



DEPARTMENT PUBLICATIONS

DEPARTMENT OF ANESTHESIOLOGY, PERIOPERATIVE AND PAIN MEDICINE
BOSTON CHILDREN'S HOSPITAL
JULY 1, 2012 - JUNE 30, 2013

- 1.) Agus MS, Steil GM, Wypij D, Costello JM, **Laussen PC**, Langer M, Alexander JL, Scoppettuolo LA, Pigula FA, Charpie JR, Ohye RG, Gaies MG; SPECS Study Investigators. Tight glycemic control versus standard care after pediatric cardiac surgery. *N Engl J Med*. 2012 Sep 27;367(13):1208-19.
- 2.) Allee JI, Goins KM, **Berde CB**, McCann ME. A case of cerebrospinal fluid leak in an infant after spinal anesthesia. *J Clin Anesth*. 2013 May;25(3):217-9.
- 3.) **Bajic D, Berde CB, Commons KG**. Periaqueductal gray neuroplasticity following chronic morphine varies with age: role of oxidative stress. *Neuroscience*. 2012 Dec 13;226:165-77.
- 4.) **Bajic D, Commons KG, Soriano SG**. Morphine-enhanced apoptosis in selective brain regions of neonatal rats. *Int J Dev Neurosci*. 2013 Jun;31(4):258-66.
- 5.) Baker RB, Summer SS, Lawrence M, Shova A, McGraw CA, **Khoury J**. Determining optimal waste volume from an intravenous catheter. *J Infus Nurs*. 2013 Mar;36(2):92-6.
- 6.) Bang SJ, **Commons KG**. Forebrain GABAergic projections from the dorsal raphe nucleus identified by using GAD67-GFP knock-in mice. *J Comp Neurol*. 2012 Dec 15;520(18):4157-67.
- 7.) Barbosa JA, Barayan G, Gridley CM, Sanchez DC, Passerotti CC, **Houck CS**, Nguyen HT. Parent and patient perceptions of robotic vs open urological surgery scars in children. *J Urol*. 2013 Jul;190(1):244-50.
- 8.) Barranco-Pons R, Burrows PE, **Landrigan-Ossar M**, Trenor CC 3rd, Alomari AI. Gross hemoglobinuria and oliguria are common transient complications of sclerotherapy for venous malformations: review of 475 procedures. *AJR Am J Roentgenol*. 2012 Sep;199(3):691-4.
- 9.) Barrandeguy M, Vissani A, Olguin C, Barbara G, Valenzuela H, **Becerra L**, Tordoya M, Miño S, Thiry E. Experimental infection with equid herpesvirus 3 in seronegative and seropositive mares. *Vet Microbiol*. 2012 Dec 7;160(3-4):319-26.
- 10.) Barrett CS, Jaggars JJ, Cook EF, Graham DA, Yarlalagadda VV, Teele SA, Almond CS, Bratton SL, Seeger JD, Dalton HJ, Rycus PT, **Laussen PC**, Thiagarajan RR. Pediatric ECMO outcomes: comparison of centrifugal versus roller blood pumps using propensity score matching. *ASAIO J*. 2013 Mar-Apr;59(2):145-51.
- 11.) **Becerra L**, Navratilova E, Porreca F, **Borsook D**. Analogous responses in the nucleus accumbens and cingulate cortex to pain onset (aversion) and offset (relief) in rats and humans. *J Neurophysiol*. 2013 Sep;110(5):1221-6.
- 12.) **Becerra L**, Upadhyay J, Chang PC, Bishop J, Anderson J, Baumgartner R, Schwarz AJ, Coimbra A, Wallin D, Nutile L, George E, Maier G, Sunkaraneni S, Iyengar S, Evelhoch JL, Bleakman D, Hargreaves R, **Borsook D**. Parallel buprenorphine phMRI responses in conscious rodents and healthy human subjects. *J Pharmacol Exp Ther*. 2013 Apr;345(1):41-51.
- 13.) Bechard LJ, Parrott JS, **Mehta NM**. Systematic review of the influence of energy and protein intake on protein balance in critically ill children. *J Pediatr*. 2012 Aug;161(2):333-9.e1.
- 14.) Bechard LJ, Rothpletz-Puglia P, Touger-Decker R, Duggan C, **Mehta NM**. Influence of obesity on clinical outcomes in hospitalized children: a systematic review. *JAMA Pediatr*. 2013 May;167(5):476-82.

- 15.) Beck EM, Cavelti M, Wirtz M, **Kossowsky J**, Vauth R. How do socio-demographic and clinical factors interact with adherence attitude profiles in schizophrenia? A cluster-analytical approach. *Psychiatry Res.* 2011 May 15;187(1-2):55-61.
- 16.) Benzon HT, Kendall MC, Katz JA, **Benzon HA**, Malik K, Cox P, Dean K, Avram MJ. Prescription patterns of pain medicine physicians. *Pain Pract.* 2013 Jul;13(6):440-50.
- 17.) Bertolizio G, **Yuki K**, **Odegard K**, Collard V, **Dinardo J**. Cardiac Arrest and Neuromuscular Blockade Reversal Agents in the Transplanted Heart. *J Cardiothorac Vasc Anesth.* 2012 Nov 16.
- 18.) **Borsook D**, Burstein R. The enigma of the dorsolateral pons as a migraine generator. *Cephalalgia.* 2012 Aug;32(11):803-12.
- 19.) **Borsook D**, Edwards R, Elman I, Becerra L, Levine J. Pain and analgesia: the value of salience circuits. *Prog Neurobiol.* 2013 May;104:93-105.
- 20.) **Borsook D**, Kalso E. Transforming pain medicine: adapting to science and society. *Eur J Pain.* 2013 Sep;17(8):1109-25.
- 21.) **Borsook D**, **Kussman BD**, George E, Becerra LR, Burke DW. Surgically induced neuropathic pain: understanding the perioperative process. *Ann Surg.* 2013 Mar;257(3):403-12.
- 22.) **Borsook D**, Upadhyay J, Klimas M, Schwarz AJ, Coimbra A, Baumgartner R, George E, Potter WZ, Large T, Bleakman D, Evelhoch J, Iyengar S, Becerra L, Hargreaves RJ. Decision-making using fMRI in clinical drug development: revisiting NK-1 receptor antagonists for pain. *Drug Discov Today.* 2012 Sep;17(17-18):964-73.
- 23.) **Borsook D**. Objectifying chronic pain: from the patient to diagnostic metrics. *Virtual Mentor.* 2013 May 1;15(5):439-42.
- 24.) Brand S, Wilhelm FH, **Kossowsky J**, Holsboer-Trachsler E, Schneider S. Children suffering from separation anxiety disorder (SAD) show increased HPA axis activity compared to healthy controls. *J Psychiatr Res.* 2011 Apr;45(4):452-9.
- 25.) Brown DW, Gauvreau K, Powell AJ, Lang P, Del Nido PJ, **Odegard KC**, Geva T. Cardiac magnetic resonance versus routine cardiac catheterization before bidirectional Glenn anastomosis: Long-term follow-up of a prospective randomized trial. *J Thorac Cardiovasc Surg.* 2013 Feb 1.
- 26.) Bruehl S, Apkarian AV, Ballantyne JC, Berger A, **Borsook D**, Chen WG, Farrar JT, Haythornthwaite JA, Horn SD, Iadarola MJ, Inturrisi CE, Lao L, Mackey S, Mao J, Sawczuk A, Uhl GR, Witter J, Woolf CJ, Zubieta JK, Lin Y. Personalized medicine and opioid analgesic prescribing for chronic pain: opportunities and challenges. *J Pain.* 2013 Feb;14(2):103-13.
- 27.) **Burch TM**, Mizuguchi KA, **DiNardo JA**. Echocardiographic assessment of atrial septal defects. *Anesth Analg.* 2012 Oct;115(4):772-5.
- 28.) Caplan B, Zimmet SV, **Meyer EC**, Friedman-Yakoobian M, Monteleone T, Jude Leung Y, Guyer ME, Rood LL, Keshavan MS, Seidman LJ. Prevention and recovery in early psychosis (PREP(®)): building a public-academic partnership program in Massachusetts, United States. *Asian J Psychiatr.* 2013 Apr;6(2):171-7.

- 29.) Carbo C, **Yuki K**, Demers M, Wagner DD, Shimaoka M. Isoflurane inhibits neutrophil recruitment in the cutaneous Arthus reaction model. *J Anesth.* 2013 Apr;27(2):261-8.
Cardiovasc Surg. 2012 Oct;144(4):896-906.
- 30.) Cavelti M, Beck EM, Kvrjic S, **Kossowsky J**, Vauth R. The Role of Subjective Illness Beliefs and Attitude Toward Recovery Within the Relationship of Insight and Depressive Symptoms Among People With Schizophrenia Spectrum Disorders. *J Clin Psychol.* 2012 Feb 13.
- 31.) Cavelti M, Contin G, Beck EM, Kvrjic S, **Kossowsky J**, Stieglitz RD, Vauth R. Validation of the Illness Perception Questionnaire for Schizophrenia in a German-speaking sample of outpatients with chronic schizophrenia. *Psychopathology.* 2012;45(4):259-69.
- 32.) Cavelti M, Kvrjic S, Beck EM, **Kossowsky J**, Vauth R. Assessing recovery from schizophrenia as an individual process. A review of self-report instruments. *Eur Psychiatry.* 2012 Jan;27(1):19-32.
- 33.) Chellappa V, Taylor KN, Pedrick K, **Donado C**, Netravali IA, Haider K, Cariappa A, Dalomba NF, Pillai S. M89V Sialic acid Acetyl Esterase (SIAE) and all other non-synonymous common variants of this gene are catalytically normal. *PLoS One.* 2013;8(1):e53453.
- 34.) Chen PC, Cubberley AT, Reyes K, **Zurakowski D**, Baird CW, Pigula FA, Geva T, Emani SM. Predictors of reintervention after repair of interrupted aortic arch with ventricular septal defect. *Ann Thorac Surg.* 2013 Aug;96(2):621-8.
- 35.) Chin LI, Sankaranarayanan G, Dargar S, **Matthes K**, De S. Objective performance measures using motion sensors on an endoscopic tool for evaluating skills in natural orifice transluminal endoscopic surgery (NOTES). *Stud Health Technol Inform.* 2013;184:78-84.
- 36.) Chorley SJ, Galpin MR, Jayatilaka FW, Smith CG, **Logan DE**, Buitelaar MR. Tunable Kondo physics in a carbon nanotube double quantum dot. *Phys Rev Lett.* 2012 Oct 12;109(15):156804.
- 37.) Christakis PG, Tsai JC, Kalenak JW, **Zurakowski D**, Cantor LB, Kammer JA, Ahmed II. The Ahmed Versus Baerveldt Study: Three-Year Treatment Outcomes. *Ophthalmology.* 2013 Jun 21.
- 38.) Chu YF, Chang WH, Black RM, **Liu JR**, Sompol P, Chen Y, Wei H, Zhao Q, Cheng IH. Crude caffeine reduces memory impairment and amyloid $\beta(1-42)$ levels in an Alzheimer's mouse model. *Food Chem.* 2012 Dec 1;135(3):2095-102.
- 39.) **Claar RL**, **Kaczynski KJ**, Minster A, McDonald-Nolan L, **LeBel AA**. School functioning and chronic tension headaches in adolescents: improvement only after multidisciplinary evaluation. *J Child Neurol.* 2013 Jun;28(6):719-24.
- 40.) Cleveland RH, Gordon LB, **Kleinman ME**, Miller DT, Gordon CM, Snyder BD, Nazarian A, Giobbie-Hurder A, Neuberg D, Kieran MW. A prospective study of radiographic manifestations in Hutchinson-Gilford progeria syndrome. *Pediatr Radiol.* 2012 Sep;42(9):1089-98.
- 41.) Cohen-Karni T, Jeong KJ, Tsui JH, Reznor G, Mustata M, Wanunu M, Graham A, Marks C, Bell DC, Langer R, **Kohane DS**. Nanocomposite gold-silk nanofibers. *Nano Lett.* 2012 Oct 10;12(10):5403-6.
- 42.) Cohen-Karni T, Langer R, **Kohane DS**. The smartest materials: the future of nanoelectronics in medicine. *ACS Nano.* 2012 Aug 28;6(8):6541-5.

- 43.) Colgan LA, Cavolo SL, **Commons KG**, Levitan ES. Action potential-independent and pharmacologically unique vesicular serotonin release from dendrites. *J Neurosci*. 2012 Nov 7;32(45):15737-46.
- 44.) Costello JM, O'Brien M, Wypij D, Shubert J, Salvin JW, Newburger JW, **Laussen PC**, **Arnold JH**, Fynn-Thompson F, Thiagarajan RR. Quality of life of pediatric cardiac patients who previously required extracorporeal membrane oxygenation. *Pediatr Crit Care Med*. 2012 Jul;13(4):428-34.
- 45.) Cousens LP, **Tassone R**, Mazer BD, Ramachandiran V, Scott DW, De Groot AS. Tregitope update: mechanism of action parallels IVIg. *Autoimmun Rev*. 2013 Jan;12(3):436-43.
- 46.) **Cravero JP**, Fanciullo GJ, McHugo GJ, Baird JC. The validity of the Computer Face Scale for measuring pediatric pain and mood. *Paediatr Anaesth*. 2013 Feb;23(2):156-61.
- 47.) Cummings KJ, **Commons KG**, Trachtenberg FL, Li A, Kinney HC, Nattie EE. Caffeine improves the ability of serotonin-deficient (Pet-1^{-/-}) mice to survive episodic asphyxia. *Pediatr Res*. 2013 Jan;73(1):38-45.
- 48.) Curley MA, **Meyer EC**, Scoppettuolo LA, McGann EA, Trainor BP, Rachwal CM, Hickey PA. Parent presence during invasive procedures and resuscitation: evaluating a clinical practice change. *Am J Respir Crit Care Med*. 2012 Dec 1;186(11):1133-9.
de Caen AR, **Kleinman ME**. Pediatric CPR quality targets--not just for 'grown-ups'. *Resuscitation*. 2013 Feb;84(2):141-2.
- 49.) de los Ríos F, Kleindorfer DO, **Khoury J**, Broderick JP, Moomaw CJ, Adeoye O, Flaherty ML, Khatri P, Woo D, Alwell K, Eilerman J, Ferioli S, Kissela BM. Trends in substance abuse preceding stroke among young adults: a population-based study. *Stroke*. 2012 Dec;43(12):3179-83.
- 50.) Dickey JS, Gonzalez Y, Aryal B, Mog S, Nakamura AJ, Redon CE, Baxa U, Rosen E, Cheng G, Zielonka J, Parekh P, **Mason KP**, Joseph J, Kalyanaraman B, Bonner W, Herman E, Shacter E, Rao VA. Mito-Tempol and Dexrazoxane Exhibit Cardioprotective and Chemotherapeutic Effects through Specific Protein Oxidation and Autophagy in a Syngeneic Breast Tumor Preclinical Model. *PLoS One*. 2013 Aug 5;8(8):e70575.
- 51.) **DiNardo JA**. Blood transfusions might be bad for you; that is unless you are bleeding. *Anesth Analg*. 2013 Jun;116(6):1201-3.
- 52.) **Dinardo JA**. Heart failure associated with adult congenital heart disease. *Semin Cardiothorac Vasc Anesth*. 2013 Mar;17(1):44-54.
- 53.) Djalali AG, Wang JC, Perez-Valdivieso JR, Danninger T, Fritsch G, **Zurakowski D**, Gerner P. Ephedrine shows synergistic motor blockade when combined with bupivacaine or lidocaine for spinal anesthesia in a rat model. *Anesth Analg*. 2013 Apr;116(4):944-8.
- 54.) Djonović S, Urbach JM, Drenkard E, Bush J, Feinbaum R, Ausubel JL, Traficante D, Risech M, Kocks C, Fischbach MA, **Priebe GP**, Ausubel FM. Trehalose biosynthesis promotes *Pseudomonas aeruginosa* pathogenicity in plants. *PLoS Pathog*. 2013 Mar;9(3):e1003217.

- 55.) Dong HW, Zhang S, Sun WG, Liu Q, **Ibla JC**, **Soriano SG**, Han XH, Liu LX, Li MS, **Liu JR**. β -Ionone arrests cell cycle of gastric carcinoma cancer cells by a MAPK pathway. Arch Toxicol. 2013 Oct;87(10):1797-808.
- 56.) Dridi S, Hirano Y, Tarallo V, Kim Y, Fowler BJ, Ambati BK, Bogdanovich S, Chiodo VA, Hauswirth WW, Kugel JF, Goodrich JA, Ponicsan SL, Hinton DR, **Kleinman ME**, Baffi JZ, Gelfand BD, Ambati J. ERK1/2 activation is a therapeutic target in age-related macular degeneration. Proc Natl Acad Sci U S A. 2012 Aug 21;109(34):13781-6.
- 57.) Driessen C, Joosten KF, Florisson JM, Lequin M, van Veelen ML, Dammers R, Bredero-Boelhouwer H, **Tasker RC**, Mathijssen IM. Sleep apnoea in syndromic craniosynostosis occurs independent of hindbrain herniation. Childs Nerv Syst. 2013 Feb;29(2):289-96.
- 58.) Edwards JD, Houtrow AJ, Vasilevskis EE, Rehm RS, Markovitz BP, **Graham RJ**, Dudley RA. Chronic conditions among children admitted to U.S. pediatric intensive care units: their prevalence and impact on risk for mortality and prolonged length of stay*. Crit Care Med. 2012 Jul;40(7):2196-203.
- 59.) Emani S, **Zurakowski D**, Baird CW, Pigula FA, Trenor C 3rd, Emani SM. Hypercoagulability markers predict thrombosis in single ventricle neonates undergoing cardiac surgery. Ann Thorac Surg. 2013 Aug;96(2):651-6. Doi: 10.1016/j.athoracsur.2013.04.061.
- 60.) Eriksson CO, Graham DA, Uyeki TM, **Randolph AG**. Risk factors for mechanical ventilation in U.S. children hospitalized with seasonal influenza and 2009 pandemic influenza A*. Pediatr Crit Care Med. 2012 Nov;13(6):625-31.
- 61.) **Erpelding N**, Davis KD. Neural underpinnings of behavioural strategies that prioritize either cognitive task performance or pain. Pain. 2013 Oct;154(10):2060-71.
- 62.) **Erpelding N**, Moayed M, Davis KD. Cortical thickness correlates of pain and temperature sensitivity. Pain. 2012 Aug;153(8):1602-9.
- 63.) Fein JA, Zempsky WT, **Cravero JP**; Committee on Pediatric Emergency Medicine and Section on Anesthesiology and Pain Medicine; American Academy of Pediatrics.
- 64.) **Ferrari LR**, Micheli A, Whiteley C, Chazaro R, **Zurakowski D**. Criteria for assessing operating room utilization in a free-standing children's hospital. Paediatr Anaesth. 2012 Jul;22(7):696-706.
- 65.) **Ferrari LR**, **Zurakowski D**, Solari J, Rahbar R. Laryngeal cleft repair: the anesthetic perspective. Paediatr Anaesth. 2013 Apr;23(4):334-41.
- 66.) Friehs I, **Cowan DB**, Choi YH, Black KM, Barnett R, Bhasin MK, Daly C, Dillon SJ, Libermann TA, **McGowan FX**, del Nido PJ, Levitsky S, McCully JD. Pressure-overload hypertrophy of the developing heart reveals activation of divergent gene and protein pathways in the left and right ventricular myocardium. Am J Physiol Heart Circ Physiol. 2013 Mar 1;304(5):H697-708.
- 67.) Gaies MG, Langer M, Alexander J, Steil GM, Ware J, Wypij D, **Laussen PC**, Newburger JW, Goldberg CS, Pigula FA, Shukla AC, Duggan CP, Agus MS; Safe Pediatric Euglycemia after Cardiac Surgery Study Group. Design and rationale of safe pediatric euglycemia after cardiac surgery: a randomized controlled trial of tight glycemic control after pediatric cardiac surgery. Pediatr Crit Care Med. 2013 Feb;14(2):148-56.

- 68.) **Gasior I**, Solari J, Young V, Bode J, Herdes RE, Chung M. An interdisciplinary approach to research management in anesthesia: the integrated clinical research team model. *Res Theory Nurs Pract*. 2012;26(4):279-89.
- 69.) Gear R, Becerra L, Upadhyay J, Bishop J, Wallin D, Pendse G, Levine J, **Borsook D**. Pain facilitation brain regions activated by nalbuphine are revealed by pharmacological fMRI. *PLoS One*. 2013;8(1):e50169.
- 70.) Ghanayem NS, Allen KR, Tabbutt S, Atz AM, Clabby ML, Cooper DS, Eghtesady P, Frommelt PC, Gruber PJ, Hill KD, Kaltman JR, **Laussen PC**, Lewis AB, Lurito KJ, Minich LL, Ohye RG, Schonbeck JV, Schwartz SM, Singh RK, Goldberg CS; Pediatric Heart Network Investigators. Interstage mortality after the Norwood procedure: Results of the multicenter Single Ventricle Reconstruction trial. *J Thorac Cardiovasc Surg*. 2012 Oct;144(4):896-906.
- 71.) Giglia TM, **Dinardo J**, Ghanayem NS, Ichord R, Niebler RA, **Odegard KC**, Massicotte MP, Yates AR, **Laussen PC**, Tweddell JS. Bleeding and thrombotic emergencies in pediatric cardiac intensive care: unchecked balances. *World J Pediatr Congenit Heart Surg*. 2012 Oct 1;3(4):470-91.
- 72.) Gómez-Laberge C, Rettig JS, Smallwood CD, Boyd TK, **Arnold JH**, Wolf GK. Interaction of dependent and non-dependent regions of the acutely injured lung during a stepwise recruitment manoeuvre. *Physiol Meas*. 2013 Feb;34(2):163-77.
- 73.) **Goobie SM**, **Meier PM**, **Sethna NF**, **Soriano SG**, **Zurakowski D**, Samant S, **Pereira LM**. Population pharmacokinetics of tranexamic acid in paediatric patients undergoing craniostomy surgery. *Clin Pharmacokinet*. 2013 Apr;52(4):267-76.
- 74.) **Gordon LB**, Cao K, Collins FS. Progeria: translational insights from cell biology. *J Cell Biol*. 2012 Oct 1;199(1):9-13.
- 75.) **Gordon LB**, **Kleinman ME**, Miller DT, Neuberg DS, Giobbie-Hurder A, Gerhard-Herman M, Smoot LB, Gordon CM, Cleveland R, Snyder BD, Fliigor B, Bishop WR, Statkevich P, Regen A, Sonis A, Riley S, Ploski C, Correia A, Quinn N, Ullrich NJ, Nazarian A, Liang MG, Huh SY, Schwartzman A, Kieran MW. Clinical trial of a farnesyltransferase inhibitor in children with Hutchinson-Gilford progeria syndrome. *Proc Natl Acad Sci U S A*. 2012 Oct 9;109(41):16666-71.
- 76.) **Gordon LB**, Waxman MJ, Ragsdale L, Mermel LA. Overtreatment of presumed urinary tract infection in older women presenting to the emergency department. *J Am Geriatr Soc*. 2013 May;61(5):788-92.
- 77.) Gorkem SB, Coskun A, Yikilmaz A, **Zurakowski D**, Mulkern RV, Lee EY. Evaluation of pediatric thoracic disorders: comparison of unenhanced fast-imaging-sequence 1.5-T MRI and contrast-enhanced MDCT. *AJR Am J Roentgenol*. 2013 Jun;200(6):1352-7.
- 78.) Gottschlich MM, Mayes T, **Khoury J**, Simakajornboon N, Kagan RJ. Comparison of sleep parameters obtained from actigraphy and polysomnography during the rehabilitative phase after burn. *J Burn Care Res*. 2013 Jan-Feb;34(1):183-90.
- 79.) Graham EM, Taylor SN, Zyblewski SC, Wolf B, Bradley SM, Hollis BW, **McGowan FX Jr**, Atz AM. Vitamin D status in neonates undergoing cardiac operations: relationship to cardiopulmonary bypass and association with outcomes. *J Pediatr*. 2013 Apr;162(4):823-6.

- 80.) Grant CW, Duclos SK, Moran-Paul CM, **Yahalom B**, Tirabassi RS, Arreaza-Rubin G, Spain LM, Guberski DL. Development of standardized insulin treatment protocols for spontaneous rodent models of type 1 diabetes. *Comp Med*. 2012 Oct;62(5):381-90.
- 81.) Grychtol B, Lionheart WR, Bodenstern M, **Wolf GK**, Adler A. Impact of model shape mismatch on reconstruction quality in electrical impedance tomography. *IEEE Trans Med Imaging*. 2012 Sep;31(9):1754-60.
- 82.) Gu M, **Vegas AJ**, Anderson DG, Langer RS, Kilduff JE, Belfort G. Combinatorial synthesis with high throughput discovery of protein-resistant membrane surfaces. *Biomaterials*. 2013 Aug;34(26):6133-8.
- 83.) Guite JW, **Logan DE**, Ely EA, Weisman SJ. The ripple effect: systems-level interventions to ameliorate pediatric pain. *Pain Manag*. 2012 Nov;2(6):593-601.
- 84.) Hall MW, Geyer SM, Guo CY, Panoskaltis-Mortari A, Jouvett P, Ferdinands J, Shay DK, Nateri J, Greathouse K, Sullivan R, Tran T, Keisling S, **Randolph AG**; Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network PICFlu Study Investigators. Innate immune function and mortality in critically ill children with influenza: a multicenter study. *Crit Care Med*. 2013 Jan;41(1):224-36.
- 85.) Hasan BS, Bautista-Hernandez V, McElhinney DB, Salvin J, **Laussen PC**, Prakash A, Geggel RL, Pigula FA. Outcomes of transcatheter approach for initial treatment of pulmonary atresia with intact ventricular septum. *Catheter Cardiovasc Interv*. 2013 Jan 1;81(1):111-8.
- 86.) Hashimoto M, Langer R, **Kohane DS**. Benchtop fabrication of microfluidic systems based on curable polymers with improved solvent compatibility. *Lab Chip*. 2013 Jan 21;13(2):252-9.
- 87.) Hashimoto M, Tong R, **Kohane DS**. Microdevices for nanomedicine. *Mol Pharm*. 2013 Jun 3;10(6):2127-44.
- 88.) Havidich JE, **Cravero JP**. The current status of procedural sedation for pediatric patients in out-of-operating room locations. *Curr Opin Anaesthesiol*. 2012 Aug;25(4):453-60.
- 89.) Heller DA, Levi Y, Pelet JM, Doloff JC, Wallas J, Pratt GW, Jiang S, Sahay G, Schroeder A, Schroeder JE, Chyan Y, Zurenko C, Querbes W, Manzano M, **Kohane DS**, Langer R, Anderson DG. Modular 'click-in-emulsion' bone-targeted nanogels. *Adv Mater*. 2013 Mar 13;25(10):1449-54.
- 90.) Hoare T, Young S, Lawlor MW, **Kohane DS**. Thermoresponsive nanogels for prolonged duration local anesthesia. *Acta Biomater*. 2012 Oct;8(10):3596-605.
- 91.) Hollman GA, Banks DM, Berkenbosch JW, Boswinkel JP, Eickhoff JC, Fagin D, Hagen SA, Hales RL, **Houck CS**, Kaur T, Kost S, Lowrie L, Nishisaki A, Scherrer PD, Stephenson L, Stormorken A, Cravero JP. Development, implementation, and initial participant feedback of a pediatric sedation provider course. *Teach Learn Med*. 2013;25(3):249-57.
- 92.) **Holzman RS**. Perioperative care of adolescents. *Curr Opin Anaesthesiol*. 2013 Jun;26(3):333-9. Hong H, Morrow DF, Sandora TJ, **Priebe GP**. Disinfection of needleless connectors with chlorhexidine-alcohol provides long-lasting residual disinfectant activity. *Am J Infect Control*. 2013 Aug;41(8):e77-9.
- 93.) **Ibla JC**, **Khoury J**. Methods to assess tissue permeability. *Methods Mol Biol*. 2013;1066:81-8.

- 94.) Inaba H, Moise L, Martin W, De Groot AS, Desrosiers J, **Tassone R**, Buchman G, Akamizu T, De Groot LJ. Epitope recognition in HLA-DR3 transgenic mice immunized to TSH-R protein or peptides. *Endocrinology*. 2013 Jun;154(6):2234-43.
- 95.) In-Albon T, **Kossowsky J**, Schneider S. Vigilance and avoidance of threat in the eye movements of children with separation anxiety disorder. *J Abnorm Child Psychol*. 2010 Feb;38(2):225-35.
- 96.) Jevtovic-Todorovic V, Absalom AR, Blomgren K, Brambrink A, Crosby G, Culley DJ, Fiskum G, Giffard RG, Herold KF, Loepke AW, Ma D, Orser BA, Planel E, Slikker W Jr, **Soriano SG**, Stratmann G, Vutskits L, Xie Z, Hemmings HC Jr. Anaesthetic neurotoxicity and neuroplasticity: an expert group report and statement based on the BJA Salzburg Seminar. *Br J Anaesth*. 2013 Aug;111(2):143-51.
- 97.) Jickling GC, Ander BP, Stamova B, Zhan X, Liu D, Rothstein L, Verro P, **Khoury J**, Jauch EC, Pancioli AM, Broderick JP, Sharp FR. RNA in blood is altered prior to hemorrhagic transformation in ischemic stroke. *Ann Neurol*. 2013 Mar 7.
- 98.) Jung Y, Kato M, Lee J, Gromski MA, Chuttani R, **Matthes K**. Effectiveness of circumferential endoscopic mucosal resection with a novel tissue-anchoring device. *World J Gastrointest Endosc*. 2013 Jun 16;5(6):275-80.
- 99.) Jung Y, Kato M, Lee J, Gromski MA, Chuttani R, **Matthes K**. Prospective, randomized comparison of a prototype endoscope with deflecting working channels versus a conventional double-channel endoscope for rectal endoscopic submucosal dissection in an established experimental simulation model (with video). *Gastrointest Endosc*. 2013 Jun 5.
- 100.) **Kaczynski KJ**, **Claar RL**, **Lebel AA**. Relations between pain characteristics, child and parent variables, and school functioning in adolescents with chronic headache: a comparison of tension-type headache and migraine. *J Pediatr Psychol*. 2013 May;38(4):351-64.
- 101.) Kamei A, Wu W, Traficante DC, Koh AY, Van Rooijen N, Pier GB, **Priebe GP**. Collaboration between macrophages and vaccine-induced CD4+ T cells confers protection against lethal *Pseudomonas aeruginosa* pneumonia during neutropenia. *J Infect Dis*. 2013 Jan 1;207(1):39-49.
- 102.) Kastrup CJ, Nahrendorf M, Figueiredo JL, Lee H, Kambhampati S, Lee T, Cho SW, Gorbатов R, Iwamoto Y, Dang TT, Dutta P, Yeon JH, Cheng H, Pritchard CD, **Vegas AJ**, Siegel CD, MacDougall S, Okonkwo M, Thai A, Stone JR, Coury AJ, Weissleder R, Langer R, Anderson DG. Painting blood vessels and atherosclerotic plaques with an adhesive drug depot. *Proc Natl Acad Sci U S A*. 2012 Dec 26;109(52):21444-9.
- 103.) Kato M, Gromski M, Jung Y, Chuttani R, **Matthes K**. The learning curve for endoscopic submucosal dissection in an established experimental setting. *Surg Endosc*. 2013 Jan;27(1):154-61.
Kestens Y, **Lebel A**, Chaix B, Clary C, Daniel M, Pampalon R, Theriault M, P Subramanian SV. Association between activity space exposure to food establishments and individual risk of overweight. *PLoS One*. 2012;7(8):e41418.
- 104.) **Kheir JN**, Polizzotti BD, Thomson LM, O'Connell DW, Black KJ, Lee RW, Wilking JN, Graham AC, Bell DC, **McGowan FX**. Bulk manufacture of concentrated oxygen gas-filled microparticles for intravenous oxygen delivery. *Adv Healthc Mater*. 2013 Aug;2(8):1131-41.

- 105.) **Kheir JN**, Walsh BK, Smallwood CD, Rettig JS, Thompson JE, Gómez-Laberge C, Wolf GK, **Arnold JH**. Comparison of 2 lung recruitment strategies in children with acute lung injury. *Respir Care*. 2013 Aug;58(8):1280-90.
- 106.) Khoo X, Simons EJ, Chiang HH, Hickey JM, Sabharwal V, Pelton SI, Rosowski JJ, Langer R, **Kohane DS**. Formulations for trans-tympanic antibiotic delivery. *Biomaterials*. 2013 Jan;34(4):1281-8.
- 107.) **Khoury JC**, Kleindorfer D, Alwell K, Moomaw CJ, Woo D, Adeoye O, Flaherty ML, Khatri P, Ferioli S, Broderick JP, Kissela BM. Diabetes mellitus: a risk factor for ischemic stroke in a large biracial population. *Stroke*. 2013 Jun;44(6):1500-4.
- 108.) King K, **Landrigan-Ossar M**, Clemens R, Chaudry G, Alomari AI. The use of endovenous laser treatment in toddlers. *J Vasc Interv Radiol*. 2013 Jun;24(6):855-8.
- 109.) Klein JD, Turner CG, Kamran SC, Yu AY, Ferrari L, **Zurakowski D**, Fauza DO. Pediatric postoperative intussusception in the minimally invasive surgery era: a 13-year, single center experience. *J Am Coll Surg*. 2013 Jun;216(6):1089-93.
- 110.) **Kleinman ME**, Ambati J. Cloning in on diabetic retinopathy. *Diabetes*. 2013 Jan;62(1):29-30.
- 111.) **Kossowsky J**, Pfaltz MC, Schneider S, Taeymans J, Locher C, Gaab J. The separation anxiety hypothesis of panic disorder revisited: a meta-analysis. *Am J Psychiatry*. 2013 Jul 1;170(7):768-81.
- 112.) **Kossowsky J**, Wilhelm FH, Roth WT, Schneider S. Separation anxiety disorder in children: disorder-specific responses to experimental separation from the mother. *J Child Psychol Psychiatry*. 2012 Feb;53(2):178-87.
- 113.) **Kossowsky J**, Wilhelm FH, Schneider S. Responses to voluntary hyperventilation in children with separation anxiety disorder: Implications for the link to panic disorder. *J Anxiety Disord*. 2013 Aug 26;27(7):627-634.
- 114.) Krakower TM, Montello M, Mitchell C, **Truog RD**. The ethics of reality medical television. *J Clin Ethics*. 2013 Spring;24(1):50-7.
- 115.) Kramer DE, Pace JL, Jarrett DY, **Zurakowski D**, Kocher MS, Micheli LJ. Diagnosis and management of symptomatic muscle herniation of the extremities: a retrospective review. *Am J Sports Med*. 2013 Sep;41(9):2174-80.
- 116.) Kurbanov DB, Currie PJ, Simonson DC, **Borsook D**, Elman I. Effects of naltrexone on food intake and body weight gain in olanzapine-treated rats. *J Psychopharmacol*. 2012 Sep;26(9):1244-51.
- 117.) Kvrjic S, Beck EM, Cavelti M, **Kossowsky J**, Stieglitz RD, Vauth R. Focusing on the adult attachment style in schizophrenia in community mental health centres: validation of the Psychosis Attachment Measure (PAM) in a German-speaking sample. *Int J Soc Psychiatry*. 2012 Jul;58(4):362-73.
- 118.) **LaRovere KL**, **Graham RJ**, **Tasker RC**; Pediatric Critical Nervous System Program (pCNSp). Pediatric neurocritical care: a neurology consultation model and implication for education and training. *Pediatr Neurol*. 2013 Mar;48(3):206-11.
- 119.) Lavoie R, **Lebel A**, Joerin F, Rodriguez MJ. Integration of groundwater information into decision making for regional planning: a portrait for North America. *J Environ Manage*. 2013 Jan 15;114:496-504.

- 120.) Lee EY, Jenkins KJ, Muneeb M, Marshall AC, Tracy DA, **Zurakowski D**, Boisselle PM. Proximal pulmonary vein stenosis detection in pediatric patients: value of multiplanar and 3-D VR imaging evaluation. *Pediatr Radiol*. 2013 Aug;43(8):929-36.
- 121.) Lee JJ, Jeong KJ, Hashimoto M, **Kwon AH**, Rwei A, Shankarappa SA, Tsui JH, **Kohane DS**. Synthetic Ligand-Coated Magnetic Nanoparticles for Microfluidic Bacterial Separation from Blood. *Nano Lett*. 2013 Jan 31.
- 122.) Leichtner AM, Gillis LA, Gupta S, Heubi J, Kay M, Narkewicz MR, **Rider EA**, Rufo PA, Sferra TJ, Teitelbaum J; NASPGHAN Training Committee; North American Society for Pediatric Gastroenterology. NASPGHAN guidelines for training in pediatric gastroenterology. *J Pediatr Gastroenterol Nutr*. 2013 Jan;56 Suppl 1:S1-8.
- 123.) Lesnik D, Cunnane ME, **Zurakowski D**, Acar GO, Ecevit C, Mace A, Kamani D, Randolph GW. Papillary thyroid carcinoma nodal surgery directed by a preoperative radiographic map utilizing CT scan and ultrasound in all primary and reoperative patients. *Head Neck*. 2013 Apr 2.
- 124.) Liang Y, Zheng T, Song R, Wang J, Yin D, Wang L, Liu H, Tian L, Fang X, Meng X, Jiang H, **Liu J**, Liu L. Hypoxia-mediated sorafenib resistance can be overcome by EF24 through Von Hippel-Lindau tumor suppressor-dependent HIF-1 α inhibition in hepatocellular carcinoma. *Hepatology*. 2013 May;57(5):1847-57.
- 125.) **Linnman C**, **Becerra L**, **Borsook D**. Inflaming the brain: CRPS a model disease to understand neuroimmune interactions in chronic pain. *J Neuroimmune Pharmacol*. 2013 Jun;8(3):547-63.
- 126.) **Linnman C**, **Becerra L**, **Lebel A**, **Berde C**, Grant PE, **Borsook D**. Transient and persistent pain induced connectivity alterations in pediatric complex regional pain syndrome. *PLoS One*. 2013;8(3):e57205.
- 127.) **Linnman C**, Coombs G 3rd, Goff DC, Holt DJ. Lack of insula reactivity to aversive stimuli in schizophrenia. *Schizophr Res*. 2013 Jan;143(1):150-7.
- 128.) **Linnman C**, **Maleki N**, Becerra L, **Borsook D**. Migraine tweets - what can online behavior tell us about disease? *Cephalalgia*. 2013 Jan;33(1):68-9.
- 129.) **Linnman C**. New pieces for the substance P puzzle. *Pain*. 2013 Jul;154(7):966-7.
- 130.) **Liu JR**, Baek C, Han XH, Shoureshi P, **Soriano SG**. Role of glycogen synthase kinase-3 β in ketamine-induced developmental neuroapoptosis in rats. *Br J Anaesth*. 2013 Jun;110 Suppl 1:i3-9.
- 131.) **Liu JR**, Liu Q, Li J, Baek C, Han XH, Athiraman U, **Soriano SG**. Noxious stimulation attenuates ketamine-induced neuroapoptosis in the developing rat brain. *Anesthesiology*. 2012 Jul;117(1):64-71.
- 132.) Liu Q, Dong HW, Sun WG, Liu M, **Ibla JC**, Liu LX, Parry JW, Han XH, Li MS, **Liu JR**. Apoptosis initiation of β -ionone in SGC-7901 gastric carcinoma cancer cells via a PI3K-AKT pathway. *Arch Toxicol*. 2013 Mar;87(3):481-90.
- 133.) **Logan DE**, Carpino EA, Chiang G, Condon M, Firm E, Gaughan VJ, Hogan M, Leslie DS, Olson K, **Sager S**, **Sethna N**, **Simons LE**, **Zurakowski D**, **Berde CB**. A day-hospital approach to treatment of

pediatric complex regional pain syndrome: initial functional outcomes. *Clin J Pain*. 2012 Nov-Dec;28(9):766-74.

134.) **Logan DE, Claar RL**, Guite JW, Kashikar-Zuck S, Lynch-Jordan A, Palermo TM, Wilson AC, Zhou C. Factor structure of the children's depression inventory in a multisite sample of children and adolescents with chronic pain. *J Pain*. 2013 Jul;14(7):689-98.

135.) **Logan DE**, Conroy C, **Sieberg CB, Simons LE**. Changes in willingness to self-manage pain among children and adolescents and their parents enrolled in an intensive interdisciplinary pediatric pain treatment program. *Pain*. 2012 Sep;153(9):1863-70.

136.) **Logan DE**, Engle LB, Feinstein AB, Sieberg CB, Sparling P, Cohen LL, Conroy C, Driesman D, Masuda A. Ecological system influences in the treatment of pediatric chronic pain. *Pain Res Manag*. 2012 Nov-Dec;17(6):407-11.

137.) **Logan DE**, Williams SE, Carullo VP, **Claar RL**, Bruehl S, **Berde CB**. Children and adolescents with complex regional pain syndrome: more psychologically distressed than other children in pain? *Pain Res Manag*. 2013 Mar-Apr;18(2):87-93.

138.) Madden K, Feldman HA, Smith EM, Gordon CM, Keisling SM, Sullivan RM, Hollis BW, Agan AA, **Randolph AG**. Vitamin D deficiency in critically ill children. *Pediatrics*. 2012 Sep;130(3):421-8.

139.) Madry H, Kaul G, **Zurakowski D**, Vunjak-Novakovic G, Cucchiari M. Cartilage constructs engineered from chondrocytes overexpressing IGF-I improve the repair of osteochondral defects in a rabbit model. *Eur Cell Mater*. 2013 Apr 16;25:229-47.

140.) Mahabee-Gittens EM, Xiao Y, Gordon JS, **Khoury JC**. The dynamic role of parental influences in preventing adolescent smoking initiation. *Addict Behav*. 2013 Apr;38(4):1905-11.

141.) **Maleki N, Becerra L, Borsook D**. Migraine: maladaptive brain responses to stress. *Headache*. 2012 Oct;52 Suppl 2:102-6.

142.) **Maleki N, Becerra L**, Brawn J, McEwen B, Burstein R, **Borsook D**. Common hippocampal structural and functional changes in migraine. *Brain Struct Funct*. 2013 Jul;218(4):903-12.

143.) **Maleki N**, Brawn J, Barmettler G, **Borsook D, Becerra L**. Pain response measured with arterial spin labeling. *NMR Biomed*. 2013 Jun;26(6):664-73.

144.) **Maleki N, Linnman C**, Brawn J, Burstein R, Becerra L, **Borsook D**. Her versus his migraine: multiple sex differences in brain function and structure. *Brain*. 2012 Aug;135(Pt 8):2546-59.

145.) Mashour GA, Avitsian R, Lauer KK, **Soriano SG**, Sharma D, Koht A, Crosby G; Society for Neuroscience in Anesthesiology and Critical Care. Neuroanesthesiology fellowship training: curricular guidelines from the Society for Neuroscience in Anesthesiology and Critical Care. *J Neurosurg Anesthesiol*. 2013 Jan;25(1):1-7.

146.) **Mason KP**, Lubisch N, Robinson F, Roskos R, Epstein MA. Intramuscular dexmedetomidine: an effective route of sedation preserves background activity for pediatric electroencephalograms. *J Pediatr*. 2012 Nov;161(5):927-32.

- 147.) **Mason KP**, Robinson F, Fontaine P, **Prescilla R**. Dexmedetomidine offers an option for safe and effective sedation for nuclear medicine imaging in children. *Radiology*. 2013 Jun;267(3):911-7.
- 148.) **Mason KP**, Zurakowski D, Zucker EJ, Tracy DA, Lee EY. Image quality of thoracic 64-MDCT angiography: imaging of infants and young children with or without general anesthesia. *AJR Am J Roentgenol*. 2013 Jan;200(1):171-6.
- 149.) Massey CA, Kim G, Corcoran AE, Haynes RL, Paterson DS, Cummings KJ, Dymecki SM, Richerson GB, Nattie EE, Kinney HC, **Commons KG**. Development of brainstem 5-HT1A receptor-binding sites in serotonin-deficient mice. *J Neurochem*. 2013 Sep;126(6):749-57.
- 150.) Masuzawa A, Black KM, Pacak CA, Ericsson M, Barnett RJ, Drumm C, Seth P, Bloch DB, Levitsky S, **Cowan DB**, McCully JD. Transplantation of autologously derived mitochondria protects the heart from ischemia-reperfusion injury. *Am J Physiol Heart Circ Physiol*. 2013 Apr 1;304(7):H966-82.
- 151.) Mazwi ML, Brown DW, Marshall AC, Pigula FA, **Laussen PC**, Polito A, Wypij D, Costello JM. Unplanned reinterventions are associated with postoperative mortality in neonates with critical congenital heart disease. *J Thorac Cardiovasc Surg*. 2013 Mar;145(3):671-7.
- 152.) McAlvin JB, Reznor G, Shankarappa SA, Stefanescu CF, **Kohane DS**. Local toxicity from local anesthetic polymeric microparticles. *Anesth Analg*. 2013 Apr;116(4):794-803.
- 153.) McAnulty G, Duffy FH, Kosta S, Weisenfeld NI, Warfield SK, Butler SC, Alidoost M, Bernstein JH, Robertson R, **Zurakowski D**, Als H. School-age effects of the newborn individualized developmental care and assessment program for preterm infants with intrauterine growth restriction: preliminary findings. *BMC Pediatr*. 2013 Feb 19;13:25.
- 154.) **McCann ME**, **Soriano SG**. Perioperative central nervous system injury in neonates. *Br J Anaesth*. 2012 Dec;109 Suppl 1:i60-i67.
- 155.) **McClain CD**, **Holzman RS**. Attenuating the perioperative stress response: a proposition of a simple solution. *Minerva Anesthesiol*. 2013 Sep;79(9):981-2. Epub 2013 May 29.
- 156.) McGraw SA, **Truog RD**, **Solomon MZ**, Cohen-Bearak A, Sellers DE, Meyer EC. "I was able to still be her mom"--parenting at end of life in the pediatric intensive care unit. *Pediatr Crit Care Med*. 2012 Nov;13(6):e350-6.
- 157.) McKenna J, **Rosen HD**. Competency-based professionalism in anesthesiology: continuing professional development. *Can J Anaesth*. 2012 Sep;59(9):889-908.
- 158.) McLennan SR, **Truog RD**. Apology laws and open disclosure. *Med J Aust*. 2013 May 6;198(8):411-2.
- 159.) Meaney PA, Bobrow BJ, Mancini ME, Christenson J, de Caen AR, Bhanji F, Abella BS, **Kleinman ME**, Edelson DP, Berg RA, Aufderheide TP, Menon V, Leary M; CPR Quality Summit Investigators, the American Heart Association Emergency Cardiovascular Care Committee, and the Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation. Cardiopulmonary resuscitation quality: improving cardiac resuscitation outcomes both inside and outside the hospital: a consensus statement from the American Heart Association. *Circulation*. 2013 Jul 23;128(4):417-35.

- 160.) **Mehta NM**, Bechard LJ, Cahill N, Wang M, Day A, Duggan CP, Heyland DK. Nutritional practices and their relationship to clinical outcomes in critically ill children--an international multicenter cohort study*. *Crit Care Med*. 2012 Jul;40(7):2204-11.
- 161.) **Mehta NM**, Corkins MR, Lyman B, Malone A, Goday PS, Carney LN, Monczka JL, Plogsted SW, Schwenk WF; American Society for Parenteral and Enteral Nutrition Board of Directors. Defining pediatric malnutrition: a paradigm shift toward etiology-related definitions. *JPEN J Parenter Enteral Nutr*. 2013
- 162.) **Mehta NM**, Costello JM, Bechard LJ, Johnson VM, **Zurakowski D**, McGowan FX, **Laussen PC**, Duggan CP. Resting energy expenditure after Fontan surgery in children with single-ventricle heart defects. *JPEN J Parenter Enteral Nutr*. 2012 Nov;36(6):685-92.
- 163.) **Mehta NM**. The Goldilocks conundrum for optimal macronutrient delivery in the PICU--too much, too little, or just right? *JPEN J Parenter Enteral Nutr*. 2013 Mar;37(2):178-80.
- 164.) Meyer EC, Lamiani G, Foer MR, **Truog RD**. "What would you do if this were your child?": practitioners' responses during enacted conversations in the United States. *Pediatr Crit Care Med*. 2012 Nov;13(6):e372-6.
- 165.) Mitchell AK, Jarrold TF, Galpin MR, **Logan DE**. Local Moment Formation and Kondo Screening in Impurity Trimers. *J Phys Chem B*. 2013 Apr 15.
- 166.) Mizrahi B, Shankarappa SA, Hickey JM, Dohlman JC, Timko BP, Whitehead KA, Lee JJ, Langer R, Anderson DG, **Kohane DS**. A Stiff Injectable Biodegradable Elastomer. *Adv Funct Mater*. 2013 Mar 25;23(12):1527-1533.
- 167.) Moise L, De Groot A, Marcello A, **Tassone R**, Martin W, Cousens L. Building Better Biotherapeutics and Vaccines by Design: EpiVax, Inc., an Immunology Company. *R I Med J* (2013). 2013 Feb 1;96(2):19-21.
- 168.) Monroe KK, Beach M, Reindel R, Badwan L, Coulores KG, Hertzog JH, **Cravero JP**. Analysis of procedural sedation provided by pediatricians. *Pediatr Int*. 2013 Feb;55(1):17-23.
- 169.) **Moulton EA**, Becerra L, Rosenthal P, **Borsook D**. An approach to localizing corneal pain representation in human primary somatosensory cortex. *PLoS One*. 2012;7(9):e44643.
- 170.) Myer GD, Faigenbaum AD, Foss KB, Xu Y, **Khoury J**, Dolan LM, McCambridge TM, Hewett TE. Injury initiates unfavourable weight gain and obesity markers in youth. *Br J Sports Med*. 2013 May 14.
- 171.) Myer GD, **Khoury J**, Succop P, Hewett TE. Clinic-based algorithm to identify female athletes at risk for anterior cruciate ligament injury: letter to the editor. *Am J Sports Med*. 2013 Jan;41(1):NP1-3.
- 172.) Myers KC, Rose SR, Rutter MM, Mehta PA, **Khoury JC**, Cole T, Harris RE. Endocrine evaluation of children with and without Shwachman-Bodian-Diamond syndrome gene mutations and Shwachman-Diamond syndrome. *J Pediatr*. 2013 Jun;162(6):1235-40, 1240.e1.
- 173.) Neef K, Choi YH, Perumal Srinivasan S, Treskes P, **Cowan DB**, Stamm C, Rubach M, Adelman R, Wittwer T, Wahlers T. Mechanical preconditioning enables electrophysiologic coupling of skeletal myoblast cells to myocardium. *J Thorac Cardiovasc Surg*. 2012 Nov;144(5):1176-1184.e1.

174.) Nikolova A, Ablasser K, Wyler von Ballmoos MC, Poutias D, Kaza E, **McGowan FX**, Moses MA, Del Nido PJ, Friehs I. Endogenous angiogenesis inhibitors prevent adaptive capillary growth in left ventricular pressure overload hypertrophy. *Ann Thorac Surg*. 2012 Nov;94(5):1509-17.

175.) **Odegard KC**, Bergersen L, Thiagarajan R, Clark L, **Shukla A**, Wypij D, **Laussen PC**. The Frequency of Cardiac Arrests in Patients with Congenital Heart Disease Undergoing Cardiac Catheterization. *Anesth Analg*. 2013 Jun 7.

176.) Ohye RG, Schonbeck JV, Eghtesady P, **Laussen PC**, Pizarro C, Shrader P, Frank DU, Graham EM, Hill KD, Jacobs JP, Kanter KR, Kirsh JA, Lambert LM, Lewis AB, Ravishankar C, Tweddell JS, Williams IA, Pearson GD; Pediatric Heart Network Investigators. Cause, timing, and location of death in the Single Ventricle Reconstruction trial. *J Thorac Cardiovasc Surg*. 2012 Oct;144(4):907-14.

177.) Orkin FK, Forte GJ, McGinnis SL, Peterson MD, Garfield JM, Katz JD, Jackson SH, Cohen NA, **Holzman RS**, Martin DE, Schubert A, Berry AJ. In reply. *Anesthesiology*. 2013 Jun;118(6):1484-5.

178.) Orkin FK, McGinnis SL, Forte GJ, Peterson MD, Schubert A, Katz JD, Berry AJ, Cohen NA, **Holzman RS**, Jackson SH, Martin DE, Garfield JM. United States anesthesiologists over 50: retirement decision making and workforce implications. *Anesthesiology*. 2012 Nov;117(5):953-63.

179.) Orth P, **Zurakowski D**, Alini M, Cucchiari M, Madry H. Reduction of Sample Size Requirements by Bilateral Versus Unilateral Research Designs in Animal Models for Cartilage Tissue Engineering. *Tissue Eng Part C Methods*. 2013 Apr 25.

180.) **Pacak CA**, Eddy MT, Woodhull L, Wang KR, Alpatov I, Fullen S, Dowd RP, Choi YH, **Cowan DB**. Microcarrier-based expansion of adult murine side population stem cells. *PLoS One*. 2013;8(1):e55187.

181.) Pennington EC, Gray FL, Ahmed A, **Zurakowski D**, Fauza DO. Targeted quantitative amniotic cell profiling: a potential diagnostic tool in the prenatal management of neural tube defects. *J Pediatr Surg*. 2013 Jun;48(6):1205-10.

182.) Pitkin AD, **Wesley MC**, Guleserian KJ, Baum VC, **Burch TM**, Janelle GM. Perioperative management of a patient with failed fontan physiology. *Semin Cardiothorac Vasc Anesth*. 2013 Mar;17(1):61-5.

183.) Reed-Knight B, Loisel KA, Devine KA, **Simons LE**, Mee LL, Blount RL. Health-related quality of life and perceived need for mental health services in adolescent solid organ transplant recipients. *J Clin Psychol Med Settings*. 2013 Mar;20(1):88-96.

184.) Relief of pain and anxiety in pediatric patients in emergency medical systems. *Pediatrics*. 2012 Nov;130(5):e1391-405.

185.) Rork JF, **Berde CB**, Goldstein RD. Regional Anesthesia Approaches to Pain Management in Pediatric Palliative Care: A Review of Current Knowledge. *J Pain Symptom Manage*. 2013 Mar 28.

186.) **Rosen HD**, **Cravero JP**. Research on emergence agitation in children. *Can J Anaesth*. 2013 Aug;60(8):822-3.

187.) Rowe CK, Pierce MW, Tecci KC, **Houck CS**, Mandell J, Retik AB, Nguyen HT. A comparative direct cost analysis of pediatric urologic robot-assisted laparoscopic surgery versus open surgery: could robot-assisted surgery be less expensive? *J Endourol*. 2012 Jul;26(7):871-7.

- 188.) Rozental TD, Deschamps LN, Taylor A, Earp B, **Zurakowski D**, Day CS, Boussein ML. Premenopausal women with a distal radial fracture have deteriorated trabecular bone density and morphology compared with controls without a fracture. *J Bone Joint Surg Am*. 2013 Apr 3;95(7):633-42.
- 189.) Sankaranarayanan G, **Matthes K**, Nemani A, Ahn W, Kato M, Jones DB, Schwaitzberg S, De S. Needs analysis for developing a virtual-reality NOTES simulator. *Surg Endosc*. 2013 May;27(5):1607-16.
- 190.) **Schechter NL**. Using sucrose-with eyes wide open. *Arch Pediatr Adolesc Med*. 2012 Jul 1;166(7):667-9. doi: 10.1001/archpediatrics.2012.563.
- 191.) **Seefelder C**. Use of bronchial blockers for single-lung ventilation in infants and children. *Eur J Pediatr Surg*. 2013 Aug;23(4):331.
- 192.) Shan LH, Sun WG, Han W, Qi L, Yang C, Chai CC, Yao K, Zhou QF, Wu HM, Wang LF, **Liu JR**. Roles of fibroblasts from the interface zone in invasion, migration, proliferation and apoptosis of gastric adenocarcinoma. *J Clin Pathol*. 2012 Oct;65(10):888-95. Epub 2012 Jul 26.
- 193.) Shankarappa SA, Sagie I, Tsui JH, Chiang HH, Stefanescu C, Zurakowski D, **Kohane DS**. Duration and local toxicity of sciatic nerve blockade with coinjected site 1 sodium-channel blockers and quaternary lidocaine derivatives. *Reg Anesth Pain Med*. 2012 Sep-Oct;37(5):483-9.
- 194.) Shankarappa SA, Tsui JH, Kim KN, Reznor G, Dohlman JC, Langer R, **Kohane DS**. Prolonged nerve blockade delays the onset of neuropathic pain. *Proc Natl Acad Sci U S A*. 2012 Oct 23;109(43):17555-60.
- 195.) Shen X, Dong Y, Xu Z, Wang H, Miao C, **Soriano SG**, Sun D, Baxter MG, Zhang Y, Xie Z. Selective anesthesia-induced neuroinflammation in developing mouse brain and cognitive impairment. *Anesthesiology*. 2013 Mar;118(3):502-15.
- 196.) Shenkman Z, Johnson VM, **Zurakowski D**, Arnon S, **Sethna NF**. Hemodynamic changes during spinal anesthesia in premature infants with congenital heart disease undergoing inguinal hernia correction. *Paediatr Anaesth*. 2012 Sep;22(9):865-70.
- 197.) Shore BJ, Glotzbecker MP, **Zurakowski D**, Gelbard E, Hedequist D, Matheney TH. Acute Compartment Syndrome in Children and Teenagers with Tibial Shaft Fractures: Incidence and Multivariable Risk Factors. *J Orthop Trauma*. 2013 Mar 11.
- 198.) Silvera VM, **Gordon LB**, Orbach DB, Campbell SE, Machan JT, Ullrich NJ. Imaging characteristics of cerebrovascular arteriopathy and stroke in Hutchinson-Gilford progeria syndrome. *AJNR Am J Neuroradiol*. 2013 May;34(5):1091-7.
- 199.) **Simons LE**, Kaczynski KJ, Conroy C, **Logan DE**. Fear of pain in the context of intensive pain rehabilitation among children and adolescents with neuropathic pain: associations with treatment response. *J Pain*. 2012 Dec;13(12):1151-61.
- 200.) **Simons LE**, **Kaczynski KJ**. The Fear Avoidance model of chronic pain: examination for pediatric application. *J Pain*. 2012 Sep;13(9):827-35.
- 201.) **Simons LE**, **Moulton EA**, **Linnman C**, Carpino E, Becerra L, **Borsook D**. The human amygdala and pain: Evidence from neuroimaging. *Hum Brain Mapp*. 2012 Oct 25.

- 202.) **Simons LE**, Sieberg CB, Pielech M, Conroy C, **Logan DE**. What does it take? Comparing intensive rehabilitation to outpatient treatment for children with significant pain-related disability. *J Pediatr Psychol*. 2013 Mar;38(2):213-23.
- 203.) **Simons LE**. Growing up in the society of pediatric psychology: reflections of an early career psychologist. *J Pediatr Psychol*. 2013 Mar;38(2):132-4.
- 204.) Sisley S, Trujillo MV, **Khoury J**, Backeljauw P. Low incidence of pathology detection and high cost of screening in the evaluation of asymptomatic short children. *J Pediatr*. 2013 Oct;163(4):1045-51.
- 205.) Sivarajan VB, Almodovar MC, Rodefeld MD, **Laussen PC**. Pediatric extracorporeal life support in specialized situations. *Pediatr Crit Care Med*. 2013 Jun;14(5Suppl 1):S51-61.
- 206.) Smallwood CD, **Mehta NM**. Accuracy of abbreviated indirect calorimetry protocols for energy expenditure measurement in critically ill children. *JPEN J Parenter Enteral Nutr*. 2012 Nov;36(6):693-9.
- 207.) Smallwood CD, **Mehta NM**. Accuracy of Gas Exchange Monitoring During Noninvasive Ventilation: An In Vitro Metabolic Simulation. *JPEN J Parenter Enteral Nutr*. 2013 Mar 29.
- 208.) Smallwood CD, **Mehta NM**. Gas exchange measurement during pediatric mechanical ventilation - Agreement between gas sampling at the airway and the ventilator exhaust. *Clin Nutr*. 2013 Mar 22.
- 209.) **Solomon MZ**, Bonham AC. Ethical oversight of research on patient care. *Hastings Cent Rep*. 2013 Jan-Feb;Spec No:S2-3.
- 210.) **Solomon MZ**. Seeking the unseen. *Hastings Cent Rep*. 2012 Jul-Aug;42(4):2p preceeding 2.
- 211.) **Soriano SG**. Neurotoxicity of ketamine: known unknowns. *Crit Care Med*. 2012 Aug;40(8):2518-9. Srougi V, Yorioka M, Sanchez DC, Onal B, **Houck CS**, Nguyen HT. The feasibility of robotic urologic surgery in infants and toddlers. *J Pediatr Urol*. 2013 Jun 17.
- 212.) Sucharew H, **Khoury J**, Moomaw CJ, Alwell K, Kissela BM, Belagaje S, Adeoye O, Khatri P, Woo D, Flaherty ML, Ferioli S, Heitsch L, Broderick JP, Kleindorfer D. Profiles of the National Institutes of Health Stroke Scale items as a predictor of patient outcome. *Stroke*. 2013 Aug;44(8):2182-7.
- 213.) Sun LS, Li G, DiMaggio CJ, Byrne MW, Ing C, Miller TL, Bellinger DC, Han S, **McGowan FX**. Feasibility and pilot study of the Pediatric Anesthesia NeuroDevelopment Assessment (PANDA) project. *J Neurosurg Anesthesiol*. 2012 Oct;24(4):382-8.
- 214.) Tamang DL, Pirzai W, **Priebe GP**, Traficante DC, Pier GB, Falck JR, Morisseau C, Hammock BD, McCormick BA, Gronert K, Hurley BP. Hepoxilin A(3) facilitates neutrophilic breach of lipoxygenase-expressing airway epithelial barriers. *J Immunol*. 2012 Nov 15;189(10):4960-9.
- 215.) **Tasker RC**, Pomeroy SL. Sport-related concussion: time to take notice. *Curr Opin Pediatr*. 2012 Dec;24(6):687-8.
- 216.) **Tasker RC**. Electroencephalographic seizure activity in the comatose critically ill child: getting closer to knowing what to do. *Crit Care Med*. 2013 Jan;41(1):362-3.

- 217.) **Tasker RC**. Pediatric critical care, glycemic control, and hypoglycemia: what is the real target? *JAMA*. 2012 Oct 24;308(16):1687-8.
- 218.) **Tasker RC**. Tight glucose control (with frequent episodes of hypoglycemia) among children admitted to the pediatric intensive care unit, does not affect neurocognitive development. *J Pediatr*. 2013 Mar;162(3):649.
- 219.) Thomas NJ, Guardia CG, Moya FR, Cheifetz IM, Markovitz B, Cruces P, Barton P, Segal R, Simmons P, **Randolph AG**; PALISI Network. A pilot, randomized, controlled clinical trial of lucinactant, a peptide-containing synthetic surfactant, in infants with acute hypoxemic respiratory failure. *Pediatr Crit Care Med*. 2012 Nov;13(6):646-53.
- 220.) Tian B, Liu J, Dvir T, Jin L, Tsui JH, Qing Q, Suo Z, Langer R, **Kohane DS**, Lieber CM. Macroporous nanowire nanoelectronic scaffolds for synthetic tissues. *Nat Mater*. 2012 Nov;11(11):986-94.
- 221.) Timko BP, **Kohane DS**. Materials to clinical devices: technologies for remotely triggered drug delivery. *Clin Ther*. 2012 Nov;34(11):S25-35.
- 222.) Toledo E, **Lebel A**, **Becerra L**, Minster A, Linnman C, **Maleki N**, Dodick DW, **Borsook D**. The young brain and concussion: imaging as a biomarker for diagnosis and prognosis. *Neurosci Biobehav Rev*. 2012 Jul;36(6):1510-31.
- 223.) Tong R, **Kohane DS**. Shedding light on nanomedicine. *Wiley Interdiscip Rev Nanomed Nanobiotechnol*. 2012 Nov-Dec;4(6):638-62.
- 224.) **Truog RD**, Kesselheim AS, Joffe S. Research ethics. Paying patients for their tissue: the legacy of Henrietta Lacks. *Science*. 2012 Jul 6;337(6090):37-8.
- 225.) **Truog RD**, Meyer EC. Deception and death in medical simulation. *Simul Healthc*. 2013 Feb;8(1):1-3.
- 226.) **Truog RD**. Palliative care in the ICU: lots of questions, few answers*. *Crit Care Med*. 2013 Jun;41(6):1568-9.
- 227.) Turner DA, Heitz D, Cooper MK, Smith PB, **Arnold JH**, Bateman ST. Isoflurane for life-threatening bronchospasm: a 15-year single-center experience. *Respir Care*. 2012 Nov;57(11):1857-64.
- 228.) Tweddell JS, Sleeper LA, Ohye RG, Williams IA, Mahony L, Pizarro C, Pemberton VL, Frommelt PC, Bradley SM, Cnota JF, Hirsch J, Kirshbom PM, Li JS, Pike N, Puchalski M, Ravishankar C, Jacobs JP, **Laussen PC**, McCrindle BW; Pediatric Heart Network Investigators. Intermediate-term mortality and cardiac transplantation in infants with single-ventricle lesions: risk factors and their interaction with shunt type. *J Thorac Cardiovasc Surg*. 2012 Jul;144(1):152-9.
- 229.) Ullrich NJ, Kieran MW, Miller DT, **Gordon LB**, Cho YJ, Silvera VM, Giobbie-Hurder A, Neuberg D, **Kleinman ME**. Neurologic features of Hutchinson-Gilford progeria syndrome after lonafarnib treatment. *Neurology*. 2013 Jul 30;81(5):427-30.
- 230.) Ullrich NJ, Silvera VM, Campbell SE, **Gordon LB**. Craniofacial abnormalities in Hutchinson-Gilford progeria syndrome. *AJNR Am J Neuroradiol*. 2012 Sep;33(8):1512-8.

- 231.) **Valentine SL**, Sapru A, Higgerson RA, Spinella PC, Flori HR, Graham DA, Brett M, Convery M, Christie LM, Karamessinis L, **Randolph AG**; Pediatric Acute Lung Injury and Sepsis Investigator's (PALISI) Network; Acute Respiratory Distress Syndrome Clinical Research Network (ARDSNet). Fluid balance in critically ill children with acute lung injury. *Crit Care Med*. 2012 Oct;40(10):2883-9.
- 232.) **Waisel DB**. Vulnerable populations in healthcare. *Curr Opin Anaesthesiol*. 2013 Apr;26(2):186-92.
- 233.) Wang J, Hui L, **Khoury J**. No-go theorems for generalized chameleon field theories. *Phys Rev Lett*. 2012 Dec 14;109(24):241301.
- 234.) Wang L, Zhou BB, Yu K, Su ZH, Gao S, Chu LL, **Liu JR**, Yang GY. Novel antitumor agent, trilacunary Keggin-type tungstobismuthate, inhibits proliferation and induces apoptosis in human gastric cancer SGC-7901 cells. *Inorg Chem*. 2013 May 6;52(9):5119-27.
- 235.) Warren KE, Poussaint TY, Vezina G, Hargrave D, Packer RJ, Goldman S, Wen PY, Pollack IF, **Zurakowski D**, Kun LE, Prados MD, Rutkowski S, Kieran MW. Challenges with defining response to antitumor agents in pediatric neuro-oncology: a report from the response assessment in pediatric neuro-oncology (RAPNO) working group. *Pediatr Blood Cancer*. 2013 Sep;60(9):1397-401.
- 236.) Weldon CB, Tsui JH, Shankarappa SA, Nguyen VT, Ma M, Anderson DG, **Kohane DS**. Electrospun drug-eluting sutures for local anesthesia. *J Control Release*. 2012 Aug 10;161(3):903-9.
- 237.) Wilfond BS, Magnus D, Antommaria AH, Appelbaum P, Aschner J, Barrington KJ, Beauchamp T, Boss RD, Burke W, Caplan AL, Capron AM, Cho M, Clayton EW, Cole FS, Darlow BA, Diekema D, Faden RR, Feudtner C, Fins JJ, Fost NC, Frader J, Hester DM, Janvier A, Joffe S, Kahn J, Kass NE, Kodish E, Lantos JD, McCullough L, McKinney R Jr, Meadow W, O'Rourke PP, Powderly KE, Pursley DM, Ross LF, Sayeed S, Sharp RR, Sugarman J, Tarnow-Mordi WO, Taylor H, Tomlinson T, **Truog RD**, Unguru YT, Weise KL, Woodrum D, Youngner S. The OHRP and SUPPORT. *N Engl J Med*. 2013 Jun 20;368(25):e36.
- 238.) Wilkes R, **Tasker RC**. Pediatric intensive care treatment of uncontrolled status epilepticus. *Crit Care Clin*. 2013 Apr;29(2):239-57.
- 239.) Wilkinson DJ, **Truog RD**. The luck of the draw: physician-related variability in end-of-life decision-making in intensive care. *Intensive Care Med*. 2013 Jun;39(6):1128-32.
- 240.) **Wolbrink TA**, **Burns JP**. Internet-based learning and applications for critical care medicine. *J Intensive Care Med*. 2012 Sep-Oct;27(5):322-32.
- 241.) **Wolbrink TA**, **Burns JP**. Teaching trainees to perform procedures on critically ill children: ethical concerns and emerging solutions. *Virtual Mentor*. 2012 Oct 1;14(10):771-7.
- 242.) Wolf GK, Gómez-Laberge C, Kheir JN, Zurakowski D, Walsh BK, Adler A, **Arnold JH**. Reversal of dependent lung collapse predicts response to lung recruitment in children with early acute lung injury. *Pediatr Crit Care Med*. 2012 Sep;13(5):509-15.
- 243.) Wolf GK, Gómez-Laberge C, Rettig JS, Vargas SO, Smallwood CD, Prabhu SP, Vitali SH, **Zurakowski D**, Arnold JH. Mechanical ventilation guided by electrical impedance tomography in experimental acute lung injury. *Crit Care Med*. 2013 May;41(5):1296-304.

- 244.) Wu W, Huang J, Duan B, Traficante DC, Hong H, Risech M, Lory S, **Priebe GP**. Th17-stimulating protein vaccines confer protection against *Pseudomonas aeruginosa* pneumonia. *Am J Respir Crit Care Med*. 2012 Sep 1;186(5):420-7. YT, Weise KL, Woodrum D, Youngner S. The OHRP and SUPPORT. *N Engl J Med*. 2013 Jun 20;368(25):e36.
- 245.) Yu J, Dong HW, Shi LT, Jiang HL, Yu JW, Zhao QW, Cai SC, Han D, Tang XY, **Liu JR**. Re-examination of the genotoxic activity of water taken from the Songhua River in P. R. China. *Arch Environ Contam Toxicol*. 2013 Jul;65(1):78-88.
- 246.) **Yuki K**, Bu W, Shimaoka M, Eckenhoff R. Volatile anesthetics, not intravenous anesthetic propofol bind to and attenuate the activation of platelet receptor integrin $\alpha\text{IIb}\beta\text{3}$. *PLoS One*. 2013;8(4):e60415.
- 247.) **Yuki K**, Bu W, Xi J, Sen M, Shimaoka M, Eckenhoff RG. Isoflurane binds and stabilizes a closed conformation of the leukocyte function-associated antigen-1. *FASEB J*. 2012 Nov;26(11):4408-17.
- 248.) **Yuki K**, Chilson K, **DiNardo JA**. Improvement of PaO₂ during one-lung ventilation with partial left-heart bypass in pediatric patients is caused by increased blood flow to the dependent lung. *J Cardiothorac Vasc Anesth*. 2013 Jun;27(3):542-5.
- 249.) **Yuki K**, Emani S, **DiNardo JA**. A mathematical model of transitional circulation toward biventricular repair in hypoplastic left heart syndrome. *Anesth Analg*. 2012 Sep;115(3):618-26.
- 250.) Zaidi TS, Zaidi T, Pier GB, **Priebe GP**. Topical neutralization of interleukin-17 during experimental *Pseudomonas aeruginosa* corneal infection promotes bacterial clearance and reduces pathology. *Infect Immun*. 2012 Oct;80(10):3706-12.
- 251.) Zhang JS, Li DM, Ma Y, He N, Gu Q, Wang FS, Jiang SQ, Chen BQ, **Liu JR**. γ -Tocotrienol induces paraptosis-like cell death in human colon carcinoma SW620 cells. *PLoS One*. 2013;8(2):e57779.
- 252.) **Zurkowski D**, Johnson VM, Lee EY. Biostatistics in Clinical Decision Making for Cardiothoracic Radiologists. *J Thorac Imaging*. 2013 Jan 24.