Petersen</i> <b>The global anaesthesia and surgery crisis</b> <i>Jannicke Mellin-Olsen (N)</i>	

LUMBYE	VANDSALEN	PJERROT
<b>Emergencies</b> <i>Chairs: Erika F Christensen and Markus Skrifvars</i> <b>In-flight medical emergencies during airline flights</b> <i>Jochen Hinkelbein (D)</i> <b>The bloody bleeding upper airway</b> <i>Michael Seltz Kristensen (DK)</i>	<b>Industry symposium</b>	<b>Education</b> <i>Chairs: Peter Dieckmann and Tanja Manser</i> <b>Education and patient centered care</b> <i>Charlotte Ringsted (DK)</i> <b>The unconscious, incompetent anaesthesiologist – certification or training?</b> <i>Doris Østergaard (DK)</i> <b>The health authorities' view on education and maintenance of competence</b> <i>Lars Juhl Petersen (DK)</i>
<b>Sleep</b> <i>Chairs: Thomas Strøm and Katrin Thormar</i> <b>Sleep in the ICU</b> <i>Yuliya Boyko (DK)</i> <b>Importance of sleep and sleep deprivation for health care professionals</b> <i>Birgitte Rahbek Kornum (DK)</i>	<b>Oxygen: Too little/too much</b> <i>Chairs: Jens Aage Kølsen Petersen</i> <b>Intraoperative oxygen fraction</b> <i>Christian Meyhoff (DK)</i> <b>Oxygen titration in the ICU</b> <i>Bodil Steen Rasmussen (DK)</i> <b>Oxygen for Trauma patients</b> <i>Josefine Bækgaard (DK)</i>	<b>Ethical dilemmas</b> <i>Chairs: Tom Silfvast and Mette Hyllested</i> <b>End of life, incompetent patients, patient vs physician autonomy</b> <i>Hans Friberg (S) and Kirsten Møller (DK)</i> <b>Anaesthesia and consent: the fragility fracture patient's perspective</b> <i>Clifford L Shelton (UK)</i>

# WORKSHOPS

**Workshops: Arkaden 8**  
**Registration is necessary**

## **28.08.2019**

- 11.30-12.45 Develop your research idea, Pain studies. Christian Meyhoff, Lars Grønlykke
- 12.45-14.00 Lunch
- 14.00-15.15 Simulation: Obstetrics Kim Ekelund
- 15.15-15.45 Break
- 15.45-17.00 Simulation: Paediatric anaesthesia, Malene Johannsen

## **29.08.2019**

- 10.30-11.45 Simulation: Obstetrics Kim Ekelund
- 11.45-13.00 Lunch
- 13.00-14.15 Simulation: Paediatric anaesthesia Malene Johannsen
- 14.15-14.45 Break
- 14.45-16.00 Simulation: Airway management Rasmus Hesselfeldt

## **30.08.2019**

- 10.30-11.45 Develop your research idea. Christian Meyhoff, Lars Grønlykke
- 11.45-13.00 Lunch
- 13.00-14.15 Simulation: Airway management Rasmus Hesselfeldt





# ACTA COMPETITION

Abstracts are published on the website of Acta Anaesthesiologica Scandinavica

**29<sup>TH</sup> AUGUST 10.30-11.45 – ROOM: TIVOLI CONGRESS HALL**

## ABSSUB-125

### Does Non-Sedation Affect Quality Of Life Following Critical Illness?

Hanne T. Olsen<sup>\*1,2</sup>, Helene K. Nedergaard<sup>1,3</sup>, Hanne I. Jensen<sup>3,4</sup>, Thomas Strøm<sup>5</sup>, Palle Toft<sup>1,5</sup>

<sup>1</sup>Department of Clinical Research, University of Southern Denmark, Odense, <sup>2</sup>Department of anesthesiology and intensive care, Odense University Hospital, Svendborg, <sup>3</sup>Department of anesthesiology and intensive care, Lillebaelt Hospital, Kolding, Kolding, <sup>4</sup>Department of Regional Health Research, University of Southern Denmark, <sup>5</sup>Department of anesthesiology and intensive care, Odense University Hospital, Odense, Denmark

## ABSSUB-187

### Spinal And Epidural Sufentanyl And Fentanyl In Early Labour

Matti Kuukasjärvi<sup>1</sup>, Antti Väänänen<sup>\*1</sup>, Aydin Tekay<sup>2</sup>, Jouni Ahonen<sup>1</sup>

<sup>1</sup>Anaesthesia, <sup>2</sup>Obstetrics and Gynaecology, Helsinki University Women's Hospital, Helsinki, Finland

## ABSSUB-191

### Survival And Cognition Related To Blood Pressure During Heart Surgery

Mo Haslund Larsen<sup>\*1</sup>, Christina Drægert<sup>1</sup>, Anne Grønborg Vedel<sup>1</sup>, Jens Christian Nilsson<sup>1</sup>,

Lars S. Rasmussen<sup>1</sup>

<sup>1</sup>Rigshospitalet, Copenhagen, Denmark

## ABSSUB-223

### Long-Term Mortality In The European, Randomised Sup-Icu Trial

Søren Marker<sup>\*1,2</sup>, Mette Krag<sup>1,2</sup>, Anders Perner<sup>1,2</sup>, Jørn Wetterslev<sup>2,3</sup>, Theis Lange<sup>4</sup>, Matt P. Wise<sup>5</sup>, Mark Borthwick<sup>6</sup>, Stepani Bendel<sup>7</sup>, Frederik Keus<sup>8</sup>, Anne Berit Guttormsen<sup>9,10</sup>, Joerg C. Schefold<sup>11</sup>, Bodil S. Rasmussen<sup>2,12</sup>, Thomas Elkmann<sup>13</sup>, Morten Bestle<sup>14</sup>, Bjørn Arenkiel<sup>15</sup>, Jon H. Laake<sup>16</sup>, Maj K. Kamper<sup>17</sup>, Maarit Lång<sup>7</sup>, Malgorzata B. Pawlowicz-Dworzanska<sup>18</sup>, Sari Karlsson<sup>19</sup>,

Janne Liisanantti<sup>20</sup>, Nilanjan Dey<sup>21</sup>, Heidi Knudsen<sup>22</sup>, Anders Granholm<sup>1</sup>, Morten Hylander Møller<sup>1,2</sup>

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## ABSSUB-234

### The Roll Of End-Tidal Carbon Dioxide In Ecpr

Carl-Henrik Ölander<sup>\*1</sup>, Per Vikholm<sup>1</sup>, Petter Schiller<sup>1</sup>, Laila Hellgren<sup>1</sup>

<sup>1</sup>Cardiothoracic Surgery, University Hospital, Uppsala, Sweden

# ABSTRACTS

Abstracts are published on the website of Acta Anaesthesiologica Scandinavica

## BASIC SCIENCE

**29<sup>TH</sup> AUGUST 14.45-15.55 – ROOM: LUMBYE**

## ABSSUB-114

### Time-Course Pattern Of Neuronal Death And Gliosis In Gerbil Hippocampi

Jun Hwi Cho<sup>1</sup>, Hyun Jun Lim<sup>\*1</sup>, Joong Bum Moon<sup>1</sup>, Chan Woo Park<sup>1</sup>, Taek Geun Ohk<sup>1</sup>, Myeung Cheol Shin<sup>1</sup>, Ka Eul Kim<sup>1</sup>, Joon Ha Park<sup>2</sup>, Ji Hyun Ahn<sup>2</sup>, Moo Ho Won<sup>3</sup>

<sup>1</sup>Emergency Medicine, Kangwon National University, <sup>2</sup>Biomedical Science and Research Institute for Bioscience and Biotechnology, Hallym University, <sup>3</sup>Neurobiology, Kangwon National University, Chuncheon, Korea, Republic Of

## ABSSUB-116

### Mtor Mediates Neuronal Death Following Transient Cerebral Ischemia

Joon Yeol Lee<sup>1</sup>, Hyun Jun Lim<sup>1</sup>, Jun Hwi Cho<sup>1</sup>, Joong Bum Moon<sup>1</sup>, Chan Woo Park<sup>1</sup>, Taek Geun Ohk<sup>1</sup>, Myeung Cheol Shin<sup>1</sup>, Ka Eul Kim<sup>\*1</sup>, Ji Hyun Ahn<sup>2</sup>, Joon Ha Park<sup>2</sup>, Moo Ho Won<sup>3</sup>

<sup>1</sup>Emergency Medicine, Kangwon National University, <sup>2</sup>Biomedical Science and Research Institute for Bioscience and Biotechnology, Hallym University, <sup>3</sup>Neurobiology, Kangwon National University, Chuncheon, Korea, Republic Of

## ABSSUB-117

### Melatonin Protects Autophagy-Like Cell Death Cerebellar Purkinje Cells

Dae Jin Chung<sup>1</sup>, Hyun Jun Lim<sup>1</sup>, Jun Hwi Cho<sup>1</sup>, Joong Bum Moon<sup>1</sup>, Chan Woo Park<sup>1</sup>, Taek Geun Ohk<sup>1</sup>, Myeung Cheol Shin<sup>1</sup>, Ka Eul Kim<sup>\*1</sup>, Ji Hyun Ahn<sup>2</sup>, Joon Ha Park<sup>2</sup>, Moo Ho Won<sup>3</sup>

<sup>1</sup>Emergency Medicine, Kangwon National University, <sup>2</sup>Biomedical Science and Research Institute for Bioscience and Biotechnology, Hallym University, <sup>3</sup>Neurobiology, Kangwon National University, Chuncheon, Korea, Republic Of

## ABSSUB-159

### Bedside Microdialysis Assesment Of Brain Injury After Cardiac Arrest

Simon Mölström<sup>\*1</sup>, Troels H. Nielsen<sup>2</sup>, Carl H. Nordström<sup>2</sup>, Sören Venö<sup>1</sup>, Tomas Tencer<sup>1</sup>, Sören Möller<sup>3</sup>, Henrik Schmidt<sup>1</sup>, Palle Toft<sup>1</sup>

<sup>1</sup>Anesthesiology and Intensive Care, <sup>2</sup>Neurosurgery, Odense University Hospital, Denmark, <sup>3</sup>OPEN – Odense Patient data Explorative Network, Odense University Hospital and Department of Clinical Research, University of Southern Denmark, Odense, Denmark

## ABSSUB-211

### Silicone Oil Reduces Uropathogenic Bacterial Biofilm Formation

Martin Slettengren<sup>\*1</sup>

<sup>1</sup>Division of Perioperative Medicine and Intensive Care, Section of Cardiothoracic Surgery and Anaesthesiology, Karolinska University Hospital, SE-171 76, Stockholm, Sweden, Department of Molecular Medicine and Surgery, Karolinska Institutet, SE-171 77, Stockholm, Sweden

## ABSSUB-222

### Autonomic Sympathetic Nervous Function And Delirium In The Icu

Signe M. Linér<sup>\*1</sup>, Jannik Stokholm<sup>2</sup>, Thomas Christensen<sup>2</sup>, Morten Bestle<sup>3</sup>

<sup>1</sup>Dept. of Anesthesiology and Intensive Care, Nordsjællands Hospital, University of Copenhagen, Hilleroed, <sup>2</sup>Dept. of Neurology, University of Copenhagen, dept. of Clinical Medicine, Copenhagen, <sup>3</sup>Dept. of Anesthesiology and Intensive Care, Nordsjællands Hospital, University of Copenhagen, Hilleroed, Denmark

## ABSSUB-248

### Altered Vasoreactivity Following Middle Cerebral Artery Occlusion

André Erdling<sup>\*1,2</sup>

<sup>1</sup>Experimental vascular research, Lund University, <sup>2</sup>Cardiothoracic surgery, anesthesia and intensive care, Skåne University Hospital, Lund, Sweden

## ABSSUB-256

### The Effect Of Cooling On The Stability Of Venous Blood Gas Values.

Mette Pedersen<sup>\*1</sup>, Mads Lumholdt<sup>1,2</sup>, Kjeld Damgaard<sup>1</sup>

<sup>1</sup>Department of Anaesthesiology and Intensive Care, <sup>2</sup>Centre for Clinical Research, North Denmark Regional Hospital, Hjørring, Denmark

## CARDIAC ANAESTHESIA

28<sup>TH</sup> AUGUST 14.00-15.15 – ROOM: TIVOLI CONGRESS HALL

## ABSSUB-127

### Operative Outcomes After Open Thoracoabdominal Aneurysm Repair

Mihkel Meinberg<sup>\*1</sup>, Maxim Mazanikov<sup>1</sup>, Seppo Hiippala<sup>1</sup>, Mikko Jormalainen<sup>2</sup>

<sup>1</sup>Department of Anaesthesia, Intensive care and Pain medicine, Helsinki University Hospital, <sup>2</sup>Department of Cardiothoracic surgery, Heart and Lung Centre, Helsinki University Hospital, Helsinki, Finland

## ABSSUB-139

### Mannitol In Cardiopulmonary Bypass Prime Solution – A Randomized Study

Andreas Sköld<sup>\*1</sup>, Magnus Ljunggren<sup>1</sup>, Alain Dardashti<sup>1,2</sup>, Snejana Hyllén<sup>1,2</sup>

<sup>1</sup>Department of Cardiothoracic Anesthesia and Intensive care, Skåne University Hospital, <sup>2</sup>Department of Cardiac Surgery, Lund University, Lund, Sweden

## ABSSUB-206

### A Descriptive Study Of Octogenarians Undergoing Open Cardiac Surgery

Hjördis O. Atladottir<sup>\*1</sup>, Ivy Modrau<sup>2</sup>, Carl-Johan Jakobsen<sup>1</sup>, Christian Torp-Pedersen<sup>3</sup>, Marie Gissel<sup>1</sup>, Dorthe V. Nielsen<sup>1</sup>

<sup>1</sup>Department of Anaesthesiology and Intensive Care Medicine, <sup>2</sup>Department of Cardiothoracic and Vascular Surgery, Aarhus University Hospital, Aarhus, <sup>3</sup>Unit of Epidemiology and Biostatistics, Aalborg University Hospital, Aalborg, Denmark

## ABSSUB-210

### Prediction Of Pleural Adhesion And Pain In Thoracic Surgery

Heejoon Jeong<sup>\*1</sup>, Hyun Joo Ahn<sup>1</sup>, In Sun Song<sup>1</sup>, Yong Hoon Son<sup>1</sup>, Eun Jin Kwon<sup>1</sup>

<sup>1</sup>Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, Republic Of

## ABSSUB-224

### Vasoconstrictors After Coronary Artery Bypass Grafting Create Concern

Vijoleta Abromaitiene<sup>\*1</sup>, Jacob R. Greisen<sup>1</sup>, Carl-Johan Jakobsen<sup>1</sup>

<sup>1</sup>Department of Anesthesia and Intensive Care, Aarhus University Hospital, Aarhus, Denmark

## ABSSUB-231

### Cognitive Complaints Vs Neuropsychological Tests After Cardiac Surgery

Laurits Elgaard<sup>\*1</sup>, Mo H. Larsen<sup>1</sup>, Christina Drægert<sup>1</sup>, Anne G. Vedel<sup>2</sup>, Lars S. Rasmussen<sup>1</sup>

<sup>1</sup>anaesthesiology, Center of head and orthopaedics, <sup>2</sup>Thoracic anaesthesiology, Rigshospitalet, Copenhagen, Denmark

## ABSSUB-245

### Ab0 Group And Postoperative Bleeding In Cardiac Surgery

Søren M. Hansen<sup>\*1</sup>, Claus Andersen<sup>1</sup>, Ulrik Sprøge<sup>2</sup>

<sup>1</sup>Anæstesiologisk-Intensiv Afdeling V, <sup>2</sup>South Danish Transfusion Service & Tissue Center – Department of Clinical Immunology, Odense University Hospital, Odense C, Denmark

## ABSSUB-250

### Icu Interventions Affect The Right Ventricle After Cardiac Surgery

Lars Groenlykke<sup>\*1</sup>, André Korshin<sup>1</sup>, Finn Gustafsson<sup>2</sup>, Jens C. Nilsson<sup>1</sup>, Hanne B. Ravn<sup>1</sup>

<sup>1</sup>Department of cardiothoracic anesthesia, <sup>2</sup>Department of cardiology, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark

## ABSSUB-262

### Acute Kidney Injury Following Acute Repair Of Type A Aortic Dissection

Dadi Helgason<sup>1,2</sup>, Solveig Helgadóttir<sup>3</sup>, Anders Ahlsson<sup>4</sup>, Jarmo Gunn<sup>5</sup>, Vibeke Hjortdal<sup>6</sup>,

Emma C. Hansson<sup>7,8</sup>, Anders Jeppsson<sup>7,8</sup>, Ari Mennander<sup>9</sup>, Shahab Nozohoor<sup>10,11</sup>,

Igor Zindovic<sup>10,11</sup>, Christian Olsson<sup>4</sup>, Stefan O. Ragnarsson<sup>2</sup>, Martin I. Sigurdsson<sup>\*2,12</sup>,

Arnar Geirsson<sup>13</sup>, Tomas Gudbjartsson<sup>2,14</sup>

<sup>1</sup>Internal Medicine Services, Landspítali – The National University Hospital of Iceland, <sup>2</sup>Faculty of Medicine, University of Iceland, Reykjavik, Iceland, <sup>3</sup>Department of Cardiothoracic Surgery and Anesthesia, Akademiska University Hospital, Uppsala, <sup>4</sup>Department of Thoracic and Cardiovascular Surgery, Karolinska University Hospital, Stockholm, Sweden, <sup>5</sup>Heart Center, Turku University Hospital and University of Turku, Turku, Finland, <sup>6</sup>Department of Cardiothoracic and vascular Surgery, Aarhus University Hospital, Skejby, Denmark, <sup>7</sup>Department of Cardiothoracic Surgery, Sahlgrenska University Hospital, <sup>8</sup>Department of Molecular and Clinical Medicine, Institute of Medicine, Sahlgrenska Academy, University of Gothenburg, Gothenburg, Sweden, <sup>9</sup>Heart Center, Tampere University Hospital and Tampere University, Tampere, Finland, <sup>10</sup>Department of Cardiothoracic Surgery, Skane University Hospital, <sup>11</sup>Clinical Sciences, Lund University, Lund, Sweden, <sup>12</sup>Division of Anesthesia and Intensive Care Medicine, Landspítali – The National University Hospital of Iceland, Reykjavik, Iceland, <sup>13</sup>Section of Cardiac Surgery, Department of Surgery, Yale School of Medicine, New Haven, CT, United States, <sup>14</sup>Division of Cardiothoracic Surgery, Landspítali – The National University Hospital of Iceland, Reykjavik, Iceland

## ANAESTHESIA 1

28<sup>TH</sup> AUGUST 14.00-15.15 – ROOM: PJERROT

## ABSSUB-176

### Intraoperative E E G And Postoperative Delirium: Exploratory Analysis

Bruno Neuner<sup>\*1</sup>, Simone Wolter<sup>1</sup>, Finn M. Radtke<sup>1,2</sup>, Martin Franck<sup>1,3</sup>, Claudia D. Spies<sup>1</sup>,

Thomas Koenig<sup>4</sup>

<sup>1</sup>Department for Anesthesiology, Operating-Room Management and Intensive Care Medicine, Charité-Universitätsmedizin Berlin, Berlin, Germany, <sup>2</sup>Department of Anaesthesiology, Næstved Hospital, Næstved, Denmark, <sup>3</sup>Department of Anesthesia, St. Hedwig Hospital, Berlin, Germany, <sup>4</sup>University Hospital of Psychiatry Bern, Translational Research Center, University of Bern, Bern, Switzerland

## ABSSUB-178

### Ct-Proet-1 Predicts Myocardial Injury In Abdominal Surgery Patients

Henrik N. Hansson<sup>\*1</sup>, Michelle S. Chew<sup>1</sup>, Wictor Gääv Rolander<sup>1</sup>, Helén Didriksson<sup>1</sup>,

Lena Sundin<sup>1</sup>, Henrik A. Andersson<sup>1</sup>

<sup>1</sup>Anesthesiology and Intensive Care, Medical and Health Sciences, Linköping, Sweden

## ABSSUB-180

### Spinal Vs. General Anesthesia For Total Knee Arthroplasty

Riku Palanne<sup>\*1,2</sup>, Mikko Rantasalo<sup>3</sup>, Anne Vakkuri<sup>1</sup>, Klaus Olkkola<sup>4</sup>, Rami Madanat<sup>3</sup>, Noora Skants<sup>1</sup>

<sup>1</sup>Peijas Hospital, Department of Anesthesiology, Intensive Care and Pain Medicine, University of Helsinki and Helsinki University Hospital, Vantaa, <sup>2</sup>Department of Anesthesiology, Intensive Care and Pain Medicine, Central Finland Central Hospital, Jyväskylä, <sup>3</sup>Peijas Hospital, Department of Orthopedics and Traumatology, Arthroplasty Centre, University of Helsinki and Helsinki University Hospital, Vantaa, <sup>4</sup>Department of Anesthesiology, Intensive Care and Pain Medicine, University of Helsinki and Helsinki University Hospital, Helsinki, Finland

## ABSSUB-188

### Cardiac Output In The Transfusion Triggers In Vascular Surgery Trial

Anders Møller<sup>1</sup>, Saeid Shahidi<sup>2</sup>, Jørn Wetterslev<sup>3</sup>, Dorte Helleman<sup>1</sup>, Ole B. Pedersen<sup>4</sup>, Klaus V. Marcussen<sup>1</sup>, Benedicte G. Ramsing<sup>1</sup>, Anette Mortensen<sup>1</sup>, Henning B. Nielsen<sup>5</sup>

<sup>1</sup>Anaesthesia and Intensive Care, <sup>2</sup>General and Vascular Surgery, Slagelse Hospital, Slagelse, <sup>3</sup>Copenhagen Trial Unit, Rigshospitalet, Copenhagen, <sup>4</sup>Clinical Immunology, Naestved Hospital, Naestved, <sup>5</sup>Sanos Clinic, Herlev, Denmark

## ABSSUB-190

### Midazolam Versus Dexamethasone-Ondansetron For Prophylaxis Of Ponv

Kelika Prakash<sup>1</sup>, Tanvi Meshram<sup>1</sup>, Mahesh K. Arora<sup>1</sup>

<sup>1</sup>Anaesthesiology, Institute of Liver and Biliary Sciences, New Delhi, India

## ABSSUB-192

### Excessive Oxygen Administration Evaluated By 30-Day Mortality

Hannibal Troensegaard<sup>1</sup>, Cecilie Petersen<sup>1</sup>, Niels E. Pedersen<sup>1</sup>, Tonny S. Petersen<sup>2</sup>, Christian S. Meyhoff<sup>1</sup>

<sup>1</sup>Department of Anaesthesia and Intensive Care, <sup>2</sup>Department of Clinical Pharmacology, Bispebjerg Hospital, København, Denmark

## ABSSUB-194

### Bis Guided Sedation For Ercp:A Randomised Controlled Trial

Mahesh K. Arora<sup>1</sup>, Ganesh Nimje<sup>1</sup>, Kelika Prakash<sup>1</sup>, Gaurav Sindwani<sup>1</sup>

<sup>1</sup>Anaesthesiology, Institute of Liver and Biliary Sciences, New Delhi, India

## ABSSUB-214

### Effect Of Albumin Infusion On Postoperative Outcome In Pancreatectomy

Heejoon Jeong<sup>1</sup>, Jie Ae Kim<sup>1</sup>, Bong Kyu Seong<sup>1</sup>, Joon Hee Gook<sup>1</sup>, Soyeon Park<sup>1,2</sup>

<sup>1</sup>Samsung Medical Center, Sungkyunkwan University School of Medicine, <sup>2</sup>Department of Anaesthesiology and Pain medicine, Samsung Medical Centre, Sungkyunkwan University School of Medicine, Seoul, Korea, Republic Of

## ABSSUB-252

### Estimated And Measured Oxygen Consumption In The Perioperative Period

Carl Norén<sup>1,2</sup>, Julia Jakobsson<sup>2,3</sup>, Sigridur Kalman<sup>2,3</sup>, Erzsébet Bartha<sup>2,3</sup>

<sup>1</sup>Anaesthesia and Intensive Care, Nyköping County Hospital, Nyköping, <sup>2</sup>CLINTEC, Karolinska Institutet, <sup>3</sup>Perioperative Medicine and Intensive Care, Karolinska University Hospital Huddinge, Stockholm, Sweden

## ABSSUB-255

### Patient-Centred Preoperative Anaesthetic Triage System

Clara Molin<sup>1</sup>, Marie Louise Roving<sup>1</sup>, Christian S. Meyhoff<sup>1</sup>

<sup>1</sup>Department of Anaesthesia and Intensive Care, Bispebjerg and Fredriksberg hospital, Copenhagen, Denmark

## ANAESTHESIA 2

29<sup>TH</sup> AUGUST 14.45-15.55 – ROOM: PJERROT

## ABSSUB-120

### Incidence Of Anaemia And Blood Transfusions In Knee Arthroplasties.

Tracy Wong<sup>1</sup>, Henry Chua<sup>1</sup>, Stacy Ng<sup>2</sup>, Genevieve Chiam<sup>3</sup>, Carmen J. W. Kam<sup>4</sup>, Avinash Gobindram<sup>5</sup>

<sup>1</sup>Anaesthesiology, <sup>2</sup>Orthopaedic, Singhealth, <sup>3</sup>Undergraduate, National University of Singapore, <sup>4</sup>Statistician, <sup>5</sup>Anaesthesiology, Changi General Hospital, Singapore, Singapore

## ABSSUB-123

### Sugammadex Vs. Neostigmine For Post-Op Nausea After Lap-Gynae Surgery

Deepak Mathur<sup>1</sup>, Farida B. Ithnin<sup>1</sup>, Nian-Lin R. Han<sup>1</sup>, Rehena Sultana<sup>2</sup>, Alex T. H. Sia<sup>1</sup>, Ban Leong Sng<sup>1</sup>, Jacqueline Sim<sup>1,3</sup>

<sup>1</sup>KK Women's and Children's Hospital, <sup>2</sup>Duke-NUS Medical School, <sup>3</sup>Obstetrics and Gynae Anaesthesia, KK Women's and Children hospital, Singapore, Singapore

## ABSSUB-129

### Decreased Intraoperative Oxygen Consumption And Delivery In Elderly

Julia Jakobsson<sup>1,2</sup>, Carl Norén<sup>2,3</sup>, Sigridur Kalman<sup>1,2</sup>, Erzsébet Bartha<sup>1,2</sup>

<sup>1</sup>Perioperative Medicine and Intensive Care, Karolinska University Hospital Huddinge, <sup>2</sup>CLINTEC, Karolinska Institutet, Stockholm, <sup>3</sup>Anaesthesia and Intensive Care, Nyköping County Hospital, Nyköping, Sweden

## ABSSUB-131

### Doxapram As An Additive To Propofol Sedation For Ercp

Jarno Jokelainen<sup>1</sup>, Maxim Mazanikov<sup>2</sup>, Harri Mustonen<sup>3</sup>, Anna Belozerskikh<sup>2</sup>, Reino Pöyhiä<sup>4</sup>

<sup>1</sup>Anesthesia and Intensive Care Medicine, South Karelia Central Hospital, Lappeenranta, <sup>2</sup>Anesthesia and Intensive Care Medicine, <sup>3</sup>Gastroenterological and General Surgery, Helsinki University central Hospital, Hlesinki, <sup>4</sup>Kauniala Hospital, Kauniainen, Finland

## ABSSUB-132

### Pneumomediastinum During Use Of High-Flow Nasal Cannula: A Case Report

Niina L. M. Niemi<sup>1</sup>

<sup>1</sup>Anesthesiology and intensive care, Lapin sairaanhoitopiiri, Rovaniemi, Finland

## ABSSUB-149

### Effect Of Preoperative Fluid Therapy On Hemodynamic Stability

Tomi Myrberg<sup>1</sup>, Linnea Lindelöf<sup>1</sup>, Magnus Hultin<sup>1</sup>

<sup>1</sup>Department of Surgical and Perioperative sciences, Anesthesiology and Intensive care, Umeå University, Umeå, Sweden

## ABSSUB-170

### Dexmedetomidine Diminishes The Increase Of Optic Nerve Sheath Diameter

Eunkyul Kim<sup>1</sup>, Jihion Yu<sup>1</sup>, Young-Kug Kim<sup>1</sup>, Jun-Young Park<sup>1</sup>, Doo-Hwan Kim<sup>1</sup>, Gi-Ho Koh<sup>2</sup>,

Wonyeong Jeong<sup>1</sup>, Jun Hyuk Hong<sup>3</sup>, Jai-Hyun Hwang<sup>1</sup>

<sup>1</sup>Department of Anesthesiology and Pain Medicine, Asan medical center, Seoul, <sup>2</sup>Department of Anesthesiology and Pain Medicine, College of Medicine, Chosun University, Kwang-ju, <sup>3</sup>Department of Urology, Asan medical center, Seoul, Korea, Republic Of

## ABSSUB-174

### Mr-Proadm Predicts Postoperative Infections In Major Abdominal Surgery

Wictor Gäaw Rolander<sup>1</sup>, Henrik A. Andersson<sup>1</sup>, Henrik Hansson<sup>1</sup>, Helén Didriksson<sup>1</sup>,

Lena Sundin<sup>1</sup>, Rasmus Nordström<sup>1</sup>, Michelle S. Chew<sup>1</sup>

<sup>1</sup>Anesthesiology and Intensive Care, Medical and Health Sciences, Linköping, Sweden

## ABSSUB-195

### Preoperative Opioid And Benzodiazepine Use And Surgical Mortality

Martin I. Sigurdsson<sup>1,2</sup>, Solveig Helgadóttir<sup>3</sup>, Thorir E. Long<sup>2,4</sup>, Dadi Helgason<sup>2,4</sup>,

Nathan H. Waldron<sup>5</sup>, Olafur S. Indridason<sup>4</sup>, Runolfur Palsson<sup>2,6</sup>, Ingibjorg Gudmundsdóttir<sup>4</sup>,

Tomas Guðbjartsson<sup>2,7</sup>, Gisli H. Sigurdsson<sup>1,2</sup>

<sup>1</sup>Department of Anesthesia and Critical Care, Landspítali University Hospital, <sup>2</sup>Faculty of Medicine, University of Iceland, Reykjavik, Iceland, <sup>3</sup>Uppsala University, Uppsala, Sweden, <sup>4</sup>Internal Medicine, Landspítali University Hospital, Reykjavik, Iceland, <sup>5</sup>Department of Anesthesia and Critical Care, Duke University Hospital, Durham, United States, <sup>6</sup>Faculty of Medicine, <sup>7</sup>Department of Surgery, Landspítali University Hospital, Reykjavik, Iceland

## ABSSUB-247

### Preoperative Epidural Analgesia In Hip Fracture Patients

Monika A. Rubin<sup>\*1</sup>, Nikolaj F. Stark<sup>2</sup>, Simon J. Hårsmar<sup>3</sup>, Ann M. Møller<sup>1, 4, 5</sup>

<sup>1</sup>Department of Anaesthesia, Herlev and Gentofte Hospital, University of Copenhagen, Herlev, <sup>2</sup>Emergency Department, Holbæk Hospital, Holbæk, Denmark, <sup>3</sup>Psychiatric Clinic Lund, Skåne University Hospital, Region Skåne, Sweden, <sup>4</sup>Cochrane Anaesthesia, <sup>5</sup>Cochrane Emergency and Critical Care, Cochrane, Herlev, Denmark

## CRITICAL EMERGENCY MEDICINE

28<sup>TH</sup> AUGUST 14.00-15.15 – ROOM: VANDSALEN

## ABSSUB-154

### Introducing Precharge In The Prehospital Setting: A Feasibility Study

Bo N. Iversen<sup>\*1</sup>, Karen Alstrup<sup>1</sup>, Rasmus Faurby<sup>1</sup>, Hans Kirkegaard<sup>2</sup>, Steffen Christensen<sup>1</sup>

<sup>1</sup>Department of Rapid Response Vehicles, Prehospital Emergency Medical Services, Central Denmark Region, <sup>2</sup>Research Centre for Emergency Medicine, Aarhus University Hospital, Aarhus, Denmark

## ABSSUB-167

### Concept For Prehospital Transfusion In The North Denmark Region

Kasper Kragh Kræmer<sup>\*1, 2, 3</sup>

<sup>1</sup>Clinic for Anaesthesiology, Child Diseases, Circulation and Women, <sup>2</sup>Center for Prehospital and Emergency Research, Aalborg University Hospital, <sup>3</sup>Prehospital Emergency Services, North Denmark Region, Aalborg, Denmark

## ABSSUB-168

### Training In Resuscitative Endovascular Balloon Occlusion Of The Aorta

Morten Engberg<sup>\*1</sup>, Mikkel Taudorf<sup>2</sup>, Niklas K. Rasmussen<sup>2</sup>, Lene Russell<sup>1</sup>, Lars Lönn<sup>2</sup>, Lars Konge<sup>1</sup>

<sup>1</sup>Copenhagen Academy for Medical Education and Simulation (CAMES), Region Hovedstaden, <sup>2</sup>Department of Radiology, Rigshospitalet, Copenhagen, Denmark

## ABSSUB-181

### Spinal Stabilisation Of Adult Trauma Patients – A National Guideline

Monika A. Rubin<sup>\*1</sup>, Christian Maschmann<sup>2, 3, 4</sup>, Elisabeth Jeppesen<sup>5, 6</sup>, Charlotte Barfod<sup>3</sup>

<sup>1</sup>Department of Anesthesiology, Copenhagen University Hospital, Herlev, <sup>2</sup>Emergency Department, Copenhagen University Hospital, Bispebjerg, <sup>3</sup>Emergency Medical Services, Capitol Region of Copenhagen, Ballerup, <sup>4</sup>Department of Anesthesiology, Copenhagen University Hospital, Bispebjerg, Denmark, <sup>5</sup>Norwegian Trauma Registry, Division of Orthopedic Surgery, Oslo University Hospital, Oslo, <sup>6</sup>Faculty of Health Science, University of Stavanger, Stavanger, Norway

## ABSSUB-197

### Point-Of-Care Analysis Of Intraosseous Blood Samples

Milla Jousi<sup>\*1, 2</sup>, Jouni Nurmi<sup>1</sup>

<sup>1</sup>Emergency Medicine, University of Helsinki and Department of Emergency Medicine and Services, Helsinki University Hospital, Helsinki, <sup>2</sup>Research and Development Unit, FinnHEMS, Vantaa, Finland

## ABSSUB-204

### Impact Of Physician-Staffed Helicopters On Prehospital Patient Outcome

Christina Draegert<sup>\*1</sup>, Bjarke Risgaard<sup>1</sup>, Josefine Baekgaard<sup>1</sup>, Jacob Steinmetz<sup>1</sup>, Lars Rasmussen<sup>1</sup>

<sup>1</sup>Department of Anesthesia, Center of Head and Orthopedics, Rigshospitalet, Copenhagen, Denmark

## ABSSUB-205

### Prehospital Paediatric Emergencies – Observations From Denmark

Morten Overgaard<sup>\*1</sup>, Anssi Heino<sup>2</sup>, Sofie Allerød Andersen<sup>1</sup>, Owain Thomas<sup>3</sup>, Johan Holmén<sup>4</sup>, Søren Mikkelsen<sup>5</sup>

<sup>1</sup>Dept of anaesthesiology and intensive care medicine, Odense University Hospital, Odense, Denmark, <sup>2</sup>Department of Perioperative Services, Intensive Care Medicine and Pain Management, Turku University Hospital and University of Turku, Turku, Finland, <sup>3</sup>Paediatric Anaesthesia and Intensive Care, Lund University Hospital and Department of Clinical Sciences Lund, Lund, <sup>4</sup>Paediatric Anaesthesia and Intensive Care, Department of Prehospital and Emergency Care, Queen Silvia's Children's Hospital, Sahlgrenska University Hospital, Göteborg, Sweden, <sup>5</sup>Mobile Emergency Care Unit, Dept of anaesthesiology and intensive care medicine, Odense University Hospital, Odense, Denmark

## ABSSUB-218

### Characteristics Of Patients Served By The Danish Hems

Karen Alstrup<sup>\*1</sup>, Thea P. Møller<sup>2</sup>, Lars Knudsen<sup>3, 4</sup>, Troels Martin Hansen<sup>4</sup>, Jens Aage K. Petersen<sup>3, 4</sup>, Leif Rognås<sup>3, 4</sup>, Charlotte Barfod<sup>2, 4</sup>

<sup>1</sup>Research and Development, Pre-hospital Emergency Medical Services, Aarhus, <sup>2</sup>Emergency Medical Services Copenhagen, Copenhagen, <sup>3</sup>Department of Anaesthesiology, Aarhus University Hospital, <sup>4</sup>The Danish Air Ambulance, Aarhus, Denmark

## ABSSUB-236

### Development In Age Profile And Hospital Diagnoses Among Ems Patients

Hans Ole Holdgaard<sup>\*1</sup>, Morten B. Soevsoe<sup>1, 2</sup>, Tim Lindskou<sup>1</sup>, Emil Faerk<sup>1</sup>, Torben A. Kloejgaard<sup>1</sup>, Erika F. Christensen<sup>1, 3</sup>

<sup>1</sup>Center for Prehospital and Emergency Research, Department of Clinical Medicine, Aalborg University, <sup>2</sup>Emergency Medical Services, North Denmark Region, <sup>3</sup>Clinic for Internal and Emergency Medicine, Aalborg University Hospital, Aalborg, Denmark

## ABSSUB-246

### Family Presence During Resuscitation – Protocol Of A Cochrane Review

Monika A. Rubin<sup>\*1, 2, 3</sup>, Suzanne F. Herling<sup>4</sup>, Tobias W. Klausen<sup>5</sup>, Patricia Jabre<sup>6, 7, 8</sup>, Ann M. Møller<sup>1, 2, 3</sup>

<sup>1</sup>Department of Anaesthesia, Herlev and Gentofte Hospital, University of Copenhagen, <sup>2</sup>Cochrane Emergency and Critical Care, <sup>3</sup>Cochrane Anaesthesia, Cochrane, Herlev, <sup>4</sup>The Neuroscience Centre, Rigshospitalet, Copenhagen University Hospital, Copenhagen, <sup>5</sup>Department of Hematology, Herlev and Gentofte Hospital, University of Copenhagen, Herlev, Denmark, <sup>6</sup>Assistance Publique-Hôpitaux de Paris (AP-HP), SAMU (Service d'Aide Médicale Urgente) de Paris, Hôpital Universitaire Necker-Enfants Malades, <sup>7</sup>Institut national de la santé et de la recherche médicale (Inserm) U970, Paris-Centre de recherche Cardiovasculaire(PARCC), Université Paris Descartes, <sup>8</sup>Cochrane Pre-hospital and Emergency Care Field, Cochrane, Paris, France

## INTENSIVE CARE MEDICINE

28<sup>TH</sup> AUGUST 14.00-15.15 – ROOM: LUMBYE

## ABSSUB-109

### Effect Of Non-Sedation On Posttraumatic Stress And Mental Health

Helene K. Nedergaard<sup>\*1, 2</sup>, Mette Stylsvig<sup>3</sup>, Hanne I. Jensen<sup>1</sup>, Hanne T. Olsen<sup>2, 4</sup>, Thomas Strøm<sup>4</sup>, Palle Toft<sup>2, 4</sup>

<sup>1</sup>Department of anaesthesiology and intensive care, Lillebaelt Hospital, Kolding, Kolding, <sup>2</sup>Institute of clinical research, University of Southern Denmark, <sup>3</sup>Clinic of Neuropsychology, <sup>4</sup>Department of anaesthesiology and intensive care, Odense University Hospital, Odense, Denmark

## ABSSUB-119

### Nonsedation And Co-Occurrence Of Post Intensive Care Syndrome-Symptoms

Helene K. Nedergaard<sup>1,2</sup>, Trine Haberlandt<sup>1</sup>, Hanne I. Jensen<sup>1,3</sup>, Palle Toft<sup>2,4</sup>

<sup>1</sup>Department of Anesthesiology and Intensive Care, Lillebaelt Hospital, Kolding, Kolding, <sup>2</sup>Department of Clinical Research,

<sup>3</sup>Department of Regional Health Research, University of Southern Denmark, <sup>4</sup>Department of Anesthesiology and Intensive Care, Odense University Hospital, Odense, Denmark

## ABSSUB-164

### How Do We Treat Septic Shock In Children In The Nordic Countries?

Tomas Luther<sup>1,2</sup>, Anders Hedegaard Clausen<sup>1,3</sup>, Åsa Östlund<sup>1,4</sup>, Till Rudolph<sup>1,5</sup>, Carmen Garcia<sup>1,2</sup>, Gunnar Bentsen<sup>1,6</sup>, Theódór Sigurðsson<sup>1,7</sup>

<sup>1</sup>SSAI Inter-Nordic fellowship in paediatric anaesthesia & intensive care medicine 2017-19, -, <sup>2</sup>Anesthesia and Intensive Care, Akademiska Sjukhuset, Uppsala, Sweden, <sup>3</sup>Anestesiologisk, Intensiv Afd. V, U/NIA, Odense University Hospital, Odense, Denmark, <sup>4</sup>Anestesi och Intensivvård, Astrid Lindgrens Barnsjukhus, Stockholm, <sup>5</sup>Anestesi och Intensivvård, Sahlgrenska Universitetssjukhuset, Göteborg, Sweden, <sup>6</sup>Dept. of Anaesthesiology, Oslo University Hospital – Rikshospitalet, Oslo, Norway, <sup>7</sup>Anesthesia and Intensive Care, Landspítali, Reykjavik, Iceland

## ABSSUB-177

### Doctors' Preferences Comply With Observed Oxygenation Levels

Olav L. Schjørring<sup>1,2</sup>, Aksel K. G. Jensen<sup>3,4</sup>, Claus G. Nielsen<sup>5</sup>, Andrei Ciubotariu<sup>6</sup>, Anders Perner<sup>7</sup>, Jørn Wetterslev<sup>8</sup>, Theis Lange<sup>3,9</sup>, Bodil S. Rasmussen<sup>1,2</sup>

<sup>1</sup>Department of Anaesthesia and Intensive Care Medicine, Aalborg University Hospital, <sup>2</sup>Department of Clinical Medicine, Aalborg University, Aalborg, <sup>3</sup>Section of Biostatistics, University of Copenhagen, Copenhagen, Denmark, <sup>4</sup>Department of Biostatistics, University of California, Berkeley, San Francisco, United States, <sup>5</sup>Department of Clinical Biochemistry, Aalborg University Hospital, Aalborg, <sup>6</sup>Department of Anaesthesia and Intensive Care Medicine, North Denmark Regional Hospital, Hjørring, <sup>7</sup>Department of Intensive Care, <sup>8</sup>Copenhagen Trial Unit, Centre for Clinical Intervention Research, Department 7812, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark, <sup>9</sup>Center for Statistical Science, Peking University, Beijing, China

## ABSSUB-179

### Icu-Acquired Pneumonia – Early Detection Of An Infectious Outbreak

Kristinn O. Sverrisson<sup>1</sup>, Edda Vesteynsdottir<sup>1</sup>, Kristinn Sigvaldason<sup>1</sup>, Gisli H. Sigurdsson<sup>1,2</sup>, Sigurbergur Karason<sup>1,2</sup>

<sup>1</sup>Department of Anaesthesia and Intensive Care, Landspítali – The National University Hospital of Iceland, <sup>2</sup>Faculty of Medicine, School of Healthcare, University of Iceland, Reykjavík, Iceland

## ABSSUB-200

### Prolonged Elevation Of Hmgb1 After Intensive Care

Emily Brück<sup>1</sup>, April Caravaca<sup>2</sup>, Alessandro Gallina<sup>2</sup>, Ulf Andersson<sup>2</sup>, Michael Eberhardson<sup>2</sup>, Peter Sackey<sup>1</sup>, Peder S. Olofsson<sup>2</sup>

<sup>1</sup>Physiology and Pharmacology, <sup>2</sup>Medicine, Solna, Sweden

## ABSSUB-219

### Temporal Trends In Cardiogenic Shock After Acute Myocardial Infarction

Ole K. L. Helgestad<sup>1</sup>, Jakob Josiassen<sup>2</sup>, Christian Hassager<sup>2</sup>, Lisette O. Jensen<sup>1</sup>, Lene Holmvang<sup>2</sup>, Anne Sørensen<sup>1</sup>, Martin Frydland<sup>3</sup>, Annmarie T. Lassen<sup>4</sup>, Nanna L. J. Udesen<sup>1</sup>, Henrik Schmidt<sup>5</sup>, Jacob E. Møller<sup>1</sup>, Hanne B. Ravn<sup>6</sup>

<sup>1</sup>Cardiology, Odense University Hospital, Odense, <sup>2</sup>Cardiology, Rigshospitalet, <sup>3</sup>Cardiology, Hvidovre Hospital, Copenhagen, <sup>4</sup>Emergency medicine, <sup>5</sup>Cardiothoracic anaesthesia, Odense University Hospital, Odense, <sup>6</sup>Cardiac anaesthesiology, Rigshospitalet, Copenhagen, Denmark

## ABSSUB-253

### Mild Stage 1 Post-Operative Acute Kidney Injury And Long-Term Outcomes

Thorir E. Long<sup>1,2</sup>, Dadi Helgason<sup>1,2</sup>, Solveig Helgadóttir<sup>3</sup>, Gisli H. Sigurdsson<sup>2,4</sup>, Runolfur Palsson<sup>1,2,5</sup>, Martin I. Sigurdsson<sup>2,4</sup>, Olafur S. Indridason<sup>1,5</sup>

<sup>1</sup>Internal Medicine, Landspítali University Hospital, <sup>2</sup>Faculty of Medicine, University of Iceland, Reykjavik, Iceland, <sup>3</sup>Department of Anesthesia and Intensive Care, Akademiska University Hospital, Uppsala, Sweden, <sup>4</sup>Divisions of Anesthesia and Intensive Care Medicine, <sup>5</sup>Division of Nephrology, Landspítali University Hospital, Reykjavik, Iceland

## ABSSUB-257

### Capacity Of Intensive Care Unit Effect On Mortality Or Readmission

Steffen K. A. Pedersen<sup>1</sup>, Jens Schierbeck<sup>2</sup>, Thomas Strøm<sup>2</sup>

<sup>1</sup>AOA, SVS Esbjerg, Esbjerg, <sup>2</sup>Department of Intensive Care Medicine, Odense University Hospital, Odense, Denmark

## AIRWAY MANAGEMENT AND ULTRASOUND

29<sup>TH</sup> AUGUST 14.45-15.55 – ROOM: VANDSALEN

## ABSSUB-134

### The Cricothyrotomy Kit Dump Sheet-A Cognitive Aid-Preliminary Results

Joerg C. Schaeuble<sup>1</sup>

<sup>1</sup>Institute of Anaesthesiology and Pain Medicine, Kantonsspital, Winterthur, Switzerland

## ABSSUB-138

### Novel Ultrasound Techniques For Prediction Of Acute Kidney Injury

Johan F. Hermansen<sup>1</sup>, Arne Hørlyck<sup>2</sup>, Dorthe V. Nielsen<sup>1</sup>, Peter Juhl-Olsen<sup>1</sup>

<sup>1</sup>Department of Anesthesiology, <sup>2</sup>Department of Radiology, Aarhus University Hospital, Aarhus, Denmark

## ABSSUB-142

### The Effects Of Fiberoptic-Guided Advance Of Double-Lumen Tube

Dongsik Lim<sup>1</sup>, Jin-Woo Park<sup>1</sup>, Jin Hyoung Park<sup>1</sup>, Yu Kyung Bae<sup>1</sup>, Jin-Hee Kim<sup>1</sup>

<sup>1</sup>Seoul National University Bundang Hospital, Seongnam, Korea, Republic Of

## ABSSUB-158

### The Clinical Efficacy Of Midline Catheters For Intravenous Therapy

Emma Bundgaard<sup>1</sup>, Louise Antonsen<sup>1</sup>, Peter Juhl-Olsen<sup>2</sup>

<sup>1</sup>Anaesthesiology, <sup>2</sup>Anesthesiology, Aarhus University Hospital, Aarhus, Denmark

## ABSSUB-163

### Non-Intubated Video-Assisted Thoracic Surgery Managed Successfully

Yoko Fujita<sup>1</sup>, Naoko Ko<sup>1</sup>, Makiko Kora<sup>1</sup>, Junichiro Yokoyama<sup>1</sup>, Eriko Morimoto<sup>1</sup>

<sup>1</sup>Shizuoka General Hospital, Shizuoka City, Japan

## ABSSUB-175

### Using Longitudinal Wall Fractional Shortening To Predict Strain

Patrik V. Blixt<sup>1</sup>, Rasmus Åhman<sup>1</sup>, Meriam Åström Aneq<sup>1</sup>, Jan Engvall<sup>1</sup>, Michelle Chew<sup>1</sup>

<sup>1</sup>Linköping Universitet, Linköping, Sweden

## ABSSUB-186

### Ketamine For Rapid Sequence Intubation In Trauma Patients

Josefine S. Baekgaard<sup>1,2</sup>, Trine G. Eskesen<sup>1,2</sup>, Jae Moo Lee<sup>2</sup>, Camilla I. Ottosen<sup>1</sup>, Katrine B. Gyldenkaerne<sup>1</sup>, Jasmin Garoussian<sup>1</sup>, Rasmus E. Christensen<sup>1</sup>, David R. King<sup>2</sup>, George C. Velmahos<sup>2</sup>, Lars S. Rasmussen<sup>1</sup>, Jacob Steinmetz<sup>1</sup>

<sup>1</sup>Anesthesia, Center of Head and Orthopedics, Rigshospitalet, Copenhagen, Denmark, <sup>2</sup>Department of Trauma, Emergency Surgery & Surgical Critical Care, Massachusetts General Hospital, Harvard University, Boston, United States

## ABSSUB-189

### Development And Assessment Of A Prehospital Breathing Difficulty Scale

Tim A. Lindskou<sup>1</sup>, Ulla M. Weinrich<sup>2</sup>, Birgitte S. Laursen<sup>3</sup>, Erika F. Christensen<sup>1</sup>

<sup>1</sup>Centre for Prehospital and Emergency Research, Department of Clinical Medicine, Aalborg University, <sup>2</sup>Department of Respiratory Diseases, Aalborg University Hospital, <sup>3</sup>Department of Clinical Medicine, Aalborg University, Aalborg, Denmark

## ABSSUB-240

### Hemodynamic Assessment Of Left Atrial Function In Mitral Regurgitation

Tomas Tencer<sup>1</sup>, Rine Bakkestrøm<sup>2,3</sup>, Ann Banke<sup>2</sup>, Jacob E. Møller<sup>2,3</sup>

<sup>1</sup>Anesthesiology and Intensive Care, <sup>2</sup>Department of Cardiology, <sup>3</sup>OPEN, Odense Patient data Explorative Network, Odense University Hospital, Odense, Denmark

## OBSTETRIC ANAESTHESIA AND CASE REPORTS

29<sup>TH</sup> AUGUST 14.45-15.55 – ROOM: TIVOLI CONGRESS HALL

## ABSSUB-157

### Is Epidural Labour Analgesia An Independent Risk Factor For Fever?

Sanne V. Nielsen<sup>1</sup>, Christina Frøslev-Friis<sup>2</sup>

<sup>1</sup>Dept. of Anaesthesia, Sydvestjysk Sygehus, Esbjerg, <sup>2</sup>Dept. of anaesthesia, Sygehus Sønderjylland, Aabenraa, Denmark

## ABSSUB-162

### Parturient With Hereditary Neuropathy With Liability To Pressure Palsy

Ioannis Soumpasis<sup>1</sup>, Håkan Rolfsson<sup>1</sup>

<sup>1</sup>Anesthesia and Intensive Care, Södersjukhuset, Stockholm, Sweden

## ABSSUB-184

### Successful Labour Epidural Top Up In Immediate Caesarean Deliveries

Tone Bolstad<sup>1</sup>, Elin Bjørnstad<sup>1</sup>

<sup>1</sup>Haukeland University Hospital, Bergen, Norway

## ABSSUB-201

### Sepsis, Pregnancy And Myotonic Dystrophy Type 1: A Case Report

Hannah M. Lafrenz<sup>1</sup>

<sup>1</sup>Dept of Anaesthesia and Intensive Care, Södra Älvsborgs Sjukhus, Borås, Sweden

## ABSSUB-203

### Case Report: Peripartum Liver Failure – A Diagnostic Challenge

Antti Laine<sup>1</sup>, Johanna Sarvela<sup>1</sup>

<sup>1</sup>Department of Anaesthesiology, Intensive care and Pain medication, Helsinki University Central Hospital, Helsinki, Finland

## ABSSUB-209

### Pregnant Women With Mitral Valve Stenosis. Case Report

Greta Skou<sup>1</sup>, Peter Møller Eggertsen<sup>1</sup>, Niels H. Andersen<sup>2</sup>

<sup>1</sup>Anesthesiology, <sup>2</sup>Cardiology, Aalborg University Hospital, Aalborg, Denmark

## ABSSUB-212

### Epidural Analgesia For Labor Pain – Current Practice In Denmark

Janne Lund-Olesen<sup>1</sup>

<sup>1</sup>Department of Anesthesiology and Intensive Care, Viborg Regional Hospital, Viborg, Denmark

## ABSSUB-235

### Spinal Block For Labor Analgesia In Seinäjoki Central Hospital

Kati M. Kähkönen<sup>1</sup>

<sup>1</sup>Anesthesia, Seinäjoki central Hospital, Seinäjoki, Finland

## ABSSUB-238

### Obstetric Anaesthesia To Parturient With Heart Transplant

Niclas Carlberg<sup>1,2</sup>

<sup>1</sup>Anestesi och Intensivvård, Sahlgrenska Universitetssjukhuset Östra, <sup>2</sup>Anestesi och Intensivvård, VSSAI-program in Obstetric Anaesthesia, Göteborg, Sweden

## PAIN

28<sup>TH</sup> AUGUST 14.00-15.15 – ROOM: CARSTENSEN

## ABSSUB-150

### High Vs Low Dose Dexamethasone For Complications After Mastectomy

Kristin J. Steinthorsdottir<sup>1,2</sup>, Hussein N. Awada<sup>1</sup>, Henrik Kehlet<sup>2</sup>, Eske K. Aasvang<sup>1</sup>

<sup>1</sup>Anesthesiology, Centre of Cancer and Organ Diseases, <sup>2</sup>Surgical Pathophysiology, Rigshospitalet, Copenhagen, Denmark

## ABSSUB-202

### Cognition In Patients With Chronic Pain During Opioid Reduction

Jens P. Laigaard<sup>1</sup>, Cilia K. W. Kjer<sup>1</sup>, Stefan Stottmeier<sup>2</sup>, Nina J. Bache<sup>3</sup>, Ole Mathiesen<sup>1,4</sup>, Stine Estrup<sup>1</sup>

<sup>1</sup>Centre for Anaesthesiological Research (CAR), Dept. of Anaesthesiology, Zealand University Hospital, Køge,

<sup>2</sup>Interdisciplinary Pain Center and Palliative Team, Dept. of Anaesthesiology, Holbæk Sygehus, Holbæk, <sup>3</sup>Interdisciplinary Pain Center, Dept. of Anaesthesiology, Zealand University Hospital, Køge, <sup>4</sup>Dept. of Clinical Medicine, University of Copenhagen, Copenhagen, Denmark

## ABSSUB-215

### Prolonged Opioid-Use After Planned Spinal Surgery: A Prospective Study

Peter Uhrbrand<sup>1</sup>, Peter Helmig<sup>2</sup>, Lone Nikolajsen<sup>1</sup>

<sup>1</sup>Anesthesiology and Intensive Care, <sup>2</sup>Department of Orthopedic Surgery, Aarhus University Hospital, Aarhus, Denmark

## ABSSUB-221

### Accelerating Ambulation And Discharge After Posterior Final Fusion

Bitten Dybdal<sup>1</sup>, Niklas Tøndevold<sup>2</sup>

<sup>1</sup>Unit for Acute Pain Management, Center of Head and Orthopedics, Rigshospitalet, <sup>2</sup>Dept. of Orthopedic Surgery, Rigshospitalet, Copenhagen, Denmark

## ABSSUB-232

### Intraoperative Methadone In Same-Day Hysterectomy: A Study Protocol

Kristian D. Friesgaard<sup>1</sup>, Lone D. Brix<sup>2</sup>, Lone Nikolajsen<sup>1</sup>

<sup>1</sup>Department of Anaesthesiology, Aarhus University Hospital, Aarhus, <sup>2</sup>Department of Anaesthesiology, Horsens Regional Hospital, Horsens, Denmark

## ABSSUB-239

### Waking Up In Pain (Wup)

Anders M. Rasmussen<sup>1</sup>, Eske K. Aasvang<sup>2</sup>

<sup>1</sup>Bedøvelse og Intensiv, Sygehus Lillebælt, Kolding, <sup>2</sup>Abdominalcentret, Rigshospitalet, København, Denmark

## ABSSUB-242

### Intraoperative Methadone And Postoperative Pain: A Systematic Review

Kristian D. Friesgaard<sup>1</sup>, Camilla G. Uhrbrand<sup>1</sup>, Lone D. Brix<sup>2</sup>, Lone Nikolajsen<sup>1</sup>

<sup>1</sup>Anesthesiology, Aarhus University Hospital, Aarhus, <sup>2</sup>Anesthesiology, Horsens Regional Hospital, Horsens, Denmark

## ABSSUB-244

### Chronic Opioid Use After Cardiac Surgery

Kasper Bonnesen<sup>1</sup>, Dorthe V. Nielsen<sup>1</sup>, Lone Nikolajsen<sup>1</sup>, Henrik Bøggild<sup>2</sup>,

Carl-Johan B. Jakobsen<sup>1</sup>

<sup>1</sup>Department of Anaesthesiology and Intensive Care, Aarhus University Hospital, Aarhus, <sup>2</sup>Department of Epidemiology and Biostatistics, Aalborg University Hospital, Aalborg, Denmark

## ABSSUB-249

### Epidural Analgesia During Delivery And Risk Of Persisting Back Pain

Peter S. Thyrrestrup<sup>1</sup>, Sara V. Hald<sup>2</sup>, Charlotte B. Andersson<sup>3</sup>, Søren Kjærgaard<sup>1</sup>

<sup>1</sup>Department of Anesthesiology, <sup>2</sup>Department of Obstetrics, <sup>3</sup>Aalborg University Hospital, Aalborg, Denmark

## ABSSUB-261

### Neuromas As The Cause Of Postamputation Stump And Phantom Pain?

Nina S. Buch<sup>1,2</sup>, Erisela Qerama<sup>3</sup>, Nanna B. Finnerup<sup>2</sup>, Lone Nikolajsen<sup>1</sup>

<sup>1</sup>Department of Anesthesiology and Intensive Care, Aarhus University Hospital, Aarhus N, <sup>2</sup>Danish Pain Research Center, Aarhus University, <sup>3</sup>Department of Neurophysiology, Aarhus University Hospital, Aarhus, Denmark

## PEDIATRIC ANAESTHESIA AND EDUCATION

29<sup>TH</sup> AUGUST 14.45-15.55 – ROOM: CARSTENSEN

## ABSSUB-121

### Predicting The Uncuffed Nasotracheal Tube For Pediatric Patients

Masanori Tsukamoto<sup>1</sup>, Hitoshi Yamanaka<sup>2</sup>, Takashi Hitosugi<sup>2</sup>, Norimasa Awata<sup>2</sup>,

Takeshi Yokoyama<sup>2</sup>

<sup>1</sup>Dental Anesthesiology, Kyushu University Hospital, <sup>2</sup>Dental Anesthesiology, Kyushu University, Fukuoka, Japan

## ABSSUB-130

### The Hippo Study: Blood Pressure During General Anaesthesia In Children

Nicola G. Clausen<sup>1</sup>, Maja Filipovic<sup>2</sup>, Gerrit H. de Pater<sup>3</sup>, Caroline Zickerman<sup>4</sup>, Mogens Ydemann<sup>2</sup>

<sup>1</sup>Anaesthesia and Intensive Care, University Hospital Odense, Odense, <sup>2</sup>Department of Neuroanesthesiology, Rigshospitalet, Copenhagen, Denmark, <sup>3</sup>Department of Anesthesiology, Haukeland University Hospital, Bergen, Norway,

<sup>4</sup>Anesthesia, Operation and Intensive Care Medicine, Skellefteå Hospital, Skellefteå, Sweden

## ABSSUB-143

### Duration Of Action Of Cisatracurium 0.1 Mg/Kg In Children

Matias Vested<sup>1</sup>, Mona Tarpgaard<sup>1</sup>, Kirsten Eriksen<sup>1</sup>, Lars S Rasmussen<sup>1</sup>

<sup>1</sup>Department of Anaesthesia, Centre of Head and Orthopedics, Rigshospitalet, University of Copenhagen, Copenhagen, Denmark

## ABSSUB-147

### Operative A C R M: From Classroom To The Wilderness

Peter Martin Hansen<sup>1</sup>, Jens Stubager Knudsen<sup>1</sup>, Nikolaj Preus Hatting<sup>2</sup>

<sup>1</sup>Danish Air Ambulance, Prehospital Services, Region of Central Denmark, Aarhus, <sup>2</sup>Dept. of Anesthesiology and Intensive Care Medicine, Odense University Hospital, Odense, Denmark

## ABSSUB-166

### Treatment Of Pediatric Crps In Scandinavia And Germany

Anna K. Persson<sup>1,2</sup>, Johanna Broman<sup>3</sup>, Ludwig Hellmund<sup>4</sup>, Cathrine M. Weigel<sup>5</sup>

<sup>1</sup>Department of Clinical Sciences Malmö, Anesthesiology and Intensive Care Medicine, Lund

University, Malmö, <sup>2</sup>Department of Anesthesiology and Intensive Care Medicine Halmstad, Region Halland,

Halmstad, <sup>3</sup>Department of Anesthesiology and Intensive Care Medicine, Region Skåne, Helsingborg, <sup>4</sup>Department of

Anesthesia and intensive Care, Pain Unit, Södertälje Hospital, Södertälje, Sweden, <sup>5</sup>Department of Anaesthesia and Intensive Care, Children's Hospital "Auf der Bult" Hannover, Hannover, Germany

## ABSSUB-193

### Early Extubation In Scandinavian Pediatric Heart Centers

Tapio Koski<sup>1</sup>, Anders B. Bille<sup>2</sup>, Einar Björnsson<sup>3</sup>, Casper Jessen<sup>4</sup>, Ronnie Forstholm<sup>5</sup>,

Juho Keski-Nisula<sup>1</sup>

<sup>1</sup>Department of Anesthesia and Intensive Care, Children's Hospital, Helsinki University Hospital, Helsinki, Finland, <sup>2</sup>Department of

Anesthesiology, Rigshospitalet, Juliane Marie Centre, Copenhagen, Denmark, <sup>3</sup>Department of Anesthesia and Intensive Care,

Queen Silvia's Children's Hospital, Sahlgrenska University Hospital, Gothenburg, Sweden, <sup>4</sup>Department of Anesthesiology,

Oslo University Hospital, Oslo, Norway, <sup>5</sup>Department of Anesthesiology, Skåne University Hospital, Lund, Sweden

## ABSSUB-196

### The Need For Continued Medical Education In Advanced Airway Management

Ebbe L. Bessmann<sup>1,2</sup>, Lars S. Rasmussen<sup>2,3</sup>, Lars Konge<sup>1,2</sup>, Michael S. Kristensen<sup>3</sup>, Mikael

Rewers<sup>1</sup>, Doris Østergaard<sup>1,2</sup>

<sup>1</sup>Copenhagen Academy for Medical Education and Simulation (CAMES), <sup>2</sup>University of Copenhagen, <sup>3</sup>Department of Anaesthesia, Centre of Head and Orthopaedics, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark

## ABSSUB-208

### Paediatric Regional Anaesthesia. An E-Learning Programme

Christian Bergek<sup>1</sup>, Camilla R. Qvigstad<sup>2</sup>, Andrea Greiner<sup>3</sup>, Morten E. Sonne<sup>4</sup>, Jane Andersen<sup>5</sup>

<sup>1</sup>Department of Anaesthesiology and Intensive Care, Queen Silvia's Paediatric Hospital, Gothenburg, Sweden,

<sup>2</sup>Department of Anaesthesiology and Intensive Care, Akershus University Hospital / Oslo University Hospital, Rikshospitalet,

Oslo, Norway, <sup>3</sup>Department of Anaesthesiology and Intensive Care, Graz University Hospital, Graz, Austria, <sup>4</sup>Department of

Anaesthesiology and Intensive Care, Rigshospitalet, Copenhagen, <sup>5</sup>Department of Anaesthesiology and Intensive Care, Odense University hospital, Odense, Denmark

## ABSSUB-233

### A Survey On The Use Of Video Laryngoscopy In Paediatric Anaesthesia

Lasse P. Malver<sup>1</sup>, Timo Asikainen<sup>2</sup>, Johan Nordström<sup>3</sup>, Maria Urdzikova<sup>4</sup>, Henrik N. Vestøl<sup>5</sup>

<sup>1</sup>Department of Anaesthesia and Intensive Care, Aalborg University Hospital, Aalborg, Denmark, <sup>2</sup>Department of

Anaesthesiology and Intensive Care, Kuopio University Hospital, Kuopio, Finland, <sup>3</sup>Department of Intensive and Perioperative

Care, Skåne University Hospital, Malmö, <sup>4</sup>Department of Anaesthesia and Intensive Care, Uppsala University Hospital,

Uppsala, Sweden, <sup>5</sup>Department of Anaesthesia and Intensive Care, Oslo University Hospital – Rikshospitalet, Oslo, Norway

# INFORMATION TO PRESENTERS

## ORAL PRESENTATIONS

Speakers have to provide their presentations in the Speakers' Preview Room located in room Akvariet 1 on the ground floor. This has to be done no later than two hours before the scheduled time of the session.

## SPEAKERS' PREVIEW ROOM OPENING HOURS

Wednesday 28 <sup>th</sup> August	9.00-16.00
Thursday 29 <sup>th</sup> August	8.30-15.00
Friday 30 <sup>th</sup> August	8.30-15.00

## ABSTRACT PRESENTATIONS

Posters will be displayed during the entire congress in the back of the Main Congress Hall. Posters are arranged by topic.

Moderated poster Walks are scheduled during the lunch breaks 29<sup>th</sup> and 30<sup>th</sup> August in that area. Posters should be constructed in portrait format to a maximum size of 90 cm (width) x 150 cm (height).

Oral presentation of abstracts takes place in the lecture rooms on 28<sup>th</sup> August 14.00-15.15 and on 29<sup>th</sup> August 14.45-15.55 with 5-minute oral presentations (Power Point, max 5 slides). The Acta best abstract competition is 29<sup>th</sup> August 10.30-11.45 where each presenter will have 10 minutes for their oral presentation.

Please see list of abstracts in the back of the programme and the full abstracts in the congress app and on the website of Acta Anaesthesiologica Scandinavica.

# GENERAL INFORMATION

## VENUE

Tivoli Hotel & Congress Center  
Arni Magnussons Gade 2  
Copenhagen

## CONGRESS SECRETARIAT

SSAI Congress 2019  
c/o MCI Copenhagen A/S  
Email: [ssai2019@mci-group.com](mailto:ssai2019@mci-group.com)  
Phone: + 45 31 54 62 20

## REGISTRATION & INFORMATION DESK OPENING HOURS

Tuesday 27 <sup>th</sup> August	16.00-18.00
Wednesday 28 <sup>th</sup> August	8.00-17.15
Thursday 29 <sup>th</sup> August	8.30-17.15
Friday 30 <sup>th</sup> August	8.30-15.45

## BADGES

Badges must be worn at all times throughout the entire congress and during social events. If you lose your badges a fee of DKK 150 will be charged.

## CME CREDITS & CERTIFICATE OF ATTENDANCE

SSAI Congress 2019 has been accredited with 13 European CME credits (ECMEC<sup>®</sup>s) by the European Accreditation Council for Continuing Medical Education (EACCME<sup>®</sup>). Certificates will be sent after the congress.

## INSURANCE AND LIABILITY

It is recommended that participants obtain adequate cover for travel, health and accident insurance before they depart from their countries. SSAI Congress 2019 and MCI as

organizers cannot accept responsibility for personal injuries, or loss of, or damage to, private property belonging to the congress participants and accompanying persons.

## WIFI

There is free WIFI at the Tivoli Congress Center. Code: [tivolihotel](http://tivolihotel)

## CONGRESS APP

Download the app by scanning this QR code or search for SSAI Congress in your App store/Google Play.



## USEFUL LINKS

Plan your travel by public transportation: Journey Planner (Rejseplanen): [www.journey-planner.dk](http://www.journey-planner.dk) (ENG) / [www.rejseplanen.dk](http://www.rejseplanen.dk) (DK)

Tourist in Copenhagen: [www.visitcopenhagen.dk](http://www.visitcopenhagen.dk)



# SOCIAL EVENTS



## WELCOME RECEPTION

**28<sup>TH</sup> AUGUST - 17.30-19.30**

Copenhagen City Hall, City Hall Square

The city of Copenhagen invites the participants of the SSAI Congress 2019 to a welcome reception at the Copenhagen City Hall where the famous City Hall Pancakes will be served.

Within walking distance.

Participation is free of charge but registration is mandatory.



## GET-TOGETHER FOR NYA - NORDIC YOUNG ANAESTHESIOLOGISTS 28<sup>TH</sup> AUGUST - 21.00

Taphouse, Lavendelstræde 15, 1462 Copenhagen

No registration needed



## CONGRESS DINNER

**29<sup>TH</sup> AUGUST - 19.00-23.00**

Restaurant Påfuglen, Tivoli Gardens, Vesterbrogade 3

The congress dinner will take place in the beautiful Tivoli Gardens situated in the very centre of Copenhagen. You are welcome to enter the garden before the dinner and take a walk on your own. The venue of the dinner is the classic Restaurant Påfuglen close to the main entrance.

Price: DKK 930

Included in the price:

Entrance to the Tivoli Gardens, welcome drink, 3-course dinner, wine and coffee.

Within walking distance.

## BRING YOUR RUNNING GEAR!

We are happy to pass on an invitation from Mikkeller Running Club (MRC) to all participants in SSAI Congress 2019!

On Thursday August 29th you are invited to a morning run of 5 or 10 km (whichever distance you prefer) guided by Mikkeller Running Club. We will meet in the lobby of Tivoli Congress Center at 7.00 am and you will be back at the hotel at 8.30 am.

During the congress you can register for the event at the Registration Desk of the Tivoli Congress Center.

Mikkeller Running Club Mikkeller Running Club exists purely to offer an opportunity for like-minded runners to exercise together in a group and nothing more.

Every person attending must take full and complete responsibility for their own actions. Know your limits.



## FANCY A MORNING SWIM?

On hot days, Copenhageners swim with the city's skyline in free view.

Harbour bath Fisketorvet has three separate pools: a children's pool, a diving pool (5 meters deep with a 1-meter, a 2-meter, and a 3-meter diving board), and swimming pool (5 meters deep).

On Friday August 30th we will meet in the lobby of Tivoli Congress Center at 7.00 am and from here you will be escorted across the street to the Harbour bath Fisketorvet. You will be back at the hotel no later than 8.00 am.

During the congress you can register for the event at the Registration Desk of the Tivoli Congress Center.

The quality of the water is checked daily.

Swimming in Copenhagen's harbour is only permitted within the harbour baths and established bathing zones. Every person attending must take full and complete responsibility for their own actions.



# INDUSTRY SPONSORED SYMPOSIA

## MICREL INDUSTRY SYMPOSIUM

Wednesday August 28<sup>th</sup> 2019

11.30-12.45. Room: Vandsalen

**Opioid sparing analgesia: Optimizing pain management and practices**

Chair: *Professor Audun Stubhaug, Oslo University Hospital, Norway*

### PROGRAMME:

11.30 – **Welcome and Introduction**

*Professor Audun Stubhaug*

Oslo University Hospital, Norway

11.35 – **Regional Analgesia: the cornerstone of opioid sparing analgesia**

*Professor Xavier Capdevila,*

Lapeyronie University Hospital Montpellier,

France

11.55 – **Optimized pain treatment for patients undergoing orthopedic and plastic surgery**

*MD PhD Axel Sauter,*

Oslo University Hospital, Norway

12.10 – **The opioid sparing effect of The Transmuscular Quadratus Lumborum Block**

*MD Mette Dam,*

Sjællands Universitetshospital, Roskilde

Denmark

12.25 – **Discussions and panel**

12.40 – **Conclusion**

## GE HEALTHCARE INDUSTRY SYMPOSIUM

Thursday August 29<sup>th</sup> 2019

10.30-11.45. Room: Vandsalen

**New Perspectives on Personalized Automated Low Flow Anesthesia and Intra Hospital Transport Monitoring**

Chair: *Associate Professor Eske Kvanner Aasvang, Rigshospitalet, Copenhagen University, Denmark*

### PROGRAMME:

QUICK PICKS AND BEYOND:

**Towards Personalized Automated Low Flow Anesthesia.**

*Dr. Hendrickx, OLV Hospital, Aalst, Belgium*

INTRA HOSPITAL PATIENT TRANSPORT AND BEYOND:

**Importance of continuous Hemodynamic Monitoring – Observations from OR and ICU perspective.**

*Professor Steinfeldt, Diakonie-Klinikum*

Schwäbisch Hall, Germany

## EDWARDS INDUSTRY SYMPOSIUM

Thursday August 29<sup>th</sup> 2019

13.00-14.15. Room: Vandsalen

**Building the future of hemodynamic monitoring**

### PROGRAMME:

**Physiological mechanism underlying hypotension**

*Professor Thomas Scheeren*

**Perioperative hemodynamic monitoring – rationale behind fluid therapy and hypotension management**

*Professor Christer Svensén*

**Intraoperative hypotension – is there value in predictive monitoring?**

*Professor Michelle Chew*

## MUNDIPHARMA INDUSTRY SYMPOSIUM

Friday August 30<sup>th</sup> 2019

10.30-11.45 Room: Vandsalen

**RETHINKING PATIENT CENTERED PAIN MANAGEMENT**

**Alternatives in trauma care**

### PROGRAMME:

10.30 – **Welcome and Introduction**

*Professor Maaret Castrén, Chair*

10.35 – **Patient outcomes related to inadequate trauma pain management**

Short and long term consequences

*Professor Maaret Castrén, Chair*

10.55 – **Optimizing pain management while minimizing opioid use**

A practical approach with tips and tricks

*Chief Physician Søren Walther-Larsen*

11.15 – **An innovative breakthrough in trauma pain management**

Penthrox® – a non-opioid treatment for moderate to severe pain

*Professor Paul Middleton*

11.40 – Q and A

All



# EXHIBITORS



WORKING TO SAVE LIVES





**Baxter**

**PrisMax**

ACUTE CARE SYSTEM



WHAT IF  
YOU COULD MAXIMISE

TREATMENT?  
CONFIDENCE?  
SIMPLICITY?  
EFFICIENCY?  
ACCURACY?  
SERVICE?  
TRAINING?



#### THE PRISMAX SYSTEM

The **PrisMax** system with the optional Auto-Effluent Drain Accessory eliminates the need to change effluent bags during CRRT, freeing up nursing time and enabling more time for patient care!<sup>1,2,3,4</sup>

#### MAKING TREATMENT DELIVERY MORE EFFICIENT

The unique Auto-Effluent Drain Accessory is designed to reduce treatment interventions, freeing up valuable therapy time<sup>2,\*</sup>

- Save an average of more than 30 minutes<sup>2,\*</sup>
- Gain up to 30 minutes additional therapy time<sup>2,\*</sup>
- Bag changes may be reduced by 60%<sup>2,\*</sup>

Learn much more about the **PrisMax** system

**VISIT US AT BOOTH 40**

\* Based on data from a pilot evaluation of 305 treatments with the **PrisMax** system at eight ICUs in six countries.

1. Baxter – PrisMax Operator Manual\_English\_ROW\_AW8005 Rev A Nov2018. 2. Baxter – PrisMax Limited Controlled Distribution Report #ER6877 Rev A. Data on file. 2018. 3. Broman M, Bell M, Joannes-Boyou O, Ronco C, *The Novel PrisMax Continuous Renal Replacement Therapy System in a Multinational, Multicentre Pilot Setting*. Blood Purif 2018;;220-227. 4. Baxter - AE tubing specification M6013-XX.

For more information, please speak with a Baxter representative or visit [www.baxter.com](http://www.baxter.com).

**For safe and proper use of products mentioned herein, please refer to the appropriate Operators Manual or Instructions for Use.**

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