



BeSARPP

BeSARPP Graduation Day

10 June 2023



Programme

UCLouvain Brussels

BeSARPP 2023 Board

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Welcome Address

Dear Colleagues,

The Belgian Society of Anesthesiology, Resuscitation, Perioperative Medicine and Pain management welcomes you to the **2023 Graduation Day** on **Saturday, 10 June**.

The BeSARPP, the society that promotes Anesthesiology as a medical science, organises this day to honour the enthusiasm and commitment of the residents before and during their residency.

On behalf of the BeSARPP board members, we wish you an enjoyable and interesting Graduation Day.

The BeSARPP Board



08.15 Welcome Coffee and Registration

Programme - Best Masterworks

Room A

Chair: Marc Van de Velde

Jury: Marc Coppens, Bjorn Stessel, Marc Van de Velde

08.50 **New ultrasound-guided techniques in chronic pain management: An update**

Janneken Stockman, UGent

09.10 **Fluid co-loading or preloading for the prevention of hypotension during spinal anesthesia for C-section: A narrative review**

Nathalie Decuyper, UZ Leuven

09.30 **Artificial Intelligence in anesthesiology: A narrative review**

Flore Gheysen, UZ Leuven

09.50 **In vitro model of prepaced CO₂ absorber use: Development and testing**

Delphine Verbeke, UZ Leuven

10.10 **Incidence, predictors and vascular sequelae of distal limb ischemia in minimally invasive cardiac surgery with femoral artery cannulation: An observational cohort study**

Ruben Derwael, UZ Leuven

10.30 **Coffee Break**

Chair: Vera Saldien

Jury: Gert-Jan Eerdeken, Vera Saldien, Filip Soetens

11.00 **Minimizing lung injury during laparoscopy in head-down tilt: A physiological cohort study**

Gregory De Meyer, UZA

11.20 **The Tritube for upper airway surgery - A narrative review**

Claire Van Oostende, UZA

11.40 **Bioimpedance Spectrometry: Can we measure a fluid shift in the pediatric surgical patient?**

Simon Stevens, UZA

12.00 **Paediatric perioperative hypersensitivity: The performance of the current consensus formula and the effect of uneventful anaesthesia on serum tryptase**

Nils Vlaeminck, UZA

12.20 **Herpes simplex virus reactivation among severe COVID-19 patients: To treat or not to treat?**

Nathalie Coosemans, UZA

12.40 **Evaluation of safety and systemic exposure to intracameral Mydrane® in pediatric cataract surgery**

Hanne Herbots, UZA

13.00 **Airway management techniques at a university hospital in Belgium, with reference to neuromuscular blocking agents and practices during rapid sequence induction and intubation**

Jolien Leemans, UZA

Programme - Best Masterworks

Room B

Chair: Vera Saldien

Jury: Vera Saldien, David Van Aken, Luc Veeckman

09.10 **Different methods for hepatic flow measurements: A narrative review**

Elise Hente, UGent

09.30 **The use of renal replacement therapy during liver transplantation: Are there any benefits?**

Margo Romont, KU Leuven

09.50 **An observational study of airway management conducted in a university hospital in Belgium, with reference to airway management**

Jasper Mendes, UZA

10.10 **Hemodynamic maintenance with norepinephrine in Caesarean section under spinal anesthesia and its fetal outcome: A systematic review**

Stephanie De Deckere, UZA

10.30 **Coffee Break**

Chair: Mona Momeni
Jury: Alexander Callewaert, Artour Grigorian, Mona Momeni

- 11.00 **Peri-operative use of continuous intravenous lidocaine on postoperative pain - A narrative review**
Hanne Ryckebosch, UZA
- 11.20 **Spinal anesthesia in obstetrics**
Vincent Pirenne, UZ Leuven
- 11.40 **Can my OSA patient be managed within an ERAS protocol?**
Maurits Ramselaar, KU Leuven
- 12.00 **Postoperative delirium and quality of life after transcatheter and surgical aortic valve replacement: A prospective observational study**
Elisabeth Venmans, UZ Leuven
- 12.20 **Dural puncture labor epidural: A 'Hole' lot better? A narrative review of the literature**
Janine Vally, UZ Leuven
- 12.40 **Predictive value of serial SOFA scores for intensive care unit mortality in COVID-19 patients**
Thomas De Ridder, KU Leuven
- 13.00 **Point-of-care heart-type fatty acid binding protein versus high-sensitivity troponin T testing in emergency patients at high risk for acute coronary syndrome**
Sebastiaan Kellens, UZ Leuven

Programme - Best Masterworks

Room C

Chair: Luc Foubert
Jury: Luc Foubert, Raf Jacobs, Fernande Lois

- 09.10 **Postoperative sodium concentrations after cardiac surgery using histidine-tryptophan-ketoglutarate cardioplegia and cardiopulmonary bypass – A retrospective study**
Ylonka Devrieze, UZA
- 09.30 **Use of dexmedetomidine in patients undergoing ambulatory anesthesia: A narrative review**
Lucille Collard, UCLouvain

- 09.50 **Anesthetic management of carcinoid tumor and carcinoid heart disease for non-cardiac surgery - Narrative review and case report**
Kevin Van Ussel, UCLouvain

- 10.10 **The influence of pain catastrophizing, state anxiety, need for information and depression on postoperative pain intensity and functional recovery at home after surgical third molar removal under anesthesia - A prospective observational cohort study**
Sander Kempenaers, UZ Leuven

- 10.30 **Coffee Break**

Chair: Denis Schmartz
Jury: Mary Helen Lauwers, Dieter Mesotten, Denis Schmartz

- 11.00 **Fibrinogen concentrate in the management of postpartum hemorrhage: A narrative review**
Pieter Deceuninck, KU Leuven
- 11.20 **Pharmacological strategies to reduce perioperative anxiety in children - A narrative review**
Dries Knaeps, UZ Leuven
- 11.40 **Regional anaesthesia: What surgical procedures, what blocks and availability of a "block room"?**
Arwien Nanda, UZ Leuven
- 12.00 **A retrospective study on patients with chronic knee pain treated with ultrasound-guided radiofrequency of the genicular nerves (RECORGEN trial)**
Amy Belba, KU Leuven
- 12.20 **The effect of suprainguinal fascia iliaca blocks on morphine use after total hip arthroplasty: A retrospective cohort study**
Anneleen Herijgers, KU Leuven
- 12.40 **Skeletal muscles of patients infected with SARS-CoV-2 develop severe myofiber damage upon one week of Admission on the Intensive Care Unit**
Paul Hendrickx, UZ Leuven

Programme - Best Masterworks

Room D

Chair: Steffen Rex

Jury: Johan Bergmans, Nadia Najafi, Steffen Rex

08.50 **Evaluation of risk prediction model for perioperative respiratory adverse events in pediatric anesthesia**
Alix D'Haene, UZ Gent

09.10 **Additive or synergistic analgesic effect of metamizole on standard pain treatment at home after arthroscopic shoulder surgery - A randomised controlled superiority trial**
Mathieu Lambrechts, UZ Leuven

09.30 **Anesthesiologic management of patients with an opioid use disorder: A narrative review of the literature**
Charlotte Fierens, KU Leuven

09.50 **Recognition and diagnosis of acute type A aortic dissection in a large Belgian referral center - Can we do better?**
Jolien Segers, UZ Leuven

10.10 **The role of supraglottic airway devices for Caesarean section under general anesthesia - A Scoping literature review and focused expert clinical recommendation**
Karen Jansen, UZ Leuven

10.30 **Coffee Break**

Chair: Vincent Bonhomme

Jury: Vincent Bonhomme, Danny Hoogma, Walter Swinnen

11.00 **General anesthesia during mechanical thrombectomy: Towards a new paradigm? A narrative review**
Quentin Sarolea, UCLouvain

11.20 **The erector spinae block**
Charlotte Marguinio, UCLouvain

11.40 **Postoperative stroke: Internal Watershed Infarct**
Benoît Muraille, UCLouvain

12.00 **Coronary artery bypass graft surgery, what is the situation in 2023 concerning the debate about off-pump vs on-pump? Narrative literature review regarding the benefits of the two techniques on mortality and morbidity**
Benoît Delforge, UCLouvain

12.20 **Alpha 2-Agonists in free flaps: A microvascular and inflammatory perspective**
Kilian le Bussy, UCLouvain

12.40 **Toxicity patterns associated with chronic ketamine exposure**
Alexandre Hottat, UCLouvain

13.00 **Rebound pain after regional anesthesia in ambulatory surgery: a narrative review**
Lars Delporte, UZ Leuven

Programme - Best Masterworks

Room E

Chair: Luc Sermeus

Jury: Mary Helen Lauwers, Luc Sermeus, Piet Wyffels

08.50 **Do residents and anesthesiologists adapt the dose of rocuronium according to age and do they predict the train of four percentage adequately at the end of surgery?**
Freya Van Laere, UZ Leuven

09.10 **Severe and acute hypercapnia, secondary to a carbon dioxide and nitrous oxide cylinder inversion error: A case series**
Santhosh Chakurpurakal, UCLouvain

09.30 **Dexmedetomidine as premedication in children: A narrative review**
Niels Logghe, KU Leuven

09.50 **Role of regional anesthesia in Enhanced Recovery After Surgery (ERAS) protocols**
Leander Mancel, UZ Leuven

10.10 **Effect of somatostatin on systemic hemodynamic and hepatic blood flow**
Heleen Thierens, UGent

- 10.30 **Coffee Break**
Chair: Marc Coppens
Jury: Marc Coppens, Michael Vandenheuvel, Jan Vandermeulen
- 11.00 **Protamine titration to optimize heparin antagonization after cardiopulmonary bypass**
Ruben Foubert, UZ Leuven
- 11.20 **The use of analgesics for postoperative pain after discharge from the hospital – A prospective observational study**
Elke Galle, UZ Gent
- 11.40 **Effect of continuous administration of phenylephrine and dobutamine on cerebral oxygenation, as measured with near-infrared spectroscopy**
Vincent Bafort, UZ Gent
- 12.00 **Catheter-based serratus anterior plane block vs. continuous wound infiltration for postoperative pain control following minimally invasive atrioventricular valve surgery: A randomized, prospective trial**
Birgit Vanden Bussche, UGent
- 12.20 **Impact of spinal needle size and design on post-dural puncture headache: A review of literature**
Jasper Van der Auwera

Programme - Best Masterworks

Room F

- Chair: Patrick Wouters
Jury: Annelies Moerman, Martine Neckebroek, Patrick Wouters
- 08.50 **Does the choice of anaesthesia affect cancer? A molecular crosstalk between theory and practice**
Wiebrecht Debel, UGent
- 09.10 **Impact of the COVID-19 pandemic on healthcare workers in the frontline**
Thomas de Gaaij, UGent
- 09.30 **The WHO surgical safety checklist in Belgian hospitals changes in use, knowledge, opinions and perception of pressure among operating room professionals between 2016 and 2021**
Louis Huyghe, UZ Gent

- 09.50 **The quality of recovery-15 score as a patient-reported outcome measure for anesthesia and surgery after total hip and total knee arthroplasty**
Emily Van Hoeylandt, UGent
- 10.10 **The efficacy and safety of polyclinical ketamine infusion therapy in chronic non-oncological pain: A retrospective study**
Arnaud Vallé, UZ Gent
- 10.30 **Coffee Break**

Chair: Luc De Baerdemaeker
Jury: Luc De Baerdemaeker, Xavier Iturriagagoitia Bassas, Annelies Moerman, Patrick Wouters
- 11.00 **Lactate and hyperlactatemia revised: An overview**
Magalie Van Loo, UZ Gent
- 11.20 **Reliability and validity of the Dutch version of the Parents' Postoperative Pain Measure (PPPM-Dv)**
Jana Van Laethem, UZ Gent
- 11.40 **Quality of life in patients undergoing minimally invasive cardiac surgery: A systematic review**
Roxanne Rotiers, UGent
- 12.00 **Trends in age profiles of surgical patients over 5 years in a Belgian tertiary hospital**
Eline Stiers, UGent
- 12.20 **Safety and efficacy of patient controlled analgesia using the Sublingual Sufentanil Tablet System (SSTS) in a fast track rehabilitation program after total knee arthroplasty**
Gert Bearelle, UGent
- 12.40 **A simulation study with Smart Pilot View® to compare dosing adaptations according to age between residents and anaesthesiologists for propofol, sufentanil and sevoflurane**
Pauline Tomassen, UZ Gent
- 13.00 **Measurement difference between non-invasive continuous blood pressure measurement with "ClearSight" and standard intermittent brachial blood pressure in patients with peripheral arterial disease. Are measurement differences influenced by continuous infusion of phenylephrine or dobutamine?**
Martha Wolfskeil, UZ Gent

Chair: Domien Vanhonacker

Jury: Michele Carella, Mona Momeni, Tuna Turgay, Domien Vanhonacker

- 09.00 **Perioperative concentrations of neurofilament light in serum and cognitive trajectories 6 months after cardiac surgery: A secondary analysis of a prospective observational trial**
Charlotte Conreur, UCLouvain
- 09.15 **Assessment of the paratracheal force required to occlude the esophageal: Is there a gender difference?**
Romain Maldague, CHU de Liège
- 09.30 **All about interscalene nerve block**
Nadine Mefleh, HUB
- 09.45 **Has non-COVID-19 Patients' behavior Towards Emergency changed during the COVID-19 outbreak? A severity-based approach**
Charlotte Hayden, UCLouvain
- 10.00 **Spontaneous intracranial hypotension 3 months after vaginal delivery with epidural anesthesia: A case report and narrative review of literature**
Adrien Bottosso, UCLouvain
- 10.15 **Management of dapsone-induced methemoglobinemia in an idiopathic thrombopenic purpura patient during the peri-partum period: A casereport**
Roxane Plumacker, CHU de Liège
- 10.30 **Coffee Break**
- Chair: Luc Foubert
Jury: Michele Carella, Johan De Coster, Luc Foubert
- 11.00 **A Cook airway exchange catheter can play several roles and is not infallible**
Pierre Ista, UCLouvain
- 11.15 **Impact of frailty on morbidity and mortality after emergency laparotomy in elderly patients: A cross-sectional analysis of systematically searched literature**
Quentin Binard, UCLouvain

- 11.30 **Impact of virtual reality hypno-sedation on intraoperative anxiety and overall subjective experience during foot surgery with regional anesthesia: Preliminary results of a randomized clinical trial**
Lorris Ardizzone, CHU de Liège
- 11.45 **Severe hypokalemia and Takotsubo syndrome: A case report and narrative review of literature**
Sophie Grenier, CUSL
- 12.00 **Analysis of NOL index variability: Comparison between OFA and OBA**
Céline Decot, HUB Erasme
- 12.15 **Does baricity of intrathecal bupivacaine influence hemodynamic variations during total knee arthroplasty? A prospective randomized trial**
Victor Neuray, CHU Erasme
- 12.30 **Risk factors and prevention of Spinal Cord Ischemia during endovascular aortic repair: A monocentric registry**
Loïc Douniaux, CHU de Liège
- 12.45 **Safety and reliability of inhalational anesthesia for disaster medicine: The use of the Glostavent-Helix anesthesia machine in Turkey in the aftermath of 2023 earthquake - A case series**
Arthur Bun, UZA
- 13.00 **Analgesia by PCA piritramide vs morphine in patients undergoing laparoscopic gastric bypass surgery. A randomized, double-blind, controlled, non-inferiority clinical trial**
Dorian Van Belle, UCLouvain

Chair: Vincent Bonhomme

Jury: Vincent Bonhomme, Eva Roofthoof, Hervé Vande Eede

09.00 **Detection of electroencephalographic patterns after median nerve stimulation during propofol induced general anesthesia: A prospective interventional cohort study**
Zakaria Cheffi, ULB

09.15 **Comparison of Adductor Canal Block (ACB) with local infiltration anesthesia (LIA) versus LIA alone in Knee Arthroplasty: Impact on pain**
Selçuk Say, ULB

09.30 **Use of the injection pressure monitoring device in the ultrasound guided transversus abdominis plane block**
Sarah Shiba, ULB

09.45 **Postpartum fatigue and pain versus nutritional status, with epidural analgesia**
Maité Beugnies, CHU de Charleroi

10.00 **Evaluation of the predictive value of the shock index in obstetrics**
Marie Delmas, CHU de Charleroi

10.15 **Virtual Reality simulation for teaching and assessment of ultrasound guided peripheral regional anesthesia**
Arthur Niemants, UCLouvain

10.30 **Coffee Break**

Chair: Luc Sermeus

Jury: Luc Sermeus, Tuna Turgay, Domien Vanhonacker

11.00 **Unexpected factor XI deficiency during a coronary artery bypass graft surgery: A case report**
Cecile Bollette, ULiège

11.15 **Serial measurement of circulating calprotectin as a prognostic biomarker in COVID-19 patients in intensive care setting**
Mathias Van Nieuwenhove, OLV Aalst

11.30 **Study of the hypnotic effect of magnesium using the spectral entropy of the electroencephalogram during total intravenous general anesthesia: A randomized double-blind placebo-controlled clinical trial**
Gauthier Vanmunster, CHU de Liège

11.45 **High-frequency jet ventilation in adult surgery: A narrative review of non-ENT applications**
Rebecca Bibombe, CHU UCL Namur

12.00 **Comparison between periarticular infiltration, pericapsular nerve group and suprainguinal fascia iliaca blocks on postoperative functional recovery in total hip arthroplasty: Preliminary results from a randomized controlled clinical study**
Elise Saint-Clair, ULiège

Closing Ceremony

Room A

13.05 **BAPA - BSAR - BVAR - BARA Presentations**

13.20 **Prizes Distribution**

13.35 **Lunch**

NOTES

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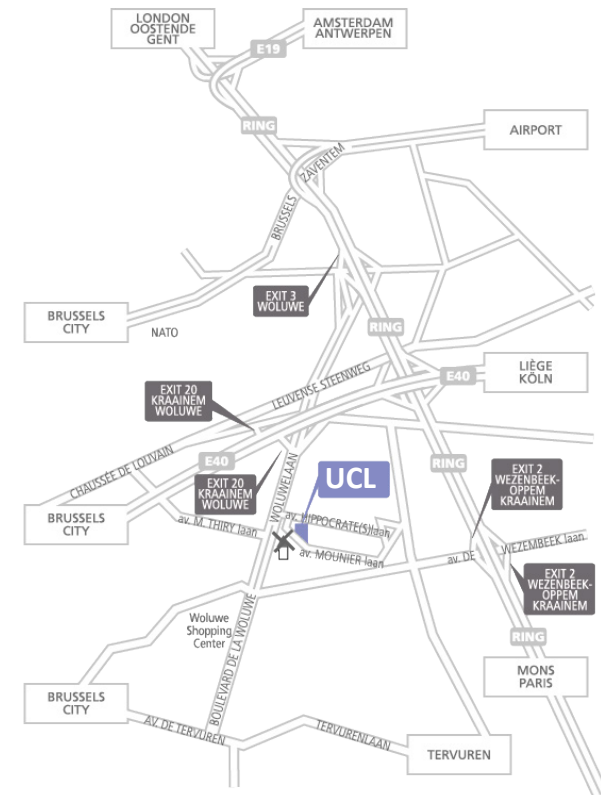
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BeSARPP

ANNUAL MEETING

**THE FAITH OF
PERIOPERATIVE
CARE**

**SQUARE
BUSINESS
CONVENTION
CENTRE**

**17 - 18
NOVEMBER
2023**



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