

Stanford



David Drover

Professor of Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICES

- **Department of Anesthesia**

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Bio

CLINICAL FOCUS

- Anesthesia for Liver Transplantation
- Anesthesia for ENT Surgery
- Difficult Airway
- Neuroanesthesia
- Anesthesia

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Anesthesiology, Perioperative and Pain Medicine
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Chair, Stanford School of Medicine Faculty Senate (2022 - present)

PROFESSIONAL EDUCATION

- Fellow, Stanford University , Biodesign Faculty Fellowship (2019)
- Residency: Dalhousie University Residency Training (1995) Canada
- Internship: Dalhousie University Residency Training (1991) Canada
- Medical Education: Dalhousie University Medicine (1990)
- Board Certification: Anesthesia, Royal College of Physicians and Surgeons (1995)
- BSc, Dalhousie University , Science (1985)
- MSc, Dalhousie University , Clinical Chemistry (1988)

- MD, Dalhousie University , Medicine (1990)
- FRCP(C), Dalhousie University , Anesthesia (1995)

LINKS

- Department Research Site: <http://anesthesia.stanford.edu/research/#drover>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Field of clinical pharmacology. This involves analysis of what the body does to a drug (pharmacokinetics) and how exactly a specific drug affects the body (pharmacodynamics). His research starts at the level of new drug development with detailed analysis of the pharmacokinetics and pharmacodynamics of a medication.

CLINICAL TRIALS

- Building a Platform for Precision Anesthesia in the Geriatric Surgical Patient, Recruiting
- Can Ondansetron Prevent Neonatal Abstinence Syndrome (NAS) in Babies Born to Narcotic-dependent Women, Not Recruiting
- Correlate of Surface Electroencephalogram (EEG) With Implanted EEG Recordings (ECOG), Not Recruiting
- How Pregnant Women and Their Babies Metabolize Ondansetron Compared to a Group of Non-pregnant Women, Not Recruiting
- Measuring the Amount of Methadone or Morphine in the Blood of Neonates, Infants & Children After Cardiac Surgery., Not Recruiting
- Pharmacokinetic (PK) and Pharmacodynamic (PD) Modeling of Ampicillin and Gentamicin in Peripartum Patients, Not Recruiting
- Using the SEDLine for the Titration of Sevoflurane in Elderly Patients Recovery Using the SEDLine TM for the Titration of Sevoflurane in Elderly Patients Undergoing Non-Cardiac Surgery After Beta-Adrenergic Blockade, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Anesthesia (Fellowship Program)

Publications

PUBLICATIONS

- **Evaluation of patient state index, bispectral index, and entropy during drug induced sleep endoscopy with dexmedetomidine.** *Journal of clinical monitoring and computing*
Han, L., Drover, D. R., Chen, M. C., Saxena, A. R., Eagleman, S. L., Nekhendzy, V., Capasso, R.
2022
- **Ondansetron to reduce neonatal opioid withdrawal severity a randomized clinical trial.** *Journal of perinatology : official journal of the California Perinatal Association*
Peltz, G., Jansson, L. M., Adeniyi-Jones, S., Cohane, C., Drover, D., Shafer, S., Wang, M., Wu, M., Govindaswami, B., Jegatheesan, P., Argani, C., Khan, S., Kraft, et al
2022
- **Offline comparison of brain function monitors for geriatric anesthetic-induced electroencephalogram changes**
Eagleman, S., Drover, C., Li, X., Maciver, B., Drover, D.
LIPPINCOTT WILLIAMS & WILKINS.2021: 1041
- **Offline comparison of brain function monitors for geriatric anaesthetic-induced electroencephalogram changes** *British Journal of Anaesthesia*
Eagleman, S., Drover, C., Li, X., MacIver, B., Drover, D.
2021
- **Ampicillin Pharmacokinetics in Peripartum and Laboring Women.** *American journal of perinatology*
Judy, A. E., Frymoyer, A., Ansari, J., Drover, D. R., Carvalho, B.
2021

- **Theophylline dosing and pharmacokinetics for renal protection in neonates with hypoxic-ischemic encephalopathy undergoing therapeutic hypothermia.** *Pediatric research*
Frymoyer, A., Van Meurs, K. P., Drover, D. R., Klawitter, J., Christians, U., Chock, V. Y.
2020
- **Offline comparison between brain monitors for geriatric anesthetic-induced EEG changes**
Eagleman, S., Drover, C., Li, X., Maciver, B., Drover, D.
LIPPINCOTT WILLIAMS & WILKINS.2020: 985
- **Pharmacokinetics of Dexmedetomidine in Infants and Children After Orthotopic Liver Transplantation** *ANESTHESIA AND ANALGESIA*
Damian, M. A., Hammer, G. B., Elkomy, M. H., Frymoyer, A., Drover, D. R., Su, F.
2020; 130 (1): 209–16
- **Speeding the Detection of Vessel Cannulation: An In-Vitro Stimulation Study** *ANESTHESIA AND ANALGESIA*
Muffly, M. K., Ku, A., Drover, D. R., Rodriguez, S., Caruso, T. J., Ku, A., Tsui, B. H.
2020; 130 (1): 159–64
- **Antimicrobial Disposition During Pediatric Continuous Renal Replacement Therapy Using an Ex Vivo Model.** *Critical care medicine*
Purohit, P. J., Elkomy, M. H., Frymoyer, A., Sutherland, S. M., Drover, D. R., Hammer, G. B., Su, F.
2019
- **Assessment of Ketamine Adult Anesthetic Doses in Pediatrics Using Pharmacokinetic Modeling and Simulations** *PHARMACOTHERAPY*
Elkomy, M. H., Alruwaili, N., Elmowafy, M., Shalaby, K., Drover, D. R., Ramamoorthy, C.
2019; 39 (4): 454–62
- **Assessment of Ketamine Adult Anesthetic Doses in Pediatrics using Pharmacokinetic Modeling and Simulations.** *Pharmacotherapy*
Elkomy, M. H., Alruwaili, N., Elmowafy, M., Shalaby, K., Drover, D. R., Ramamoorthy, C.
2019
- **Speeding the Detection of Vessel Cannulation: An In-Vitro Stimulation Study.** *Anesthesia and analgesia*
Muffly, M. K., Ku, A., Drover, D. R., Rodriguez, S., Caruso, T. J., Ku, A., Tsui, B. C.
2019
- **Letter to the editor.** *Journal of clinical monitoring and computing*
Drover, D. R., Barker, S. J.
2019
- **Do Complexity Measures of Frontal EEG Distinguish Loss of Consciousness in Geriatric Patients Under Anesthesia?** *Frontiers in neuroscience*
Eagleman, S. L., Vaughn, D. A., Drover, D. R., Drover, C. M., Cohen, M. S., Ouellette, N. T., MacIver, M. B.
2018; 12: 645
- **Pharmacokinetics of Dexmedetomidine in Infants and Children After Orthotopic Liver Transplantation.** *Anesthesia and analgesia*
Damian, M. A., Hammer, G. B., Elkomy, M. H., Frymoyer, A., Drover, D. R., Su, F.
2018
- **Calculations of consciousness: electroencephalography analyses to determine anesthetic depth.** *Current opinion in anaesthesiology*
Eagleman, S. L., Drover, D. R.
2018; 31 (4): 431-438
- **Remifentanyl and Nitrous Oxide Anesthesia Produces a Unique Pattern of EEG Activity During Loss and Recovery of Response** *FRONTIERS IN HUMAN NEUROSCIENCE*
Eagleman, S. L., Drover, C. M., Drover, D. R., Ouellette, N. T., MacIver, M.
2018; 12: 173
- **Improved operative efficiency using a real-time MRI-guided stereotactic platform for laser amygdalohippocampotomy** *JOURNAL OF NEUROSURGERY*
Ho, A. L., Sussman, E. S., Pendharkar, A. V., Le, S., Mantovani, A., Keebaugh, A. C., Drover, D. R., Grant, G. A., Wintermark, M., Halpern, C. H.
2018; 128 (4): 1165–72
- **Calculations of Consciousness: EEG analyses to determine anesthetic depth.** *Current Opinion in Anesthesiology*
Eagleman, S., Drover, D.

2018

- **Do complexity measures of frontal EEG distinguish loss of consciousness in geriatric patients under anesthesia?** *Frontiers in Neuroscience*
Eagleman*, S. L., Vaughn*, D. A., Drover, D. R., Drover, C. M., Cohen, M. S., Ouellette, N. T., MacIver, B.
2018
- **Optimization of Maternal Magnesium Sulfate Administration for Fetal Neuroprotection: Application of a Prospectively Constructed Pharmacokinetic Model to the BEAM Cohort.** *Journal of clinical pharmacology*
Brookfield, K. F., Elkomy, M., Su, F., Drover, D. R., Carvalho, B.
2017
- **Small-Volume Injections: Evaluation of Volume Administration Deviation From Intended Injection Volumes.** *Anesthesia and analgesia*
Muffly, M. K., Chen, M. I., Claire, R. E., Drover, D. R., Efron, B., Fitch, W. L., Hammer, G. B.
2017
- **Small-Volume Injections: Evaluation of Volume Administration Deviation From Intended Injection Volumes.** *Anesthesia and analgesia*
Muffly, M. K., Chen, M. I., Claire, R. E., Drover, D. R., Efron, B., Fitch, W. L., Hammer, G. B.
2017
- **Decreased Morphine Clearance in Neonates With Hypoxic Ischemic Encephalopathy Receiving Hypothermia** *JOURNAL OF CLINICAL PHARMACOLOGY*
Frymoyer, A., Bonifacio, S. L., Drover, D. R., Su, F., Wustoff, C. J., Van Meurs, K. P.
2017; 57 (1): 64-76
- **Pharmacodynamic Analysis of Morphine Time-to-Remedication Events in Infants and Young Children After Congenital Heart Surgery.** *Clinical pharmacokinetics*
Elkomy, M. H., Drover, D. R., Galinkin, J. L., Hammer, G. B., Glotzbach, K. L.
2016; 55 (10): 1217-1226
- **Pharmacokinetics and placental transfer of magnesium sulfate in pregnant women** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*
Brookfield, K. F., Su, F., Elkomy, M. H., Drover, D. R., Lyell, D. J., Carvalho, B.
2016; 214 (6)
- **Variable Findings for Drug-Induced Sleep Endoscopy in Obstructive Sleep Apnea with Propofol versus Dexmedetomidine.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
Capasso, R., Rosa, T., Tsou, D. Y., Nekhendzy, V., Drover, D., Collins, J., Zaghi, S., Camacho, M.
2016; 154 (4): 765-770
- **Pharmacokinetics of Morphine and Its Metabolites in Infants and Young Children After Congenital Heart Surgery** *AAPS JOURNAL*
Elkomy, M. H., Drover, D. R., Glotzbach, K. L., Galinkin, J. L., Frymoyer, A., Su, F., Hammer, G. B.
2016; 18 (1): 124-133
- **Optimization of maternal magnesium sulfate administration for fetal neuroprotection and cerebral palsy prevention**
Brookfield, K., Su, F., El-Komy, M., Ho, P., Drover, D., Carvalho, B.
MOSBY-ELSEVIER.2016: S370
- **Pharmacokinetics of Morphine and Its Metabolites in Infants and Young Children After Congenital Heart Surgery.** *The AAPS journal*
Elkomy, M. H., Drover, D. R., Glotzbach, K. L., Galinkin, J. L., Frymoyer, A., Su, F., Hammer, G. B.
2016; 18 (1): 124-33
- **Safety and Efficacy of Sodium Nitroprusside During Prolonged Infusion in Pediatric Patients** *PEDIATRIC CRITICAL CARE MEDICINE*
Hammer, G. B., Lewandowski, A., Drover, D. R., Rosen, D. A., Cohane, C., Anand, R., Mitchell, J., Reece, T., Schulman, S. R.
2015; 16 (5): 397-403
- **Pharmacokinetics of Prophylactic Cefazolin in Parturients Undergoing Cesarean Delivery (vol 58, pg 3504, 2014)** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*
Elkomy, M. H., Sultan, P., Drover, D. R., Epshtein, E., Galinkin, J. L., Carvalho, B.
2015; 59 (6): 3694
- **Safety and efficacy of sodium nitroprusside during prolonged infusion in pediatric patients.** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*
Hammer, G. B., Lewandowski, A., Drover, D. R., Rosen, D. A., Cohane, C., Anand, R., Mitchell, J., Reece, T., Schulman, S. R.

2015; 16 (5): 397-403

- **Population pharmacokinetics of etomidate in neonates and infants with congenital heart disease** *BIOPHARMACEUTICS & DRUG DISPOSITION*
Su, F., El-Komy, M. H., Hammer, G. B., Frymoyer, A., Cohane, C. A., Drover, D. R.
2015; 36 (2): 104-114
- **Risk factors for respiratory depression in patients undergoing retrobulbar block for vitreoretinal surgery.** *Ophthalmic surgery, lasers & imaging retina*
Silva, R. A., Leng, J. C., He, L., Brock-Utne, J. G., Drover, D. R., Leng, T.
2015; 46 (2): 243-247
- **Risk Factors for Respiratory Depression in Patients Undergoing Retrobulbar Block for Vitreoretinal Surgery** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Silva, R. A., Leng, J. C., He, L., Brock-Utne, J. G., Drover, D. R., Leng, T.
2015; 46 (2): 243-247
- **Ondansetron pharmacokinetics in pregnant women and neonates: towards a new treatment for neonatal abstinence syndrome.** *Clinical pharmacology & therapeutics*
Elkomy, M., Sultan, P., Carvalho, B., Peltz, G., Wu, M., Clavijo, C., Galinkin, J., Drover, D.
2015; 97 (2): 167-176
- **Population pharmacokinetics of ketamine in children with heart disease** *INTERNATIONAL JOURNAL OF PHARMACEUTICS*
Elkomy, M. H., Drover, D. R., Hammer, G. B., Galinkin, J. L., Ramamoorthy, C.
2015; 478 (1): 223-231
- **Population pharmacokinetics of ketamine in children with heart disease.** *International journal of pharmaceutics*
Elkomy, M. H., Drover, D. R., Hammer, G. B., Galinkin, J. L., Ramamoorthy, C.
2015; 478 (1): 223-231
- **Evaluation of sodium nitroprusside for controlled hypotension in children during surgery.** *Frontiers in pharmacology*
Drover, D. R., Hammer, G. B., Barrett, J. S., Cohane, C. A., Reece, T., Zajicek, A., Schulman, S. R.
2015; 6: 136-?
- **Pharmacokinetics of magnesium sulfate in pregnant women**
Brookfield, K., Su, F., Drover, D., Adelus, M., Lyell, D., Carvalho, B.
MOSBY-ELSEVIER.2015: S102
- **Umbilical cord magnesium levels and neonatal resuscitation in infants exposed to magnesium sulfate**
Brookfield, K., Su, F., Drover, D., Adelus, M., Lyell, D., Carvalho, B.
MOSBY-ELSEVIER.2015: S395-S396
- **Evaluation of sodium nitroprusside for controlled hypotension in children during surgery.** *Frontiers in pharmacology*
Drover, D. R., Hammer, G. B., Barrett, J. S., Cohane, C. A., Reece, T., Zajicek, A., Schulman, S. R.
2015; 6: 136-?
- **A hemodynamic model to guide blood pressure control during deliberate hypotension with sodium nitroprusside in children.** *Frontiers in pharmacology*
Barrett, J. S., Hirankarn, S., Holford, N., Hammer, G. B., Drover, D. R., Cohane, C. A., Anderson, B., Dombrowski, E., Reece, T., Zajicek, A., Schulman, S. R.
2015; 6: 151-?
- **A hemodynamic model to guide blood pressure control during deliberate hypotension with sodium nitroprusside in children.** *Frontiers in pharmacology*
Barrett, J. S., Hirankarn, S., Holford, N., Hammer, G. B., Drover, D. R., Cohane, C. A., Anderson, B., Dombrowski, E., Reece, T., Zajicek, A., Schulman, S. R.
2015; 6: 151-?
- **Detection of respiratory compromise by acoustic monitoring, capnography, and brain function monitoring during monitored anesthesia care** *JOURNAL OF CLINICAL MONITORING AND COMPUTING*
Tanaka, P. P., Tanaka, M., Drover, D. R.
2014; 28 (6): 561-566
- **THE PHARMACOKINETICS OF ETOMIDATE IN NEONATES AND INFANTS WITH CONGENITAL HEART DISEASE**
Su, F., Cohane, C., Drover, D., El-Komy, M., Frymoyer, A., Hammer, G.
LIPPINCOTT WILLIAMS & WILKINS.2014

- **Association between vancomycin trough concentration and area under the concentration-time curve in neonates.** *Antimicrobial agents and chemotherapy*
Frymoyer, A., Hersh, A. L., El-Komy, M. H., Gaskari, S., Su, F., Drover, D. R., Van Meurs, K.
2014; 58 (11): 6454-6461
- **Association between Vancomycin Trough Concentration and Area under the Concentration-Time Curve in Neonates** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*
Frymoyer, A., Hersh, A. L., El-Komy, M. H., Gaskari, S., Su, F., Drover, D. R., Van Meurs, K.
2014; 58 (11): 6454-6461
- **Predictors of Arterial Blood Pressure Control During Deliberate Hypotension with Sodium Nitroprusside in Children** *ANESTHESIA AND ANALGESIA*
Spielberg, D. R., Barrett, J. S., Hammer, G. B., Drover, D. R., Reece, T., Cohane, C. A., Schulman, S. R.
2014; 119 (4): 867-874
- **The pharmacokinetics of methadone and its metabolites in neonates, infants, and children** *PEDIATRIC ANESTHESIA*
Ward, R. M., Drover, D. R., Hammer, G. B., Stemland, C. J., Kern, S., Tristani-Firouzi, M., Lugo, R. A., Satterfield, K., Anderson, B. J.
2014; 24 (6): 591-601
- **Pharmacokinetics of prophylactic cefazolin in parturients undergoing cesarean delivery.** *Antimicrobial agents and chemotherapy*
Elkomy, M. H., Sultan, P., Drover, D. R., Epshtein, E., Galinkin, J. L., Carvalho, B.
2014; 58 (6): 3504-3513
- **The effects of ketamine on dexmedetomidine-induced electrophysiologic changes in children.** *Paediatric anaesthesia*
Char, D., Drover, D. R., Motonaga, K. S., Gupta, S., Miyake, C. Y., Dubin, A. M., Hammer, G. B.
2013; 23 (10): 898-905
- **Comparison of a New Cobinamide-Based Method to a Standard Laboratory Method for Measuring Cyanide in Human Blood** *JOURNAL OF ANALYTICAL TOXICOLOGY*
Swezey, R., Shinn, W., Green, C., Drover, D. R., Hammer, G. B., Schulman, S. R., Zajicek, A., Jett, D. A., Boss, G. R.
2013; 37 (6): 382-385
- **Sodium nitroprusside is not associated with metabolic acidosis during intraoperative infusion in children** *BMC ANESTHESIOLOGY*
Hammer, G. B., Connolly, S. G., Schulman, S. R., Lewandowski, A., Cohane, C., Reece, T. L., Anand, R., Mitchell, J., Drover, D. R.
2013; 13
- **Aversive and Reinforcing Opioid Effects A Pharmacogenomic Twin Study** *ANESTHESIOLOGY*
Angst, M. S., Lazzeroni, L. C., Phillips, N. G., Drover, D. R., Tingle, M., Ray, A., Swan, G. E., Clark, J. D.
2012; 117 (1): 22-37
- **Pain sensitivity and opioid analgesia: A pharmacogenomic twin study** *PAIN*
Angst, M. S., Phillips, N. G., Drover, D. R., Tingle, M., Ray, A., Swan, G. E., Lazzeroni, L. C., Clark, J. D.
2012; 153 (7): 1397-1409
- **The Pharmacokinetics of Ketorolac After Single Postoperative Intranasal Administration in Adolescent Patients** *ANESTHESIA AND ANALGESIA*
Drover, D. R., Hammer, G. B., Anderson, B. J.
2012; 114 (6): 1270-1276
- **Sodium Nitroprusside Is Not Associated with Metabolic Acidosis During Intraoperative Infusion in Children**
Hammer, G., Drover, D., Connolly, S., Cohane, C., Schulman, S.
OXFORD UNIV PRESS.2012: 293
- **Intrathecal fentanyl added to bupivacaine and morphine for cesarean delivery may induce a subtle acute opioid tolerance** *INTERNATIONAL JOURNAL OF OBSTETRIC ANESTHESIA*
Carvalho, B., Drover, D. R., Ginosar, Y., Cohen, S. E., Riley, E. T.
2012; 21 (1): 29-34
- **Intrathecal Dosing for Cesarean Delivery in Obese and Nonobese Patients Reply** *ANESTHESIOLOGY*
Carvalho, B., Drover, D. R., Collins, J.
2011; 115 (4): 900-900
- **Comparative clinical effects of hydromorphone and morphine: a meta-analysis** *BRITISH JOURNAL OF ANAESTHESIA*

- Felden, L., Walter, C., Harder, S., Treede, R., Kayser, H., Drover, D., Geisslinger, G., Loetsch, J.
2011; 107 (3): 319-328
- **Prior epidural lidocaine alters the pharmacokinetics and drug effects of extended-release epidural morphine (DepoDur®) after cesarean delivery.** *Anesthesia and analgesia*
Atkinson Ralls, L., Drover, D. R., Clavijo, C. F., Carvalho, B.
2011; 113 (2): 251-258
 - **Prior Epidural Lidocaine Alters the Pharmacokinetics and Drug Effects of Extended-Release Epidural Morphine (DepoDur (R)) After Cesarean Delivery** *ANESTHESIA AND ANALGESIA*
Ralls, L. A., Drover, D. R., Clavijo, C. F., Carvalho, B.
2011; 113 (2): 251-258
 - **TITRATION OF SEVOFLURANE IN ELDERLY PATIENTS: BLINDED, RANDOMIZED CLINICAL TRIAL, IN NON-CARDIAC SURGERY AFTER BETA-ADRENERGIC BLOCKADE** *JOURNAL OF CLINICAL MONITORING AND COMPUTING*
Drover, D. R., Schmiesing, C., Buchin, A. F., Ortega, H. R., Tanner, J. W., Atkins, J. H., Macario, A.
2011; 25 (3): 175-181
 - **A sensitive assay for the quantification of morphine and its active metabolites in human plasma and dried blood spots using high-performance liquid chromatography-tandem mass spectrometry** *ANALYTICAL AND BIOANALYTICAL CHEMISTRY*
Clavijo, C. F., Hoffman, K. L., Thomas, J. J., Carvalho, B., Chu, L. F., Drover, D. R., Hammer, G. B., Christians, U., Galinkin, J. L.
2011; 400 (3): 715-728
 - **The effectiveness of preemptive sphenopalatine ganglion block on postoperative pain and functional outcomes after functional endoscopic sinus surgery** *56th Annual Fall Scientific Meeting of the American-Rhinologic-Society (ARS)*
Cho, D., Drover, D. R., Nekhendzy, V., Butwick, A. J., Collins, J., Hwang, P. H.
WILEY-BLACKWELL.2011: 212-18
 - **ED50 and ED95 of Intrathecal Bupivacaine in Morbidly Obese Patients Undergoing Cesarean Delivery** *ANESTHESIOLOGY*
Carvalho, B., Collins, J., Drover, D. R., Ralls, L. A., Riley, E. T.
2011; 114 (3): 529-535
 - **Morphine and its metabolites after patient-controlled analgesia: considerations for respiratory depression** *JOURNAL OF CLINICAL ANESTHESIA*
Sam, W. J., Mackey, S. C., Loetsch, J., Drover, D. R.
2011; 23 (2): 102-106
 - **Efficacy, Safety, and Pharmacokinetics of Sugammadex for the Reversal of Rocuronium-induced Neuromuscular Blockade in Elderly Patients** *ANESTHESIOLOGY*
McDonagh, D. L., Benedict, P. E., Kovac, A. L., Drover, D. R., Brister, N. W., Morte, J. B., Monk, T. G.
2011; 114 (2): 318-329
 - **Opioid Pharmacogenomics Using a Twin Study Paradigm: Methods and Procedures for Determining Familial Aggregation and Heritability** *TWIN RESEARCH AND HUMAN GENETICS*
Angst, M. S., Phillips, N. G., Drover, D. R., Tingle, M., Galinkin, J. L., Christians, U., Swan, G. E., Lazzeroni, L. C., Clark, J. D.
2010; 13 (5): 412-425
 - **SAS-BASED HEMODYNAMIC CONTROL CHARTS FOR THE MANAGEMENT OF NITROPRUSSIDE IN CHILDREN**
Dombrowsky, E. L., Jayaraman, B., Schulman, S. R., Hammer, G. B., Drover, D., Barrett, J. S.
SAGE PUBLICATIONS INC.2010: 1076
 - **Pharmacokinetic-pharmacodynamic modeling of the hypotensive effect of remifentanyl in infants undergoing cranioplasty** *PEDIATRIC ANESTHESIA*
Standing, J. F., Hammer, G. B., Sam, W. J., Drover, D. R.
2010; 20 (1): 7-18
 - **A POOR CORRELATION EXISTS BETWEEN OSCILLOMETRIC AND RADIAL ARTERIAL BLOOD PRESSURE AS MEASURED BY THE PHILIPS MP90 MONITOR** *JOURNAL OF CLINICAL MONITORING AND COMPUTING*
Mireles, S. A., Jaffe, R. A., Drover, D. R., Brock-Utne, J. G.
2009; 23 (3): 169-174
 - **No evidence for the development of acute tolerance to analgesic, respiratory depressant and sedative opioid effects in humans** *PAIN*
Angst, M. S., Chu, L. F., Tingle, M. S., Shafer, S. L., Clark, J. D., Drover, D. R.

2009; 142 (1-2): 17-26

- **Determination of the pharmacodynamic interaction of propofol and dexmedetomidine during esophagogastroduodenoscopy in children** *PEDIATRIC ANESTHESIA*
Hammer, G. B., Sam, W. J., Chen, M. I., Golianu, B., Drover, D. R.
2009; 19 (2): 138-144
- **Population pharmacokinetics of remifentanyl in infants and children undergoing cardiac surgery.** *BMC anesthesiology*
Sam, W. J., Hammer, G. B., Drover, D. R.
2009; 9: 5-?
- **The effects of dexmedetomidine on cardiac electrophysiology in children** *ANESTHESIA AND ANALGESIA*
Hammer, G. B., Drover, D. R., Cao, H., Jackson, E., Williams, G. D., Ramamoorthy, C., Van Hare, G. F., Niksch, A., Dubin, A. M.
2008; 106 (1): 79-83
- **Pharmacokinetics And Pharmacodynamics Of Fenoldopam Mesylate For Blood Pressure Control In Pediatric Patients.** *BMC anesthesiology*
Hammer, G. B., Verghese, S. T., Drover, D. R., Yaster, M., Tobin, J. R.
2008; 8: 6-?
- **Randomized, dose-finding, Phase II study of the selective relaxant binding drug, sugammadex, capable of safely reversing profound rocuronium-induced neuromuscular block** *ANESTHESIA AND ANALGESIA*
Groudine, S. B., Soto, R., Lien, C., Drover, D., Roberts, K.
2007; 104 (3): 555-562
- **Patient state index.** *Best practice & research. Clinical anaesthesiology*
Drover, D., ORTEGA, H. R.
2006; 20 (1): 121-128
- **Pharmacology of drugs formulated with DepoFoaM (TM) - A sustained release drug delivery system for parenteral administration using multivesicular liposome technology** *CLINICAL PHARMACOKINETICS*
Angst, M. S., Drover, D. R.
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