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Professor of Anesthesiology, Perioperative and Pain Medicine (MSD)

CLINICAL OFFICE (PRIMARY)

- **Anesthesia**

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Bio

CLINICAL FOCUS

- Anesthesia

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Anesthesiology, Perioperative and Pain Medicine

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Anesthesiology Fellowships (1991) CA
- Internship: University Hospital of Leiden (1982) Netherlands
- Medical Education: Rijksuniversiteit Te Utrecht (1981) Netherlands
- Board Certification: Anesthesia, American Board of Anesthesiology (2013)
- Residency: University Hospital of Leiden (1986) Netherlands

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Clinical Pharmacology of Anesthetics

Morbid Obesity

Impedance Cardiography

CLINICAL TRIALS

- Desflurane or Propofol Anesthesia in Elderly Obese Patients Undergoing Total Knee Replacement, Not Recruiting

Publications

PUBLICATIONS

- **The safety and efficacy of the use of the flexible laryngeal mask airway with positive pressure ventilation in elective ENT surgery: a 15-year retrospective single-center study.** *Minerva anesthesiologica*
Nekhendzy, V., Ramaiah, V. K., Collins, J., Lemmens, H. J., Most, S. P.
2017
- **Validation of stroke volume and cardiac output by electrical interrogation of the brachial artery in normals: assessment of strengths, limitations, and sources of error** *JOURNAL OF CLINICAL MONITORING AND COMPUTING*
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2015; 29 (6): 789-800
- **Medical devices for the anesthetist: current perspectives.** *Medical devices (Auckland, N.Z.)*
Ingrande, J., Lemmens, H. J.
2014; 7: 45-53
- **Pharmacology and obesity.** *International anesthesiology clinics*
Lemmens, H. J., Ingrande, J.
2013; 51 (3): 52-66
- **Anesthetic Pharmacology and the Morbidly Obese Patient.** *Current anesthesiology reports*
Ingrande, J., Lemmens, H. J.
2013; 3 (1): 10-17
- **Postoperative Subcutaneous Instillation of Low-Dose Ketorolac But Not Hydromorphone Reduces Wound Exudate Concentrations of Interleukin-6 and Interleukin-10 and Improves Analgesia Following Cesarean Delivery** *JOURNAL OF PAIN*
Carvalho, B., Lemmens, H. J., Ting, V., Angst, M. S.
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- **Individualized Dosing With Anesthetic Agents** *CLINICAL PHARMACOLOGY & THERAPEUTICS*
Lemmens, H. J., Stanski, D. R.
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- **Lean Body Weight Scalar for the Anesthetic Induction Dose of Propofol in Morbidly Obese Subjects** *ANESTHESIA AND ANALGESIA*
Ingrande, J., Brodsky, J. B., Lemmens, H. J.
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- **Comparison between RapidTEG (R) and conventional thromboelastography in cardiac surgery patients** *BRITISH JOURNAL OF ANAESTHESIA*
Thai, J., REYNOLDS, E. J., Natalia, N., Cornelissen, C., Lemmens, H. J., Hill, C. C., van der Starre, P. J.
2011; 106 (4): 605-606
- **Mathematical method to build an empirical model for inhaled anesthetic agent wash-in** *BMC ANESTHESIOLOGY*
Hendrickx, J. F., Lemmens, H., De Cooman, S., van Zundert, A. A., Grouls, R. E., Mortier, E., De Wolf, A. M.
2011; 11
- **Dose adjustment of anaesthetics in the morbidly obese** *BRITISH JOURNAL OF ANAESTHESIA*
Ingrande, J., Lemmens, H. J.
2010; 105: 116-123
- **Vancomycin plasma concentrations in cardiac surgery with the use of profound hypothermic circulatory arrest** *EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY*
van der Starre, P. J., Kolz, M., Lemmens, H. J., Faix, J. D., Mitchell, S., Miller, C.
2010; 38 (6): 741-744
- **The Analgesic and Antihyperalgesic Effects of Transcranial Electrostimulation with Combined Direct and Alternating Current in Healthy Volunteers** *ANESTHESIA AND ANALGESIA*
Nekhendzy, V., Lemmens, H. J., Tingle, M., Nekhendzy, M., Angst, M. S.

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- **Perioperative pharmacology in morbid obesity** *CURRENT OPINION IN ANESTHESIOLOGY*
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- **Intraoperative Fluid Replacement and Postoperative Creatine Phosphokinase Levels in Laparoscopic Bariatric Patients** *OBESITY SURGERY*
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- **Hunter Syndrome in an Adult: Beware of Tracheal Stenosis** *ANESTHESIA AND ANALGESIA*
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- **Succinylcholine and Morbid Obesity: The Debate Continues** *OBESITY SURGERY*
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- **Reversal of profound vecuronium-induced neuromuscular block under sevoflurane anesthesia: sugammadex versus neostigmine.** *BMC anesthesiology*
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2010; 10: 15-?
- **Regional anesthesia and obesity** *CURRENT OPINION IN ANESTHESIOLOGY*
Ingrande, J., Brodsky, J. B., Lemmens, H. J.
2009; 22 (5): 683-686
- **Succinylcholine: A Useful Drug in Bariatric Surgery** *OBESITY SURGERY*
Brodsky, J. B., Lemmens, H. J., Morton, J. M.
2009; 19 (4): 537-537
- **Update on local and regional anesthesia in obesity.** *Acta anaesthesiologica Belgica*
Brodsky, J. B., Lemmens, H. J.
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- **Obesity Modestly Affects Inhaled Anesthetic Kinetics in Humans** *ANESTHESIA AND ANALGESIA*
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- **Is it more difficult to cannulate the right internal jugular vein in morbidly obese patients than in nonobese patients?** *OBESITY SURGERY*
Fujiki, M., Guta, C. G., Lemmens, H. J., Brock-Utne, J. G.
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Philip, B. M., Brock-Utne, J. G., Lemmens, H. J., Jaffe, R. A., Shuttleworth, P. E.
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- **The effects of esmolol and labetalol on cerebral blood flow velocity during electroconvulsive therapy** *EUROPEAN JOURNAL OF ANAESTHESIOLOGY*
van der Starre, P. J., Lemmens, H. J., Chandel, A., Brock-Utne, J. G., Solvason, H. B.
2008; 25 (2): 174-176
- **Can Modern Infrared Analyzers Replace Gas Chromatography to Measure Anesthetic Vapor Concentrations?** *BMC anesthesiology*
Hendrickx, J. F., Lemmens, H. J., Carette, R., De Wolf, A. M., Saidman, L. J.

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- **The effect of deliberate hypercapnia and hypocapnia on intraoperative blood loss and quality of surgical field during functional endoscopic sinus surgery** *ANESTHESIA AND ANALGESIA*
Nekhendzy, V., Lemmens, H. J., Vaughan, W. C., Hepworth, E. J., Chiu, A. G., Church, C. A., Brock-Utne, J. G.
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- **The history of anesthesia for thoracic surgery** *MINERVA ANESTESIOLOGICA*
Brodsky, J. B., Lemmens, H. J.
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- **Regional anesthesia and obesity** *OBESITY SURGERY*
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- **The ideal oxygen/nitrous oxide fresh gas flow sequence with the Anesthesia Delivery Unit machine** *Annual Meeting of the American-Society-of-Anesthesiologists*
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- **Anesthetic drugs and bariatric surgery. Expert review of neurotherapeutics**
Lemmens, H. J., Brodsky, J. B.
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- **The haemodilution enhanced onset of coagulation as measured by the thrombelastogram is transient** *EUROPEAN JOURNAL OF ANAESTHESIOLOGY*
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- **The role of the craniospinal nerves in mediating the antinociceptive effect of transcranial electrostimulation in the rat** *ANESTHESIA AND ANALGESIA*
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- **Enriched analgesic efficacy studies: An assessment by clinical trial simulation** *CONTEMPORARY CLINICAL TRIALS*
Lemmens, H. J., Wada, D. R., Munera, C., Eltahtawy, A., Stanski, D. R.
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- **Obesity and difficult intubation: Where is the evidence?** *ANESTHESIOLOGY*
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- **Verification of endotracheal tube placement by prehospital providers: is a portable fiberoptic bronchoscope of value?** *Air medical journal*
Angelotti, T., Weiss, E. L., Lemmens, H. J., Brock-Utne, J.
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Hendrickx, J. F., Carette, R., Lemmens, H. J., De Wolf, A. M.
2006; 96 (3): 391-395
- **The dose of succinylcholine in morbid obesity** *ANESTHESIA AND ANALGESIA*
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- **Tracheal width and left double-lumen tube size: a formula to estimate left-bronchial width** *JOURNAL OF CLINICAL ANESTHESIA*
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- **Laryngoscopy and morbid obesity: a comparison of the "sniff" and "ramped" positions** *OBESITY SURGERY*
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- **The antinociceptive effect of transcranial electrostimulation with combined direct and alternating current in freely moving rats** *ANESTHESIA AND ANALGESIA*
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Brodsky, J. B., Lemmens, H. J.
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