

Ronald Blaine Easley, MD

Curriculum Vitae

DEMOGRAPHIC INFORMATION

CURRENT APPOINTMENTS

Assistant Professor
Department of Anesthesiology and Critical Care Medicine
Department of Pediatrics
 Attending in Pediatric Cardiac Anesthesiology
 Attending in Pediatric Anesthesiology
 Attending in Pediatric Critical Care Medicine
Johns Hopkins Medical Institute

PERSONAL INFORMATION

Johns Hopkins Hospital
600 North Wolfe Street
Blalock 941
Baltimore, Maryland 21287
Work: 410-955-2393
e-mail: beasley@jhmi.edu

EDUCATION

Doctorate of Medicine - cum laude
University of Missouri-Columbia. August 1991 to May 1995.

Bachelor of Arts -major- Honors Biology
University of Missouri-Columbia. August 1987 to May 1991.

POSTGRADUATE TRAINING

Pediatric Critical Care and Anesthesiology Fellowship
The Johns Hopkins Medical Center. July 2002 to 2004.

Anesthesiology Residency
The Johns Hopkins Medical Center. July 1999 to June 2002.

Chief Resident in Pediatrics
University of Missouri - Columbia. July 1998 to June 1999.

Pediatric Residency
University of Missouri -Columbia. July 1995 to June 1998.

PROFESSIONAL EXPERIENCE

Assistant Professor

Department of Anesthesiology and Critical Care Medicine
Department of Pediatrics
The Johns Hopkins Medical Institute, 2004 to present.

Clinical Instructor

Department of Child Health, University of Missouri-Hospitals and Clinics, 1998 to 1999.

RESEARCH ACTIVITIES

PUBLICATIONS

(27 peer-reviewed publications; 6 invited reviews/editorials; 15 book chapters)

Peer-reviewed original research articles

- 1) Scott JK, Loganathan D, **Easley RB**, Gong X, Goldstein IJ. A Family of concanavalin A-binding peptides from a hexapeptide epitope library. *Proceedings of the National Academy of Science, USA*. Volume 89, pp. 5398-5402, June 1992. Biochemistry.
- 2) **Easley RB**, Segeleon JE, Haun SE, Tobias, JD. A prospective study of airway management of children requiring endotracheal intubation prior to PICU admission. *Critical Care Medicine*, 2000, 28(6):2058-63.
- 3) Ye SQ, Simon BA, Maloney JP, Zambelli-Weriner, Gao L, **Easley RB**, McVerry B, Tudor RM, Brower R, Barnes KC, and Garcia JGN. Pre-B-Cell colony enhancing factor is a novel biomarker in acute lung injury. *AJRCCM*, 2005; 171(4):361-70. Epub 2004 Dec 03.
- 4) McGlothlin JR, Gao L, Lavoie T, Simon B, **Easley RB**, Shwu-Fan M, Rumala BB, Garcia JGN, and Ye SQ. Molecular cloning and characterization of canine pre B-Cell-Enhancing Factor (PBEF). *Biochem Genet*, 2005; 43: 127-141.
- 5) **Easley RB**, Fuld MK, Fernandez-Bustamante A, Hoffman EA, Simon BA. Mechanism of hypoxemia in Acute Lung Injury Evaluated by Multidetector-row CT. *Academic Radiology*, 2006; 13: 916-921.
- 6) Simon BA, **Easley RB**, Grigoryev DN, Ma S, Ye SQ, Lavoie T, Garcia JGN. Microarray analysis of regional cellular responses to local mechanical stress in experimental acute lung injury. *American Journal of Physiology – Lung Cellular and Molecular Physiology*, 2006; 291: 851-861.

- 7) **Easley RB**, Brady KM, Tobias JD. Dexmedetomidine for the Treatment of Post-anesthetic Shivering in Children. *Pediatric Anesthesia*, 2007 ; 17: 341-344.
- 8) Brady KM, Lee JK, Kibler KK, Smielewski P, Czosynka M, **Easley RB**, Koehler RC, Shaffner DH. Continuous Time-domain Analysis of Cerebrovascular Autoregulation using Near-Infrared Spectroscopy. *Stroke*, 2007; 10: 2818-2825.
- 9) Mester R, **Easley RB**, Brady KM, Chilson K, Tobias JD. Monitored anesthesia care with a combination of ketamine and dexmedetomidine during cardiac catheterization. *American Journal of Therapeutics*, 2008; 15: 24-30.
- 10) Hoag JB, Liu M, **Easley RB**, Hassoun H, Rabb H, Simon BA. Effects of Acid Aspiration-Induced Acute Lung Injury on Kidney Function. *American Journal of Physiology - Renal*, 2008 (in press).
- 11) Fuld MK, **Easley RB**, Saba O, Chon D, Reinhardt JM, Hoffman EA, Simon BA. CT measured regional specific volume change reflects regional ventilation in supine sheep. *Journal of Applied Physiology*, 2008 (in press).
- 12) Fernandez-Bustamante A, **Easley RB**, Fuld MK, Mulreany D, Hoffman EA, Simon BA. Regional aeration and perfusion distribution in a sheep endotoxemic acute lung injury characterized by functional CT imaging. *Critical Care Medicine* 2008, (submitted).
- 13) Brady KM, Lee JK, Kibler KK, **Easley RB**, Koehler RC, Shaffner DH. Continuous Measurement of Cerebral Autoregulation using Spontaneous Fluctuations in Cerebral Perfusion Pressure: A comparison of Three Methods. *Stroke*, 2008 (in press).
- 14) **Easley RB**, Mulreany DG, Lancaster CT, Custer JW, Fernandez-Bustamante A, Simon BA. The effect of pulmonary blood flow distribution on thermodilution extravascular lung water measurements in a model of acute lung injury. *Anesthesiology* 2008 (in preparation).
- 15) **Easley RB**, Lancaster CT, Fuld MK, Hager DN, Simon BA. Total and Regional Lung Volume changes with Frequency and Mean Airway Pressure, but not Tidal Volume, during HFOV. *Journal of Applied Physiology*, 2008 (in preparation).

Peer-Reviewed Case Series/Case Reports

- 1) **Easley RB**, Lastra C, Tobias JD. Posterior cerebral circulatory stroke following cardiac catheterization and balloon angioplasty in an adolescent. *Clinical Pediatrics*. 1997. 39: 9; 535-540.
- 2) **Easley RB**, Tobias JD, Cooperstock MS. Cat-scratch disease causing status epilepticus in children. *Southern Medical Journal*, 1999.92:1; 73-76.

- 3) **Easley RB**, George R, Connors D, Tobias JD. Aseptic meningitis following spinal anesthesia in an infant. *Anesthesiology*, 1999. 91:1; 305-307.
- 4) **Easley RB**, Altemeier WA. Mental status changes of ibuprofen overdose reversed by naloxone. *Pediatric Emergency Care*, 2000, 16(1):39-41.
- 5) **Easley RB**. Open air carbon monoxide poisoning during recreational boating. *Southern Medical Journal*, 2000, 93:4; 430-432.
- 6) **Easley RB**, Johnson TR, Tobias JD. Continuous base deficit and pH monitoring using the Paratrend 7 inserted into a peripheral vein during severe metabolic acidosis in a patient with shock and congenital lactic acidosis. *Clinical Pediatrics*, 2002;41(5):351-5.
- 7) **Easley RB**, Rosen R, Lindeman K. Patient with coronary artery spasm at outset of epidural anesthesia. *Anesthesiology*, 2003; 99(4):1015-7.
- 8) Brady KM, Harris ZL, Berkowitz ID, Hammer GB, **Easley RB**. Lung Isolation in a Child with Unilateral Necrotizing *Clostridium perfringens* Pneumonia. *Critical Care Medicine*, 2005; 33(11): 2676-80.
- 9) **Easley RB**, McElrath-Schwartz J, Sanders D, Martin J, Redmond JM. Anesthetic implications of Jacobsen Syndrome. *Pediatric Anesthesia*, 2006; 16: 66-9.
- 10) McKee CT, Vricella LA, Harris ZL, **Easley RB**. Abdominal Compartment Syndrome contributing to failure of ECMO in an infant with Congenital Heart Disease and Sepsis. *Pediatric Critical Care Medicine*, 2006: 7(2): 180-2.
- 11) Brady KM, **Easley RB**, Tobias JD. Recombinant activated factor VII (rVIIa) treatment in Infants with Hemorrhage. *Pediatric Anesthesia* 2006; 16: 1042-1046.
- 12) Brady KM, Koehler RC, Vricella LA, Jallo GI, Thompson WR, Guerguerian AM, Shaffner DH, **Easley RB**. An association between cavo-pulmonary shunt pressure and cerebrovascular reactivity: measurement of the vascular reactivity index in an infant with an intracranial hemorrhage. *Journal of Cardiothoracic and Vascular Anesthesia* 2008 (in press).

Invited Reviews/Editorials

- 1) **Easley RB**. When you run the zoo: The need for residents to learn strategies for delivering childhood immunization. (editorial) *Pediatric Annals*, 1998. 27:6; 331-332.
- 2) **Easley RB**, Schwengel DA. Vascular access in Infants and Children. *Advances in Anesthesia*, 2004; 22: 183-225.
- 3) **Easley RB**, Tobias JD. Pro: Dexmedetomidine should be used for Infants and Children undergoing Cardiac Surgery. *Journal of Cardiothoracic and Vascular Anesthesia*, 2008; 22: 147-151.

- 4) Lee JK, **Easley RB**, Brady KM. Neurocognitive Monitoring and Care During Cardiopulmonary Bypass in Patients with Congenital Heart Disease – Current Practice and Future Directions. *Current Cardiology Reviews*, 2008 (in press).
- 5) **Easley RB**, Nichols DG. Withdrawal assessment in the PICU: quantifying a morbidity of pain and sedation management in the critically ill child. *Critical Care Medicine*, 2008 (in press).
- 6) Brown AT, McKee CT, Brady KM, Everett A, **Easley RB**. Sedative and Anesthetic Care in the Congenital Heart Disease patient undergoing diagnostic and interventional procedures. *Current Cardiology Reviews*, 2007 (in preparation).

Book Chapters

- 1) **Easley RB**, Tobias JD. Chapter 20: Poisonings and Toxins. Tobias JD, ed. *Pediatric Critical Care - The Essentials*, Futura Publishing, 1999.
- 2) **Easley RB**, Groshong T. Chapter 16: Acute Renal Failure. Tobias JD, ed. *Pediatric Critical Care- The Essentials*, Futura Publishing, 1999.
- 3) **Easley RB**. Licorice. Fleisher L, Roizen M (editors). *Essence of Anesthesia Practice*, 2nd Edition. W.B Saunders Publishing, 2002. 600.
- 4) **Easley RB**. Creatine. Fleisher L, Roizen M (editors). *Essence of Anesthesia Practice*, 2nd Edition, W.B. Saunders Publishing, 2002. 586.
- 5) **Easley RB**, Michael J, Harris ZL. Chapter 7 - Fluid and Electrolyte Abnormalities/Metabolic Disorders. Viessman SS, Lorins M, eds. *Pediatric Board Review*, Appleton and Lange, 2004.
- 6) **Easley RB**, Maxwell LG. Management of children with URI. Fleisher LA, editor, *Evidence Based Practice of Anesthesia*, Elsevier Publishing, 2004.
- 7) **Easley RB**, Maxwell LG. Should Succinylcholine be used in children? Fleisher LA, editor, *Evidence Based Practice of Anesthesia*, Elsevier Publishing, 2004.
- 8) **Easley RB**, Schleien C, Shaffner DH. Chapter 33: Pediatric Cardiopulmonary Resuscitation. *Smith's Textbook of Pediatric Anesthesiology*, 7th edition; Mosby: Elsevier, Philadelphia, PA, 2006: 1110-1154.
- 9) **Easley RB**, Nichols DG. Respiratory Failure. Yaster M, Nichols DG eds. *The Golden Hour*, 3rd edition (in press).
- 10) Carpenter T, **Easley RB**, Stenmark KB. Chapter 40: Molecular Biology of Lung Injury. Nichols DG, ed. In, *Rogers's Textbook of Pediatric*

Intensive Care. 4th Edition; 2008: 615-630.

11) **Easley RB**, Brady KM, Tobias JD. Chapter 101: Hematologic Emergencies. Nichols DG, ed. In, *Rogers's Textbook of Pediatric Intensive Care. 4th Edition*; 2008: 1725-1758.

12) Yaster M, **Easley RB**, Brady KM. Chapter 12: Pain and Sedation Management in the Critically Ill Child. Nichols DG, ed. In, *Rogers's Textbook of Pediatric Intensive Care. 4th Edition*; 2008: 136-165.

13) Custer JW, Rapan K, **Easley RB**. Chapter 13: Pediatric Therapeutics. Viessman SS, Lorins M, eds. *Pediatric Board Review*, Appleton and Lange, 2008 (in press).

14), McKee CT, Maxwell LG, **Easley RB**. Should children with URI undergo anesthesia? Fleisher LA, editor, *Evidence Based Practice of Anesthesia*, Elsevier Publishing, 2008 (in press).

15) **Easley RB**, Brady KM, Wolf A, Anand K, Tobias JD. Chapter 11: Development and evaluation of Pain and the stress response. Bissonette B, ed. In, *Pediatric Anesthesia: Principles and Practice*, 2009 (in preparation).

EXTRAMURAL SPONSORSHIP **BASIC SCIENCE RESEARCH**

ACTIVE

Mentored Research Training Grant: Easley, R.B. (PI) 1/1/07 - 12/31/08
Foundation for Anesthesia Education and Research (FAER)

Total direct costs: PI \$175,000

Total direct costs: Mentor \$80,000

“Molecular Mechanisms of Regional Lung Dysfunction in Ventilator-Associated Lung Injury”.

This project applies novel canine regional genomics and functional CT imaging approaches to investigate the effect of regional mechanical heterogeneity on the development of VALI.

Role: Principal Investigator (4.4 calendar months)

P50 HL073994 Acute Lung Injury SCCOR: Brower, RG (PI) 9/30/03 - 9/29/08
NIH/NHLBI Specialized Clinical Center of Research

Total direct costs: \$14,000,000

“Ventilator Associated Lung Injury: Molecular Approaches”

This SCCOR grant is focused on understanding ventilator-associated lung injury, utilizing molecular, genomic, proteomic, and physiological approaches in concert to address etiology and mechanism of VALI in cellular, rodent, and large animal models as well as human clinical studies.

Role: Co-investigator, Core D: “**Canine models of VALI**” (2.4 calendar months)

COMPLETED

DAMD17-02-1-0732: Simon, BA (PI) 10/1/02 - 9/30/06
Dept of Defense Peer Reviewed Medical Research Program

Total direct costs: \$1,484,972

“Use of Exogenous Surfactant to Mitigate Acute Lung Injury”

This project uses comprehensive functional lung imaging via CT and regional lung lavage and tissue sampling to investigate the use of exogenous surfactant in reducing the severity and regional inflammatory response to experimental acute lung injury.

Role: Co-Investigator

NIH Pediatric Research Loan Repayment Program. 7/2003 - 7/2005

“Dynamic distribution of Lung Volume during High Frequency Oscillatory Ventilation.”

Sponsored by INO therapeutics – WIRB 10/2004 - 3/2005

“The effects of inhaled NO on acute hypoxic lung injury in children”.

Role: Site - Principle Investigator

CLINICAL RESEARCH

ACTIVE

Principle Investigator (site): “Sedation Management in Pediatric Patients with Respiratory Failure.” (NIH-NHLBI – Curley MA, PI).

Start December 2007 to December 2012.

Status: Funding pending.

COMPLETED

Principle Investigator (site): “The effects of inhaled NO on acute hypoxic lung injury in children”. 2004 to 2005. Sponsored by INO therapeutics – WIRB approval 10/2004.

Status: closed.

EDUCATIONAL ACTIVITIES

Editorial Board

Inspiration - Editorial Board – resident publication of the American Society of Anesthesiologists. July 2000 to July 2002.

Invited Manuscript Reviewer

American Journal of Respiratory and Critical Care Medicine, Intensive Care Medicine, Journal of Pediatrics, Journal of Intensive Care Medicine, Medicine, Pediatrics, Respiratory Care, Journal of Critical Care

CLINICAL ACTIVITIES

Licensure

Missouri State Board of Healing Arts (License number - MD 108266)
1997 to present.

Maryland Board of Physicians (License number –D0061589)
2003 to present.

Certification

Pediatric Anesthesiology – American Board of Anesthesiology
-completed ACGME accredited fellowship - 2004.

Pediatric Critical Care – American Board of Pediatrics
Certified – 2004 to 2011.

General Anesthesiology – American Board of Anesthesiology
Certified – 2003 to 2013.

General Pediatrics - American Board of Pediatrics
Certified - 1998 to 2005. Recertified - 2006.

United States Medical Licensing Examination (USMLE)
Passed - Step I (1993), Step II (1994), Step III (1997)

Basic Life Support (BLS)
Most recent certification 2007

Advanced Cardiac Life Support (ACLS)
Most recent certification 2007

Pediatric Advanced Life Support (PALS)
Most recent certification - 2006

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

Pharmacy and Therapeutics Committee – sub-committee on Anesthetic Drugs

and Sedatives – sat on policy committee for ICU, anesthetic, and related medications. Johns Hopkins Medical Institute – January 2007 to present.

Pediatric Medical Control Officer for Transport Services - one of five medical control physicians with responsibilities to assist in development and activation of pediatric transport services at the University of Missouri - Children's Hospital. September 1998 to June 1999.

Pediatric Pain Management Team - University of Missouri - Children's Hospital. July 1998 to June 1999.

Residency Selection Committee - Dept. of Child Health, University of Missouri. October 1997 to March 1999.

Curriculum Planning Committee - Dept. of Child Health, University of Missouri, January 1996 to June 1999.

International Medical Missions – (12 missions over 10 years)

Heart Care International – member and participant in the following medical missions:

Pediatric Cardiothoracics (2004) – Dominican Republic
Pediatric Cardiothoracics (2005) – Dominican Republic
Pediatric Cardiothoracics (2006) – Dominican Republic
Pediatric Cardiothoracics (2007) – El Salvador

Member January 2004 to present.

Healing the Children/Kids First Organization – member and participant in the following medical missions:

Pediatric Urology (1997) - Colombia, South America
Pediatric Orthopedics (1998) – Colombia, South America
Pediatric Orthopedics (2000) – Brazil, South America
Pediatric Orthopedics (2002) – Dominican Republic
Pediatric Orthopedics (2003) – Dominican Republic
Pediatric Orthopedics (2004) – Dominican Republic
Pediatric Orthopedics (2005) – Mexico
Pediatric Orthopedics (2007) - Mexico

Member February 1997 to present.

Professional Society Membership

American Academy of Pediatrics (AAP) – Fellow
Specialty membership – pediatric anesthesiology
Specialty membership – pediatric critical care
American Society of Anesthesiology (ASA)
American Thoracic Society (ATS)
Society of Critical Care Medicine (SCCM)

Society for Pediatric Anesthesia (SPA)
Society for Congenital Cardiac Anesthesia (SCCA)
American Society of Critical Care Anesthesiologist (ASCCA)

RECOGNITION

Awards, Honors

2007 Baltimore Top Doctors – Baltimore Magazine – recognition provided by Baltimore Magazine based on Best Doctors survey. November 2007.

2007 Stauffer Award – Best Scientific Manuscript – awarded by Association of Academic Radiologists. April 2007.

Young Investigator (Junior Faculty) Award 2005 – awarded by the Society for Pediatric Anesthesia. February 2005.

Outstanding Young Physician Award 2004– Nominated and awarded by the Medical Alumni Association of the University of Missouri. April 2004.

Alpha Omega Alpha (AOA) – Medical Honor Society - elected to the Gamma chapter at the University of Missouri – Columbia. October 1998 to present.

Outstanding Resident in Pediatric Anesthesiology – Dept. of Anesthesiology and Critical Care Medicine, Johns Hopkins Hospital. July 2002.

Robert L. Jackson Outstanding Student in Pediatrics - Dept. of Child Health, University of Missouri, May 1995.

Rollins Graduate Student Honor Society - (first initiate class), University of Missouri, April 1994.

Visiting Professor

"Exploring the Molecular Mechanisms of Ventilator Associated Lung Injury."
Visiting Professor, Department of Anesthesiology and Critical Care Medicine,
University of Pennsylvania. March 2007.

“Pre-operative Evaluation in Children – more than a well child visit.” Visiting Professor,
Department of Child Health, University of Missouri- Hospital and Clinics, September
2001.

National Meetings

“Dexmedetomidine – Anesthetic Applications in Children” Faculty, *Society for Pediatric Anesthesia*, Winter meeting – 2007. March 2007.

“Infant, Pediatric, and Adolescent Pulmonary Physiology for the Anesthesiologist”. Faculty, *Society for Pediatric Anesthesia Fall meeting, New Orleans*. Provided digital media and CME material – (actual meeting cancelled), October 2005.

“Alternative Forms of Ventilation” – Faculty, *8th Annual Respiratory Care Symposium*, Johns Hopkins University, October 2005.

Invited Talks

"Dexmedetomidine: uses in Anesthesiology." Faculty and resident lecture while visiting professor at CHOP and HUP. March 2007.

“Pediatric Pulmonary Physiology” – invited speaker, *48th Annual Physicians Alumni weekend* – University of Missouri – School of Medicine, October 2005.

“High Frequency Ventilation – Basic Science and Clinical Applications” Anesthesiology Grand Rounds – Johns Hopkins Hospital, September 2005.

“Status Asthmaticus in Children”. Invited lecturer at U.S. Naval Hospital in Yokosuka, Japan, October 2002.

"Common Poisonings in Children." Invited speaker, *Common Childhood Problem Conference 1999*, University of Missouri, June 1999.

"A Child's Best Interests - Who Decides?" Invited speaker, University of Missouri, Medical Ethics Grand Rounds, May 1999.

Research Abstracts (2001 to present – 20 abstracts)

1) **Easley RB**, Grigoryev DN, Simon BA. Hyperoxia modulates regional cellular responses in canine model of ventilator-associated lung injury (VALI). ATS national Meeting 2008.

2) Custer JW, **Easley RB**, Mulreany DG, Hager DN, Kazcka DW, Simon BA. *In vitro* performance comparison of the Sensormedics 3100A and B high-frequency oscillatory ventilators (HFOV). ATS national Meeting 2008

- 3) Rapan KA, Lewin JL, Lee CK, Veltri MA, **Easley RB**. 876 – Use of Dexmedetomidine in a Pediatric Intensive Care Unit. *Critical Care Medicine* 2007; 35 supp: A243.
- 4) Mulreany DG, **Easley RB**, Murphy KJ, Simon BA. Volumetric Xenon-CT Imaging of Conventional and High-Frequency Oscillatory Ventilation with the Toshiba Aquilion 256-slice Multidetector CT Scanner. *RSNA National Meeting*, November 2007.
- 5) **R.B. Easley**, C.L. Lancaster, J.W. Custer, A. Fernandez-Bustamante, D.G. Mulreany, B.A. Simon. Inactivation of Hypoxic Pulmonary Vasoconstriction Results in Acute Increase in Extravascular Lung Water Measurement by PiCCO in Canine Acute Lung Injury. *Proc Am Thorac Soc* 2007; A213.
- 6) A. Fernandez-Bustamante, **R.B. Easley**, D. Mulreany, M.K. Fuld, J.F. Lewis, F.J.H. Taut, B.A. Simon. Characterization of Bronchoalveolar Fluid (BALF) after Treatment with rSP-C Surfactant in Severe Ovine LPS-Induced Acute Lung Injury (ALI). *Proc Am Thorac Soc* 2007; A890.
- 7) J.B. Hoag, **R.B. Easley**, M. Liu, H. Rabb, B.A. Simon. Canine IT-HCL Induced Acute Lung Injury Does Not Alter Renal Function Early in the Course of Injury. *Proc Am Thorac Soc* 2007; A841.
- 8) **Easley, R. B.**, Beck, K. C., Boyer R. Chon, D. Mulreaney DG, Fuld, MK, Simon BA, Hoffman EA, Albert RK, Reinhardt JM. Regional Lung Behavior measured by Parenchymal Markers and CT imaging in Ovine Acute Lung Injury. *Proc Am Thorac Soc* 2006; 3: A203.
- 9) Fernandez A, **Easley RB**, Fuld MK, Mulreany DG, Lancaster C, Hoffman EA, Simon BA. Characterization of the Evolution of Sheep LPS acute lung injury (ALI) by functional CT imaging. *Proc Am Thorac Soc* 2006; 3:A704
- 10) Ma S-F, Grigoryev DN, **Easley RB**, Ye SQ, Simon BA, Garica JGN. Bioinformatic class discovery of potential biomarkers in ventilator-associated lung injury. *Proc Am Thorac Soc* 2006; 3: A838.
- 11) **RB Easley**, MK Fuld, D Chon, H Shakata, EA Hoffman, and BA Simon. Ventilation, Perfusion and V/Q quantification in the Ovine Lung using Functional CT Imaging Techniques. *Proceedings of the American Thoracic Society, Vol. 2*, 2005, A333.
- 12) Fernandez A, **Easley RB**, Fuld MK, Lewis JF, Hoffman EA, Simon BA. r SPC Surfactant improves oxygenation and shunt in Severe Ovine Acute Lung Injury. *Proceedings of the American Thoracic Society, Vol. 2*, 2005, A145.
- 13) **R.B. Easley**, J.F. Lewis, L.A. McCaig, G. McLennan, K.C. Beck, M.K. Fuld, B.A. Simon; Regional Bronchioalveolar Lavage (BAL) in a Saline Lavage Model

of Acute Lung Injury (ALI) Demonstrates Regional Differences in Surfactant Behavior *Am J Respir Crit Care Med*, 2004; A544.

14) M.K. Fuld, **R.B. Easley**, O.I. Saba, D. Chon, K.C. Beck, E.A. Hoffman, B.A. Simon . Regional Specific Compliance as a Surrogate Measure for Regional Specific Ventilation in Supine Sheep. *Am J Respir Crit Care Med*, 2004; A547.

15) Simon BA, Ye SQ, **Easley RB**, Lavoie T, Grigoryev, Garcia JGN. Microarray analysis of regional cellular responses to mechanical stress in canine ventilator-associated lung injury (ALI). *Am J Respir Crit Care Med*, 2003, A777.

16) Ye SQ, Lavoie T, Gao L, **Easley RB**, Ma SF, Simon BA, Garcia JGN. Molecularcloning of canine Pre-B cell colony enhancing factor (PBEF) cDNA. *Am J Respir Crit Care Med*, 2004, A464

17) Simon BA, **Easley RB**, Saba O, Albert RK, Beck KC, Hoffman EA. Regional differences in intra-breath lung expansion in saline lavage injury assessed with high speed multi-detector CT. *Am J Respir Crit Care Med*, 2003; A847.

18) **Easley RB**, Simon BA. Total and regional lung volumes change with frequency (f) and tidal volume (delta P) during high-frequency ventilation (HFOV). *Am J Respir Crit Care Med*, A177, 2003.

19) **Easley RB**, Saba O, Chon D, Hoffman EA, and Simon B. Regional Recruitment is unchanged following exogenous surfactant in sheep saline lavage injury. *Am J Resp Crit Care*, 165: A383, 2002.

20) Simon BA, **Easley RB**. Regional recruitment is more uniform in Prone vs Supine position after oleic acid lung injury in dogs. *Am J Resp Crit Care*, 165: A682, 2002.

21) Simon BA, **Easley RB**, Boakye A. Regional differences in lung recruitment with PEEP after saline lavage (SL) lung injury in dogs. *Am J Resp Crit Care Med*, 163: A686, 2001.

PAST & CURRENT CLINICAL FELLOWS TRAINED:**Pediatric Critical Care Fellows:**

| | | <u>Current Status</u> |
|-------------------------|-------------|------------------------------|
| Cameron Dezfulian, MD | (2003-2007) | NIH |
| Nicole Shilkofski, MD | (2004-2007) | Johns Hopkins |
| Kristen Nelson, MD | (2004-2007) | Johns Hopkins |
| Megan McCabe, MD | (2004-2007) | Yale |
| Jason W. Custer, MD | (2006- | Johns Hopkins |
| Mela Bembea, MD | (2006- | Johns Hopkins |
| Carolyn Feltes, MD, PhD | (2006- | Johns Hopkins |
| Marrisa Brunneti, MD | (2006- | Johns Hopkins |
| Michael McCrory, MD | (2007- | Johns Hopkins |
| Chris Yang, MD | (2007- | Johns Hopkins |
| Michael Spaeder, MD | (2007- | Johns Hopkins |
| Christopher Watson, MD | (2007- | Johns Hopkins |

Pediatric Anesthesiology Fellows:

| | | |
|-----------------------|-------------|----------------------|
| Anthony Fan, MD | (2006-2007) | Univ. of Washington |
| Marco Corridore, MD | (2005-2006) | Columbus Children's |
| Mario Zaliya, MD | (2005-2007) | Tampa Bay Children's |
| Davika Singh, MD | (2005-2007) | Johns Hopkins |
| Robert Gross, MD | (2006-2007) | Private Practice |
| Helen Lee, MD | (2007-2008) | Johns Hopkins |
| Greg Latham, MD | (2007-2008) | Johns Hopkins |
| Vidya Chidambaran, MD | (2007-2008) | Johns Hopkins |

Combined Pediatric Critical Care /Anesthesiology Fellows:

| | | |
|------------------------------|-------------|---------------------|
| Kenneth M. Brady, MD | (2001-2006) | Johns Hopkins |
| Christopher T. Lancaster, MD | (2002-2007) | Columbus Children's |
| Christopher T. McKee, DO | (2002-2008) | Johns Hopkins |
| Julie Williamson, DO | (2003-2008) | Johns Hopkins |
| Jennifer K. Lee, MD | (2005- | Johns Hopkins |
| Anna T. Brown, MD | (2005- | Johns Hopkins |
| Mike Nemergut, MD, PhD | (2006- | Johns Hopkins |
| Joshua Dushaun, MD | (2006- | Johns Hopkins |
| Joshua Letterman, MD | (2006- | Johns Hopkins |

REFERENCES

References for Clinical Expertise

Local Clinical Expertise – Johns Hopkins Hospital

Z. Leah Harris, MD

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Myron D. Yaster, MD

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Duke E. Cameron, MD

Professor of Surgery
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Daniel P. Nyhan, MD

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David G. Nichols, MD

Professor of Anesthesiology and Pediatrics
Vice-Dean for Education
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References for Clinical Expertise (continued)National Clinical Expertise**Lynne G. Maxwell, MD**

Associate Professor
Department of Anesthesiology/Critical Care Medicine
Children's Hospital of Philadelphia
34th St. and Civic Center Blvd./ #9329 Main
Philadelphia, PA 19104
Phone: 215.590.3842
Fax: 215.590.1415
email: maxwell@email.chop.edu

Gregory A. Mencio, MD

Professor of Orthopedic Surgery
Children's Hospital at Vanderbilt
2200 Children's Way
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Fax: 615-343-2423
Email: gregory.mencio@vanderbilt.edu

Samuel Weinstein, MD

Associate Professor in Pediatric Cardiothoracic Surgery
Children's Hospital at Montefiore Medical Center
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