RESEARCH ACTIVITY REPORT

2007 - Present
**Peer Reviewed Manuscripts & Publications**

**Chaturvedi LS, Marsh HM, Basson MD**: Src and focal adhesion kinase mediate mechanical strain-induced proliferation and ERK $\frac{1}{2}$ phosphorylation in human H441 pulmonary epithelial cells. AM J Physiol cell Physiol 2007; 292:C1701-13


**Chidiac EJ, Perov S**: Outpatient continuous peripheral nerve catheters. Anesth Analg 2007; 104: 1303-4; author reply 1304-5


Losanoff JE, **Basson MD**: Giant Spigelian hernias. Hernia 2007; 11: 381-2


O'Leary-Moore SK, **Galloway MP**, McMechan AP, Hannigan JH, Bowen SE: Region-dependent alterations in glutamate and GABA measured by high-resolution magnetic resonance spectroscopy following acute binge inhalation of toluene in juvenile rats. Neurotoxicol Teratol 2007; 29: 466-75

Shiratsuchi H, **Basson MD**: Akt2, but not Akt1 or Akt3 mediates pressure-stimulated serum-opsonized latex bead phagocytosis through activating mTOR and p70 S6 kinase. J cell Biochem 2007


Evaluating of EEG $\beta_2\theta$ Ratio and Channel Locations in Measuring Anesthesia Depth, *Neurosci Lett* April 2010

Lasting alterations in amino acid neurotransmitters but not N-acetylaspartate one week after 3,4-methylenedioxymethylamphetamine (MDMA) exposure in rats. *Neurotoxicology* March 2010


High dose glycine impairs the prepulse inhibition measure of sensorimotor gating in humans. *J Psychopharmacol* in press April 15, 2010

**Henry R Kroll, MD; Vivek Arora, MBBS, MD; David Vangura, MD:** Coronary Artery Spasm Occurring in the Setting of the Oculocardiac Reflex. *Journal of Anesthesia*, April 30, 2010


Gupta D, Perov S, Marsh H. Ipod Touch A Useful Tool For Practicing Minimally Invasive Anesthesia. WebmedCentral ANAESTHESIA 2010;1(10):WMC00963


Bacon DR. The next generation. Regional Anesthesia and Pain Medicine 2011; 36(6):527-8

Prasad G, Toshniwal G. Use of cuffed flexometallic tube to control profuse airway bleeding during extraction of tracheal metallic foreign body. Indian Journal of Anaesthesia. 2011;55(1);88-89.


Chaturvedi LS, Marsh HM, Basson MD. Role of RhoA, ROCK and mDia1 in modulation of the deformation-induced FAK, ERK, P38 and MLC motogenic signals in human Caco-2 intestinal epithelial cells. AM J Physiol Cell Physiol. 2011 Nov;301(5):C1224-38


Chidiac EJ, Kaddoum RN, Fuleihan SF. Mandragora: Anesthetic of the Ancients. Anesthesia and Analgesia (accepted, April 2012)


Abstracts


Perrine* SP, Ghodddoussi F, Hyde EM, and Galloway MP Neurochemical Profile of MDMA determined by 1H Magnetic Resonance Spectroscopy and the Relationship to Serotonergic Neurotoxicity. College on Problems in Drug Dependence, Annual Mtg (June 2007) Quebec City, CA


Hyde EM, Ghoddoussi F, O'Leary-Moore SK, Perrine SA, Seraji-Bozorgzad N, Galloway MP Relationship between the Neurochemical Profile Determined with Proton Magnetic Resonance Spectroscopy (MRS) and Dopamine Turnover Following Treatment with Methamphetamine: Role of DA D1 Receptors. Society for Neuroscience (San Diego) November 2007

*Ghoddoussi F, Perrine SA, Needleman R, Brusilow WSA, and Galloway MP Proton magnetic resonance spectroscopy (MRS) analysis of transgenic mouse model (SOD1-G93A) of ALS: Neurochemical profile after inhibition of glutamine synthetase by methionine sulfoximine (MSO). Society for Neuroscience (San Diego) November 2007

*Perrine SA, Ghoddoussi F, Hyde EM and Galloway MP. Neurochemical profile of MDMA determined by 1H magnetic resonance spectroscopy and the relationship to serotonergic signaling. Society for Neuroscience (San Diego) November 2007


*O'Leary-Moore SK, McMechan AP, Galloway MP, Hannigan, JH. Neonatal alcohol exposure induces region-dependent alterations of neurochemical profile measured by high-resolution magic angle spinning 1H magnetic resonance spectroscopy (HR-MAS 1H MRS). Society for Neuroscience (San Diego) November 2007
Mears RP, Galloway, MP, Boutros NN, Moore H. Neurochemical phenotype determined by proton magnetic resonance spectroscopy (MRS) in the MAM E17 rodent model of schizophrenia. Society for Neuroscience (San Diego) November 2007


Nicotinic Acetylcholine Receptor Gene Expression is Altered in Burn Patients WA OSTA, MD, MA El-Osta, Ph.D, GM McKelvey, Ph.D, EA Pezhman, MD, RA Raad, MD, Z Injic, BSc, MSA, M Marsh, MD, M White, MD, S Perov, MD. The Department of Anesthesiology, Wayne State University, Detroit, Michigan. Proceedings of the American Society of Anesthesiologists 2008 Conference, Orlando Florida, Abstract #A495

Kaddoum, K, H Akbary, MD1, LY Wang, PhD2, and H Wang, MD, PhD. Departments of Anesthesiology1 and Electrical and Computer Engineering2. Prediction of BIS Anesthesia Depth Using a


Toshniwal, G, Dr. Ganga Prasad, M. Anesthetic management of an unusual tracheal stoma cleaner as tracheal foreign body in a laryngectomized patient: A case report. Wayne State University, Detroit, Michigan, USA. All India Institute of Medical Sciences, New Delhi, India. Proceedings of the American Society of Anesthesiologists 2008 Conference, Orlando Florida.


Ghoddoussi F, Perrine SA, Needleman R, Brusilow W, Galloway MP. Neurochemical profile of the transgenic mouse model hSOD^{G93A} of ALS After Inhibition of glutamine synthetase by methionine sulfoximine (MSO): Studies with proton magnetic resonance spectroscopy, Univ of Toledo Sch Med, Annual Neuroscience Mtg, Toledo, OH, March 2008

Perrine et al. Univ of Toledo Sch Med, Annual Neuroscience Mtg, Toledo, OH, March 2008

Mears et al. Univ of Toledo Sch Med, Annual Neuroscience Mtg, Toledo, OH, March 2008


connectivity fMRI analysis using partial least squares (PLS) Society for Neuroscience (Washington DC) November 2008


M. P. Galloway, F. Ghoddoussi, W. Jiao, R. Needleman, W. Brusilow. Proton magnetic resonance spectroscopy (MRS) analysis of transgenic mouse model (SOD1<sup>165A</sup>) of ALS: Neurochemical profile at postnatal day 120 Soc Neurosci (Chicago) Oct 2009


Muppuri RN, Kotamraju S. Cardiac arrhythmias and myocardial infarction during general anesthesia induction in a chronic marijuana user. Presented at the American Society of Anesthesiologists Annual Meeting in October, 2009 in New Orleans, LA.

Perrine SA, and Galloway MP Cocaine induced locomotor activity is increased following single prolonged stress, an animal model of posttraumatic stress disorder. College on Problems in Drug Dependence, Annual Mtg 2010


Toshniwal, Ghoddoussi, McKelvey, Girgis, Marsh, Galloway. Acute neurochemical response to the μ Opioid Receptor agonist (MOR) Fentanyl or the α2A Adrenergic Receptor Agonist α2A R) Dexmedetomidine: A Comparative Study with 11.7T 1H Magnetic Resonance Spectroscopy (MRS) in Rats. Accepted for Poster Presentation at the American Academy of Pain Medicine Annual Meeting March 2011, National Harbor, MD.


**Presentations**


Guang-Xiang Y, DeWitt D: Peroxynitrite Scavengers reduced the impairment of gap junction communication between smooth muscle cells after traumatic brain injury ex vivo and in vitro. Presented at the Midwest Anesthesiology Residents’ Conference, St. Louis, Missouri, April, 2007


Kaminski E, Ahmed Z, Rajan S, Zestos M: A Possible Case of Ondansectron Induced Ventricular Tachycardia. Presented at the Midwest Anesthesiology Residents’ Conference, St. Louis, Missouri, April, 2007

Kuzumi C, Amin S, Denchev K, Perov S: A Retrospective Chart Review of Preoperative Hypertension and Resulting Postoperative Outcomes. Presented at the Midwest Anesthesiology Residents’ Conference, St. Louis, Missouri, April, 2007

Muendel K, Kaminski E, Pasternak R, Perov S: Recovery of 90% Train of Four (TOF) after 4mg/kg of Sugammadex administration. Presented at the Midwest Anesthesiology Residents’ Conference, St. Louis, Missouri, April, 2007
Sukumaran H, Perov S: Anesthetic management of a Pulmonary Hydatted Cyst. Presented at the Midwest Anesthesiology Residents’ Conference, St. Louis, Missouri, April, 2007


Pezhman EA, Raad RA, Osta WA, Perov S: Cardiac arrest after a high spinal with subsequent successful resuscitation and a good outcome. Presented at the Midwest Anesthesia Residents Conference, Indianapolis, Indiana, April 2008.


Kumar S, Perov S. Post traumatic upper extremity neuralgia managed by continuous infraclavicular brachial plexus block. Presented at the Midwest Anesthesiology Residents’ Conference, Chicago, IL, April, 2009.


Agarwal S, Nuttall GA, Johnson ME, Ereth MH, Oliver WC. A Phase II study of continuous ropivacaine infusion in the median sternotomy incision. Presented at the Midwest Anesthesiology Residents’ Conference, Chicago, IL, April, 2009.

Ahmad DS, Soskin V. Hemodynamic stability and rapid onset of subdural injection. Presented at the Midwest Anesthesiology Residents’ Conference, Chicago, IL, April, 2009.

Beshai A, Othman M. Motor cortex stimulation for a patient with resistant neuropathic facial pain. Presented at the Midwest Anesthesiology Residents’ Conference, Chicago, IL, April, 2009.

French M, Perov S. Seizure following popliteal block. Presented at the Midwest Anesthesiology Residents’ Conference, Chicago, IL, April, 2009.

Kumar S. Bronchoscopic extraction of a vegetable foreign body. Presented at the Midwest Anesthesiology Residents’ Conference, Chicago, IL, April, 2009.


Motlani F, Mookerjee A, Kable T. Hemodynamic instability and paroxysmal atrial fibrillation in a parturient acutely intoxicated with cannabis during spinal anesthesia. Presented at the Midwest Anesthesiology Residents’ Conference, Chicago, IL, April, 2009.

Yu G, Shiratsuchi H, Marsh HM, Basson MD. Propofol inhibits the activation of microglial cells by extracellular pressure. Presented at the Midwest Anesthesiology Residents’ Conference, Chicago, IL, April, 2009.


Beshai A, Othman M, Wang H. Large bowel ischemia masked by postoperative epidural analgesia. Presented as a poster at the American Society of Anesthesiologists Annual Meeting in October, 2009 in New Orleans, LA.

Hindo R, Jwaida B. Intraoperative allergic reaction in a pediatric dental case. Presented as a poster at the American Society of Anesthesiologists Annual Meeting in October, 2009 in New Orleans, LA.

Kumar S, Ferguson K, Marjanovic M. Anesthetic management of amobidly obese 36 year old pregnant female at term, in labor with placenta previa & multiple co-morbidities who was called for a stat c-section due to bleeding per vagina and non-reassuring fetal heart tones. Presented as a poster at the American Society of Anesthesiologists Annual Meeting in October, 2009 in New Orleans, LA.

Li C, Perov S. Unrecognized pulmonary embolism in patient with a large mediastinal cyst. Presented as a poster at the American Society of Anesthesiologists Annual Meeting in October, 2009 in New Orleans, LA.

Motlani F, Kumar S, Marsh HM. A unique presentation of pneumocephalus as a complication of epidural catheterization. Presented as a poster at the American Society of Anesthesiologists Annual Meeting in October, 2009 in New Orleans, LA.

Moussa A, Patel P. Unrecognized ruptured aortic aneurysm. Presented as a poster at the American Society of Anesthesiologists Annual Meeting in October, 2009 in New Orleans, LA.

Muppuri RN, Agarwal S, Toshniwal G, Soskin V. Flash pulmonary edema following combined spinal and epidural (CSE) labor analgesia in a primi gravid with latent peripartum cardiomyopathy. Presented as a poster at the American Society of Anesthesiologists Annual Meeting in October, 2009, New Orleans, LA.

Safadi L, Orlewicz M. Acute airway obstruction from massive Sub-Q emphysema secondary to a nonfunctioning chest tube. Presented at the Midwest Anesthesia Residents Conference in February, 2010 in Cincinnati, Ohio

Jaspreet Sangha, MD, Ryan Dudley, MD, Lawrence Safadi MD, Konstantin Rusin, MD, PhD.


Motlani F, Haber H. Has the Media’s Portrayal of Propofol Propagated Public Panic? Presented at the International Anesthesia Society Meeting, March 2010, Hawaii.

Motlani F, Crawforth K, Soskin V. What is the incidence of postdural puncture headache when an epidural catheter is placed intrathecelly following accidental dural puncture? Presented as a poster at the 55th Annual Scientific Meeting of the Michigan Society of Anesthesiologists, February, 2010, Troy Michigan.


Motlani F, Crawforth K, Soskin V. What is the incidence of post-dural puncture headache when an epidural catheter is placed intrathecelly following accidental dural puncture. Presented at New York Society of Regional Anesthesia’s annual meeting, March, 2010 in Dubai, UAA.


Coleman A, Soskin V. Anesthetic Management of a Pregnant Woman with Sickle Cell Disease and Coexisting Moyamoya Disease: a case report. Accepted for case presentation at the Society of Obstetric Anesthesiology and Perinatology’s Annual Meeting, San Antonio, Texas, May, 2010

Kaddoum R, Dudley R, Coleman A, Soskin V. TEE for anesthetic management of a patient with severe MVR and cardiomyopathy presenting for cesarean section. Accepted for case presentation at the Society of Obstetric Anesthesiology and Perinatology’s Annual Meeting, San Antonio, Texas, May, 2010


Sandhu S, Rusin K. Emergent repair of an iatrogenic injury to the subclavian artery during a resection of a pancoast tumor. Accepted for oral presentation at Midwest Anesthesia Residents Conferences, April 1-3, 2010, Chicago, Illinois.

Smith CB, Haber H. Management of a cocaine abusing patient taking Doxazosin. Accepted for oral presentation at Midwest Anesthesia Residents Conferences, April 1-3, 2010, Chicago, Illinois.


Tadros R, Gupta D, Fuleihan S. Calciphylaxis in end-stage renal disease and difficult pain management. Accepted for oral presentation at Midwest Anesthesia Residents Conferences, April 1-3, 2010, Chicago, Illinois.

Abatiell A, Perov S. Surgical Recall in an Acute Trauma Patient. Accepted for oral presentation at Midwest Anesthesia Residents Conferences, April 1-3, 2010, Chicago, Illinois.


Frederick JM, Perov S. Perioperative anesthetic management of an acute stress induced cardiomyopathy. Accepted for oral presentation at Midwest Anesthesia Residents Conferences, April 1-3, 2010, Chicago, Illinois.

Gupta D, Shrestha A, Daryanani M, Perov S, Orlewicz M. Global cerebral hypoperfusion or an air embolism: Role of BIS bilateral. Accepted for oral presentation at Midwest Anesthesia Residents Conferences, April 1-3, 2010, Chicago, Illinois.

Gupta D, Haber H. Correlation of ultrasound confirmation of laryngeal mask airway (LMA): Correct placement with fiberoptic scope confirmation. Accepted for oral presentation at Midwest Anesthesia Residents Conferences, April 1-3, 2011, Chicago, Illinois.

Hammoud H, Haber H. Restless leg syndrome during general anesthesia. Accepted for oral presentation at Midwest Anesthesia Residents Conferences, April 1-3, 2011, Chicago, Illinois.


Herlong J, Soskin V. Bronchospasm and cardiac arrest during cesarean section. Accepted for oral presentation at Midwest Anesthesia Residents Conferences, April 1-3, 2011, Chicago, Illinois.

Kable T, Wang H, Rusin K. Rare complications of central venous catheter placement. Accepted for oral presentation at Midwest Anesthesia Residents Conferences, April 1-3, 2011, Chicago, Illinois.

Khan S, Perov S. Metabolic acidosis associated with Propofol during general anesthesia for spinal surgery. Accepted for oral presentation at Midwest Anesthesia Residents Conferences, April 1-3, 2011, Chicago, Illinois.


Nagabhushana AH, Perov S. Airway Management in a Patient Presenting with Stridor Due to Supraglottic Mass. Accepted for oral presentation at Midwest Anesthesia Residents Conferences, April 1-3, 2011, Chicago, Illinois.

Rashid K, Haber H. Case of Anaphylaxis Following Intravesical Methylene Blue. Accepted for oral presentation at Midwest Anesthesia Residents Conferences, April 1-3, 2011, Chicago, Illinois.

Muppuri R, Agarwal S, Soskin V. Factors influencing inadequate pain relief with labor epidurals: Multivariate analysis, a prospective observational study. Accepted for Poster Presentation at Society for Obstetric Anesthesia & Perinatology Annual Meeting, April, 2011, Las Vegas, Nevada.

Manees C, Ittiara B, Lininger T. Delusional Parasitosis Associated with Intrathecal Ziconotide. Accepted for poster presentation at Advanced Techniques for Acute and Chronic Pain Management April 29- May 1, 2011, Detroit, MI.

Lewis D. First person narratives from chronic pain patients who have overcome addiction: Words from the street. Accepted for poster presentation at Advanced Techniques for Acute and Chronic Pain Management April 29- May 1, 2011, Detroit, MI.

Steindler J, Lininger T, Goetz S, Hanley K, Thomas R. A retrospective analysis of changes in Impedance as an important parameter for spinal cord and peripheral field neurostimulation. Accepted for poster presentation at Advanced Techniques for Acute and Chronic Pain Management April 29- May 1, 2011, Detroit, MI.


Toshniwal G. Acute Neurochemical response to the mu opioid receptor agonist (MOR) fentanyl or the alpha 2A adrenergic receptor agonist (alpha 2A R) Dexmedetomidine: A comparative study with 11.7T 1H Magnetic resonance spectroscopy (MRS) in rats” Accepted for oral presentation at the 2011 SEMCME Research Forum on May 18, 2011, Rochester, MI.


Abrishamkar A. Wang H. FINDING OF EUSTACHIAN VALVE VEGETATION WITH USE OF TRANSESOPHAGEAL ECHOCARDIOGRAPHY FOR REFRACTORY INTRAOPERATIVE HYPOTENSION. Poster and Abstract presentation. Accepted, Midwest Anesthesia Resident's Conference (MARC) March 16-18, 2012, Chicago, IL. 3rd Place Winner of poster contest.

Bhangoo B, Orlewicz M. ANESTHETIC MANAGEMENT OF A LEFT VENTRICULAR ANEURYSMECTOMY. Poster and Abstract presentation. Accepted, Midwest Anesthesia Resident's Conference (MARC) March 16-18, 2012, Chicago, IL.

DelBene C, Betel A. CONVERSION DISORDER FOLLOWING GYNECOLOGIC SURGERY. Poster and Abstract presentation. Accepted, Midwest Anesthesia Resident's Conference (MARC) March 16-18, 2012, Chicago, IL.

Fattouch P, Orlewicz M. POSTOPERATIVE MYOCARDIAL INFARCTION WITH PRIOR NEGATIVE STRESS TEST. Poster and Abstract presentation. Accepted, Midwest Anesthesia Resident's Conference (MARC) March 16-18, 2012, Chicago, IL.
Khan S, Perov S. A NOVEL APPLICATION OF INTERCOSTAL NERVE BLOCKS: THORACOSCOPIC INTRATHORACIC INTERCOSTAL NERVE BLOCKS AS AN ADJUNCT FOR POSTOPERATIVE PAIN MANAGEMENT FOLLOWING A VATS PROCEDURE. Poster and Abstract presentation. Accepted, Midwest Anesthesia Resident's Conference (MARC) March 16-18, 2012, Chicago, IL.

Khoury P, Haber H. LUMBAR SYMPATHETIC NERVE BLOCK FOR REMISSION OF COMPLEX REGIONAL PAIN SYNDROME. Poster and Abstract presentation. Accepted, Midwest Anesthesia Resident's Conference (MARC) March 16-18, 2012, Chicago, IL.


Nchotu M, Orlewicz M. ASSIST CONTROL VERSUS CONTROLLED MECHANICAL VENTILATION IN A TERMINALLY ILL ICU PATIENT WITH INTRA-AORTIC BALLOON PUMP. Poster and Abstract presentation. Accepted, Midwest Anesthesia Resident's Conference (MARC) March 16-18, 2012, Chicago, IL.


Petrovas S, Wang H. LUMBAR DRAIN FOR SPINAL CORD INJURY PREVENTION AFTER ENDOVASCULAR REPAIR IN AN INCOMPLETE PARAPLEGIC. Poster and Abstract presentation. Accepted, Midwest Anesthesia Resident's Conference (MARC) March 16-18, 2012, Chicago, IL.

Rahal R, Orlewicz M. ACUTE AIRWAY OBSTRUCTION FOLLOWING CHEST TUBE OCCLUSION & MASSIVE SUBCUTANEOUS EMPHYSEMA. Poster and Abstract presentation. Accepted, Midwest Anesthesia Resident's Conference (MARC) March 16-18, 2012, Chicago, IL.


Young J, Soskin V. Sudden Cardiovascular Collapse of the Parturient During Cesarean Section. Poster and Abstract presentation. Accepted, Midwest Anesthesia Resident's Conference (MARC) March 16-18, 2012, Chicago, IL.


Choromanski D, Frederick J, McKelvey G, Wang H. Intraoperative hand-over of patients between anesthesiology providers; are we as good as we think we are? Poster and Abstract presentation. Accepted, GME QuESST Research Day Poster Competition, April 18, 2012, Detroit, MI.


Gupta D, Srirajakalidindi A, Soskin V. As compared to Continuous Labor Epidural Analgesia, Dural Puncture Epidural Analgesia only reduces the incidence of immediate failures of epidural analgesia. Submitted for presentation to Society for Obstetric Anesthesia and Perinatology (SOAP) 44th Annual Meeting, May 2-5, 2012, Monterey, CA.


Soskin, V. A Comparative Retrospective Analysis of the Peri-Partum Pain Management of the Buprenorphine-Managed Opioid Dependent Pregnant Patients: A Comparison between Opioid and Non-Opioid Based Neuraxial Medications.

Perov S. A Multi-Center, Randomized, Open-Label, Surgical Surveillance Trial to Evaluate the Safety and Efficacy of a Shortened Infusion Time of Intravenous Ibuprofen.


Kaminski E. Changes in the Cerebral Ozimetry Secondary to Induction of Anesthesia: A Case Series Discussing the Comparison Between Inhalation and Intravenous Induction.

Perov S, Kowalski, S. Comparing the Effectiveness of Triamcinolone Single Shot Epidural Steroid Injection versus Dexamethasone Continuous Epidural Infusion for Back Pain.


Zestos M, Gupta D. Changes in the cerebral oximetry secondary to induction of anesthesia: A retrospective review to elicit the comparison between inhalation and intravenous induction.


Wang H, Choromanski D. Intraoperative hand-over of patient information between anesthesia providers; are we as good as we think we are?


Perov S, Abatiell A. A Multi-Center, Randomized, Open-Label, Surgical Surveillance Trial to Evaluate the Safety and Efficacy of a Shortened Infusion Time of Intravenous Ibuprofen.
**Research Activity**

**Ahmed Z**: A Prospective Study of the Role of Simethicone in the Prevention and Reduction of Emergence Agitation in Children, 2007


**Basson M**: Effects of extracellular pressure on macrophage phagocytosis, 2007

**Basson M**: Propofol Reverse Pressure Activation of THP1 Monocyte-like cell lines, 2007


**Chidiac E, Young E**: Ultrasound Guided Axillary Nerve Blocks: A Randomized prospective Study Evaluating Effects of Adding Dexamethasone to Solution Versus IV Dexamethasone, 2007

**Fuleihan S, Osta W, Raad R**: Antiplatelet Agents and Neuroaxial Anesthesia: Experience in over 1000 patients, 2007

**Fuleihan S, Osta W, Raad R**: The Effect of Intravenous Naloxone on Pruritis and Nausea in Patients Receiving Epidural Hydromorphone, 2007

**McKelvey G, Marsh H**: Neurochemical profile changes in a rat brain under the influence of injectable anesthetics Ketamine assessed by Magnetic Resonance Spectroscopy, 2007

**McKelvey G, Cherro A**: the neurochemical Profile of the Neuropathic Pain using 1H MRS at 12 Tesla, 2007

**Marsh H, McKelvey G**: Neurochemical profile changes in a rat brain under the influence of injectable anesthetics (propofol) as assessed by Magnetic Resonance Spectroscopy, 2007

**Marsh H, Toshniwal G**: Effect of PAT on Cancellation Rate of Same day and Outpatient Surgeries – A Retrospective Analysis, 2007

**Marsh H, McKelvey G**: The Neurochemical Profile of the Idiopathic Pain using the Anesthetic propofol Using In Vivo 1H MRS at 4 Tesla, 2007

**Perov S, Raiskin A**: Efficiency of Illioinguinal and Illiohypogastric Nerve Block in the Treatment of Long Term Pain after Inguinal Hernia Repair, 2007


**Perov S, Young E, Villasenor N**: Pain Control and MRF: Epidural Catheters, Paravertebral Catheters, and Intercostal Nerve Blocks, A Prospective Random Trial, 2007


Manees C, Mishal J, Perov S: A Multicenter, Randomized, Controlled, Parallel-Group Study of intravenous methylnaltrexone (MOA-728) for the Treatment of Post-Operative ileums Following Ventral hernia Repair (301), 2008


Perov S: A Multi-center, Randomized, Placebo-Controlled, Double-Blinded Study of the Efficacy and Safety of Lubiprostone in Patients with Opioid-induced Bowel Dysfunction, 2008

Soskin, V, Gokul Toshniwal, M.D Anesthetic management after reactivation of epidural catheter for postpartum tubal ligation: A 5-year retrospective analysis in Hutzel Hospital. 2008


Patel, Villasenor, Toshniwal, Perov. Effect of Different Volumes of Mepivacaine for Axillary Block Under Ultrasound Guidance – A Retrospective Analysis, 2009

Shrestha, Hanna, Gupta, Sangroula, Kalidindi, Habli, Perov. Quality Investigation of PONV Risk Assessment and Prophylaxis at Harper University Hospital, 2009

Muppuri, Toshniwal, Soskin. General Anesthesia vs Regional Anesthesia for Cesarean Section in Hutzel Women’s Hospital: A Retrospective Study, 2009

Kaddoum, Beshai, Motlani, Soskin. A Randomized Trial Comparing Three Different Concentrations of Bupivacaine for First Stage Labor Epidural, 2009

Agarwal, Muppuri, Moussa, Kumar, Rusin. Use of Tissue-Factor Thromboelastography in Predicting Bleeding and the Need for Blood and Blood Product Transfusions in Patients Undergoing Cardiac Surgery, 2009
Delbene, C, Panagopoulos P, Foster N, Young J, Marsh HM. Utility and cost effectiveness of panceulture in febrile patients in the intensive care unit, 2009


Tosynwal G, Wang H. Survey the level of Awareness among Anaesthesia Residents about the Political Action Committees (PACs) of Anaesthesia Societies, 2010

Gupta D, Kalidindi A, Habli N, Haber H. Correlation of the non-invasive ultrasound confirmation of Laryngeal Mask Airway (LMA) correct placement with standard of care invasive fiberoptic scope confirmation, 2010


Muppuri R, Kumar S, Li C, Cooper L, Wang H. Comparison of Patient Controlled Analgesia to Epidural Analgesia for Postoperative Pain Management after Laparoscopic Gastric Bypass Surgery: A Retrospective Study, 2010

Vaidya R, Perov S. An Open-Label, Non-Randomized Dose-Escalation Study to Assess Safety and Tolerability of SI-6603 in Patients with Lumbar Disc Herniation (Phase II Study), 2010


Toshniwal G, Gupta D, Hanna J, Coleman A, McKelvey, G, Soskin, V. Post-Operative Pain Control after Cesarean Section: Comparison between Continuous Epidural, Sub-Arachnoid Block with Astramorph, and Sub-Arachnoid Block with Transversus Abdominis Plane (TAP) Block, 2010


Deepak G, Rusin K. The testing of feasibility for sleep endotracheal intubation with Glidescope in the semi-erect position in morbidly obese population undergoing bariatric surgery: A comparative study with rapid sequence induction with Glidescope in the supine position, 2010

Steindler J, Lininger T. Paresthesia Mapping with Peripheral Field Neurostimulation With and Without Cross Talk: A Retrospective Analysis, 2010


Habli, N. Polysubstance Abuse as a Risk Factor for a Longer Stay in the ICU after CABG Surgery. Presented at the American Society of Anesthesiologists, October 2010, San Diego, California.
Muppuri, R. Anesthesia management for Cesarean Section in Hutzel Women Hospital: A 5 Years Retrospective Survey. Presented at the American Society of Anesthesiologists, October 2010, San Diego, California.


Gupta, D. Pre-emptive Differential Sensory Blockade with Epidural Bupivacaine for Peripartum Analgesia in Opioid Dependent Patients. Presented at the American Society of Anesthesiologists, October 2010, San Diego, California.


Muppuri, R. Complete loss of vision for more than one day after Whipple surgery Dr. Muppuri: Paraplegia after intercostal neurolysis. Presented at the American Society of Anesthesiologists, October 2010, San Diego, California.

Apple, L. Mitral Valvuloplasty During Pregnancy. Presented at the American Society of Anesthesiologists, October 2010, San Diego, California.


Begalke, J. Utilizing PSVPro Ventilation Mode for a Quick Mask Case in a Four Year Old Boy with Spinal Muscular Atrophy. Presented at the American Society of Anesthesiologists, October 2010, San Diego, California.


Nguyen K, Brown J. Chronic orthostatic hypotension after neurolytic celiac plexus block: A case study, September, 2010

Perov S, et al. Evaluation of ultrasound guided epidural steroid injection technique with fluoroscopic confirmation in low back pain (LBP) patients – an observational study, 2010

Chidiac E, et al. The effect of continuous interscalene brachial plexus block with 0.125% Bupivacaine versus 0.2% Ropivacaine on Diaphragmatic Motility and Ventilatory Function, August 2010

Orlewicz M (PI), Gupta D, Wood A. Angioedema and intubating the difficult airway: A retrospective comparison between the fiberoptic bronchoscope and the glidoscope, October 2010

Perov S. Pregabalain in attenuating Postoperative delirium following Orthopedic surgery: A Pilot Study, October 2010


Soskin V. The Ultrasonographic Visualization of the Subarachnoid Transfer of the Epidural Medications During Labor Epidural Analgesia, April 2011

Soskin, V. A Comparative Retrospective Analysis of the Peri-Partum Pain Management of the Buprenorphine-Managed Opioid Dependent Pregnant Patients: A Comparison between Opioid and Non-Opioid Based Neuraxial Medications, April 2011


Osta W. Anesthesia related closed claims and litigations at the Detroit Medical Center: Analysis lessons learned, and conclusions, May 2011

Perov S, Kumar S, Orelwicz M. Pregabalin for Treatment and Prevention of Neuropathic Pain Following Acute Burn Injury, June 2011