

International Society for Anaesthetic Pharmacology October 13, 2023 – Hilton Union Square, San Francisco, CA

Poster Presentations Annual Meeting 1500-1630

(#1) The Contribution of Gap Junction and Claustal Dysfunction to General Anesthesia

Presenting Author: Cameron Bosinski, MD, Brigham and Women's Hospital **Co-Author:** Christopher Connor, MD, Brigham and Women's Hospital, Boston, MA, USA

(#2) Pharmacokinetics and pharmacodynamics of remimazolam for procedural sedation in children and adolescents

Presenting author: Michel M.R.F. Struys^{1,7} **Co-authors:** Pieter J. Colin¹, Keira Mason², RJ Ramamurthi³, Kumar Belani⁴, Lynn Bichajian⁵, Valentin Curt⁵, Jeroen V. Koomen¹, Thomas Stöhr⁶, and Michel M.R.F. Struys^{1,7}; ¹ Department of Anesthesiology, University of Groningen, University Medical Center Groningen, Groningen, The Netherlands., ²Department of Anesthesiology, Boston Children's Hospital, Boston, Massachusetts., ³Department of Anesthesiology, Stanford University Medical Center, Palo Alto, California., ⁴Department of Anesthesiology, University of Minnesota, Minneapolis, Minnesota., ⁵Department of Clinical Drug Development, Eagle Pharmaceuticals, Inc., Woodcliff Lake, New Jersey., ⁶Department of Development and Regulatory Affairs, PAION AG, Aachen, Germany., ⁷Department of Basic and Applied Medical Sciences, Ghent University, Ghent, Belgium

(#3) Human Abuse Potential of HSK3486 Injection in Nondependent, Recreational Central Nervous System Depressant Users: Trial in Progress

Presenting Author: William L. Daley, MD, MPH¹ **Co-Authors:** Ahad Sabet, MD²; Lisa Doria, MS¹; Yu-Ling Lai, MS¹; Rong Zhou, PhD³; ¹Haisco-USA Pharmaceutical Company, Inc., Bridgewater, New Jersey; ²ICON, Salt Lake City, UT; ³Haisco Pharmaceutical Group Co., LTD., Shannan, China ;

(#4) $\Delta 9$ -tetrahydrocannabinol Pharmacokinetics of Inhaled Cannabis Market Products in Occasional and Daily Users

Presenting Author: Thomas K. Henthorn^{1,2} **Co-Authors:**, Michael Kosnett³, George Sam Wang⁴, Greg Dooley⁶, Julia Wrobel³, Sarah Limbacher⁵, Ashley Brooks-Russell⁵ ; ¹Department of Anesthesiology, ²Department of Pharmaceutical Sciences, ³Colorado School of Public Health, ⁴Department of Pediatrics, ⁵Injury and Violence Prevention Center University of Colorado Anschutz Medical Campus and ⁶Department of Environmental and Radiological Health Sciences Colorado State University

(#5) Validating the two-box model: overall fresh gas flow and characteristics of the initial high flow period are both useful markers of volatile anaesthetic consumption.

Presenting Author: R Ross Kennedy^{1,2} **Co-author:** Richard A French¹ ; ¹Christchurch Hospital Te Whatu Ora - Waitaha | Canterbury, Aotearoa New Zealand ²University of Otago – Christchurch, Aotearoa New Zealand

(#6) Can remimazolam become an alternative agent of propofol in orthognathic surgery?

Presenting Author: Kyotaro Koshika, PhD, Tokyo Dental College, Tokyo, Japan

(#7) High Frequency Signals in Frontal Cortex at Loss of Consciousness

Presenting Author: M Bruce MacIver, Anesthesiology, Perioperative and Pain Medicine
Stanford University, Stanford, CA, USA

(#8) Pharmacokinetics of Propofol in Severely Obese Surgical Patients

Presenting author: Johan Raeder^{1,2} **Co-Authors:** Martin Rygh Braathen^{1,2} (first author) Ann E Rigby-Jones³, Olav Spigset^{4,5}, Tom Heier¹; 1. Institute of Clinical Medicine, Faculty of Medicine, University of Oslo, Oslo, Norway 2. Dept. of Anaesthesiology, Division of Critical Care, Oslo University Hospital, Oslo, Norway 3. Peninsula Medical School, University of Plymouth, Plymouth, United Kingdom 4. Dept. of Clinical Pharmacology, St. Olav University Hospital, Trondheim, Norway 5. Dept. of Clinical and Molecular Medicine, Faculty of Medicine and Health Sciences, Norwegian University of Science and Technology, Trondheim, Norway

(#9) Online Exhaled Propofol Monitoring in Normal-weight and Obese Surgical Patients

Presenting Author: Johan Raeder^{1,2} **Co-Authors:** Martin Rygh Braathen^{1,2}, (First Author), Ivan Rimstad², Terje Dybvik² Ståle Nygård³ ; ¹ Institute of Clinical Medicine, Faculty of Medicine, University of Oslo, Oslo, Norway ²Dept. of Anaesthesiology, Division of Critical Care, Oslo University Hospital, Oslo, Norway ³ Dept. of Informatics, Faculty of Mathematics and Natural Sciences, University of Oslo. Oslo Centre for Biostatistics and Epidemiology, University of Oslo, Oslo, Norway

(#10) Exploring The Predictability Of The Decrement Time When Accounting For Interpatient Variability.

Presenting Author: Elie Sarraf, MD, Penn State Health Milton S. Hershey Medical Center, Hersey, PA, USA