



Universiteit
Leiden
The Netherlands

Monitoring anesthesia: Optimizing monitoring strategies to reduce adverse effects of anesthetic drugs on ventilation

Broens, S.J.L.

Citation

Broens, S. J. L. (2020, December 2). *Monitoring anesthesia: Optimizing monitoring strategies to reduce adverse effects of anesthetic drugs on ventilation*. Retrieved from <https://hdl.handle.net/1887/138479>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/138479>

Note: To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/138479> holds various files of this Leiden University dissertation.

Author: Broens, S.J.L.

Title: Monitoring anesthesia: Optimizing monitoring strategies to reduce adverse effects of anesthetic drugs on ventilation

Issue Date: 2020-12-01

ADDENDA



Curriculum Vitae

List of Publications

Curriculum Vitae

Suzanne Broens was born on the 18th of July 1986 in Bayonne, France, daughter to a French mother and a Dutch father. In 1988 the family moved to the Netherlands and in 2001 they moved to Belgium, where she obtained her European Baccalaureate at the European School in Brussels in 2004. She then started to study Medicine at the University of Utrecht and obtained her degree as a Medical Doctor in 2011. Following her first clinical jobs at the Intensive Care Unit of 'Medisch Centrum Alkmaar' in Alkmaar and in the Emergency Department of the 'Hagaziekenhuis' in the Hague, she started her position as an Anesthesiology Trainee under supervision of prof. dr. L.P.H.J. Aarts at 'Leiden Universitair Medisch Centrum' in 2011. In the course of her traineeship, Suzanne became involved in several research projects that culminated in a PhD trajectory under supervision of prof. dr. A. Dahan. Her research was briefly interrupted when she moved to Australia to work in the Intensive Care Unit of Liverpool Hospital in Sydney, Australia in 2017. After her return from Sydney, she concluded her traineeship in 2018. She is currently working as an anesthesiologist at the Antoni van Leeuwenhoek Ziekenhuis in Amsterdam.

List of publications

E Van Dorp, S Broens, H Hakim, E Hekkelman, S Karagozoglu, Z Mzallasi, R Nabbi, A Westgaard, L van Wijngaarden, A Dahan. Ketamine in 20 vragen. Nederlands Tijdschrift voor Anesthesiologie 2014;27: 4-10.

Martini CH, Boon M, Broens SJ, Hekkelman EF, Oudhoff LA, Buddeke AW, Dahan A. Ability of the nociception level, a multiparameter composite of autonomic signals, to detect noxious stimuli during propofol-remifentanil anesthesia. Anesthesiology. 2015 Sep;123(3):524-34.

Boon M, Martini C, Broens S, van Rijnsoever E, van der Zwan T, Aarts L, Dahan A. Improved postoperative oxygenation after antagonism of moderate neuromuscular block with sugammadex versus neostigmine after extubation in 'blinded' conditions. Br J Anaesth. 2016 Sep;117(3):410-1.

Broens SJ, He X, Evley R, Olofsen E, Niesters M, Mahajan RP, Dahan A, van Velzen M. Frequent respiratory events in postoperative patients aged 60 years and above. Ther Clin Risk Manag. 2017 Aug 26;13:1091-1098.

Overdyk FJ, Broens SJL. Continuous Pulse Oximetry Does Not Measure Blood Pressure. Anesth Analg. 2018 Mar;126(3):1089-1090.

Suzanne Broens, Albert Dahan, Monique van Velzen. Recognition of Respiratory Compromise-Related Postoperative Respiratory Events with the Integrated Pulmonary Index Algorithm Respiratory Therapy 2018 Vol 13 No 2 45-47.

Olesen AE, Broens S, Olesen SS, Niesters M, van Velzen M, Drewes AM, Dahan A, Olofsen E. A Pragmatic Utility Function to Describe the Risk-Benefit Composite of Opioid and Nonopioid Analgesic Medication. J Pharmacol Exp Ther. 2019 Nov;371(2):416-421.

Suzanne Broens, Adi Schejter Bar-Noam, Ilya Fine, Louis Shenkman, Monique van Velzen, Marieke Niesters, Albert Dahan. Use of dynamic light scattering for assessing acute pain. Proc. SPIE 11075, Novel Biophotonics Techniques and Applications V, 110750N (22 July 2019).

Meijer FS, Martini CH, Broens S, Boon M, Niesters M, Aarts L, Olofsen E, van Velzen M, Dahan A. Nociception-guided versus Standard Care during Remifentanil-Propofol Anesthesia: A Randomized Controlled Trial. Anesthesiology. 2019 May;130(5):745-755.

Broens SJL, Boon M, Martini CH, Niesters M, van Velzen M, Aarts LPHJ, Dahan A. Reversal of Partial Neuromuscular Block and the Ventilatory Response to Hypoxia: A Randomized Controlled Trial in Healthy Volunteers. *Anesthesiology*. 2019 Sep;131(3):467-476.

Boon M, van Dorp E, Broens S, Overdyk F. Combining opioids and benzodiazepines: effects on mortality and severe adverse respiratory events. *Ann Palliat Med*. 2019 Feb 6. Epub ahead of print.

Suzanne Broens, Albert Dahan & Monique van Velzen. Challenges and Pitfalls With a Randomized Clinical Trial in the Postanesthesia Care Unit. *SAGE Research Methods Cases: Medicine and Health*. 2020.

Suzanne J. L. Broens, Susan A. Prins, Dorinne de Kleer, Marieke Niesters, Albert Dahan, Monique van Velzen. Postoperative respiratory state assessment using the Integrated Pulmonary Index (IPI) and resultant nurse interventions in the postanesthesia care unit: a randomized controlled trial. *J Clin Monit Comput* (2020). <https://doi.org/10.1007/s10877-020-00564-1>.