

CURRICULUM VITAE

June 1, 2012

PERSONAL INFORMATION

Name and Position: John W. Kuluz, M.D.
Pediatric Intensivist

Office Address:

Home Address: 13085 Coronado Lane
North Miami, Florida 33181
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Citizenship: United States

HIGHER EDUCATION and DEGREES

University of Notre Dame Aug, 1976 – May, 1980 B.S.
South Bend, Indiana

University of Mississippi School of Medicine Aug, 1980 – May, 1984 M.D.
Jackson, Mississippi

Federal Licensure Examination (FLEX) June, 1984
American Board of Pediatrics Nov, 1990 No. 44896
Pediatric Critical Care Board May, 2005 No. 209654

LICENSURES

Florida No. 48213
California No. A044344 (inactive)
Mississippi No. 10708 (inactive)
New Mexico No. 2011-0187
Arizona No. 46319

POST GRADUATE TRAINING

University of Florida School of Medicine/
Shands Teaching Hospital, Pediatric Residency Jul, 1984 –Jun, 1985
Gainesville, Florida (Internship)

University of Florida School of Medicine/
Shands Teaching Hospital, Pediatric Residency Jul, 1985 –Jun, 1987
Gainesville, Florida

Moffit-Long Hospital San Francisco, California	Clinical Fellow, Pediatric Critical Care	Jul, 1987 –Jun, 1990
Cardiovascular Research Institute, University of California, San Francisco, California	Research Fellow	Jul, 1987 –Jun, 1990

PROFESSIONAL APPOINTMENTS and EXPERIENCE

University of Miami School of Medicine/ Jackson Memorial Medical Center Pediatric Critical Care Medicine	Assistant Professor of Clinical Pediatrics	Sep, 1990–Jun, 1995
Jackson Memorial Hospital 1611 NW 12 th Avenue Miami, FL 33136	Attending Physician	Sep, 1990–May, 2009
University of Miami School of Medicine/ Jackson Memorial Medical Center Pediatric Critical Care Medicine	Associate Professor of Clinical Pediatrics	Jun, 1995–May, 2009
University of Miami School of Medicine/ Jackson Memorial Medical Center Pediatric Rehabilitation Center	Medical Director	2001 – 2006
University of Miami School of Medicine/ Jackson Memorial Medical Center Department of Neurosurgery	Adjunct Professor of Neurosurgery	2008 – May 31, 2009
Florida Hospital/Disney Children’s Hospital 601 E. Rollins Street Orlando, FL 32803 / Florida Pediatric Associates, LLP 1033 Dr. Martin Luther King, Jr. Street N St Petersburg, FL 33701-1547	Pediatric Critical Care	Jul, 2009 – present
Sacred Heart Hospital 5151 North 9th Avenue PO Box 2700 Pensacola, FL 32513	Pediatric Critical Care	Aug, 2009 – present
Baptist Children’s Hospital 8900 North Kendall Avenue Miami, FL 33176 /Pediatric Emergency Consultants 2080 SW 59 th Ave Plantation, FL 33317	Pediatric Critical Care Pediatric ED	April, 2010– present
Project Medishare 2 Field Hospital/Haiti Earthquake Relief	Pediatric Critical Care	Jan 16– Jan 26, 2010

Port-Au-Prince, Haiti

Presbyterian Hospital
1100 Central Avenue SE
Albuquerque, New Mexico 87106

Pediatric Critical Care

May, 2011– present

Miami Children’s Hospital
3100 SW 62nd Avenue
Miami, FL 33155

Pediatrics

May, 2011– present

JOURNAL REVIEWER

2012 Pediatric TBI Guidelines – External Reviewer
Journal of Neurotrauma
Journal of Pediatric Neuroradiology
Journal of Neurocritical Care
Pediatric Critical Care Medicine
Anesthesiology
Brain Research
Journal of Cerebral Blood Flow and Metabolism
Journal of Neurochemistry
Stroke
Critical Care Medicine
Neurology India

GRANT REVIEWER

Swiss National Science Foundation
Ad hoc reviewer May, 2008
NIH Study Section: Brain Injury and Neurovascular pathology
Ad hoc reviewer June, 2007
NIH Study Section: Developmental and Brain Disorders
Ad hoc reviewer June, 2005

State of Arizona Biomedical Research Program
Annual Proposals Review 2005 - 2009

University of Miami School of Medicine
Glaser Awards

SOCIETIES

American Academy of Pediatrics, Junior Fellow	1990 – present
Society of Critical Care Medicine, Member	1990 – present
Society for Neurotrauma	2004 – present
Pediatric Neurocritical Care Research Group, founding member	2008 – present

HONORS

1977 - March of Dimes Summer Research Award

GRANTS

(Funded / Active)

None presently

(Submitted / Pending / Not Yet Funded)

NIH Program Project – submitted June 7, 2008

W. Dalton Dietrich – Principal Investigator

Therapeutic hypothermia and combination therapies targeting spinal cord injury; J. Kuluz – Principal Investigator for Project 3: *Hypothermic protection in the adult minipig model of spinal cord injury*
March, 2009 – February, 2014

NIH 1 R21 NS063212-01

(Principal Investigator) (Priority score 194)

New Model of Pediatric Spinal Cord Injury in Piglets: Effect of Hypothermia
March, 2009 – February, 2011

(Funded / Inactive)

Shriners Grant: Clinician-Scientist Award

Sub-contract (Principal Investigator)

A New Model of Pediatric Spinal Cord Injury in Developing Piglets
July 1, 2006 – December 31, 2009

American Heart Association – Post-Doctoral Fellow Award
(Mentor)

Tingting Huang, MD, PhD – Principal Investigator

Regulated VEGF expression after hypoxic-ischemic encephalopathy in rats
July 1, 2008 – May 31, 2009

Miami Project Schwann Cell FDA Application Grant
(Principal Investigator)

Safety and tolerability of Schwann cell transplantation after spinal cord injury in adult minipigs
June 1, 2008 – May 31, 2009

Dyson Grant; Children's Trust of Miami-Dade County
(Principal Investigator)

Factors Affecting the Timing of School Re-entry after Traumatic Brain Injury in Children
August 1, October – May 31, 2008

Medtronics, Inc.

(Principal Investigator)

Effect of Neuroshield after Spinal Cord Injury in Piglets
September 1, 2007 – August 30, 2008

State of Florida – The Miami Project to Cure Paralysis
(Principal Investigator)

Effect of Hypoxia on VEGF, BBB Permeability and CSF and Serum Biomarkers after Severe TBI in Infant Piglets

July 1, 2007 – June 30, 2008

State of Florida – The Miami Project to Cure Paralysis
(Principal Investigator)

*A New Model of Pediatric Spinal Cord Injury in Developing Piglets:
Effect of Therapeutic Hypothermia*

July 1, 2006 – June 30, 2007

R21 NS44360-01 NINDS/NIH

Principal Investigator

A New Pediatric Model of Ischemic Stroke in Piglets

March 3, 2003 – February 28, 2006 extension through February, 2007

State of Florida – The Miami Project to Cure Paralysis
(Principal Investigator)

*CNS Transplantation of Stem Cells Derived From
Bone Marrow and Adipose Tissue into Piglet Brain*

July 1, 2003 – June 30, 2005

American Heart Association - Scientist Development Grant

Anthony J. McGoron, Ph.D. – Principal Investigator

*Cerebral Perfusion and Quantitative Glucose Metabolism Imaging in a Piglet
Model of Pediatric Brain Injury using Hybrid SPECT/PET*

July 1, 2001 – June 30, 2004

(John W. Kuluz, M.D. – Collaborating Investigator)

NICHD K12-HD00850 Pediatric Scientist Development Award

American of Medical School Pediatric Department Chairs, Inc.

Principal Investigator – Manuel Gonzalez-Brito, M.D.

*Identification of PTP- δ Ligand Function Within Specific
Regions of the Extra Cellular Domain*

July 1, 2002 – June 30, 2004

(John W. Kuluz, M.D. – Secondary Mentor)

1K08NS01890-03 NINDS/NIH Mentored Clinician-Scientist Development Award

(Principal Investigator)

Thermoregulatory Response to Focal Brain Ischemia

December 1, 1997 – August 31, 2001

Dean's Pilot Project Award – (Principal Investigator)

Development of a New Model of Ischemic Stroke in Infant Piglets

June 1, 1999 – May 31, 2000

Laerdal Foundation for Acute Medicine

Principal Investigator, Charles L. Schleien, M.D.

Selective Brain Cooling Following Cardiac Arrest in Infant Piglets

September 1, 1994 – August 31, 1995

Research Grant, Abbott, Inc – (Principal Investigator)

January 1, 1994

Equipment Grant – (Principal Investigator)

University of Miami School of Medicine

April 1, 1992

(John W. Kuluz, M.D. – collaborator)

INVITED LECTURES and GRAND ROUNDS

- | | |
|---|---------------------|
| 11th Annual Pediatric Symposium
Baptist Children’s Hospital
“Management of Mild Traumatic Brain Injury in Children”
Miami, FL | May 12, 2012 |
| 11th Annual Pediatric Symposium
Baptist Children’s Hospital
“Therapeutic Hypothermia for Severe Brain Injuries in Children”
Miami, FL | May 12, 2012 |
| 8th Annual Pediatric Brain and Spinal Cord Injury Conference
Conference Co-Director
“Management of Storming after Severe Brain Injury in Children”
Department of Neurosurgery
University of Miami School of Medicine– Miami, FL | November 8-9, 2010 |
| Pediatric Grand Rounds
Sacred Heart Children’s Hospital
“Pediatric Spinal Cord Injury”
Pensacola, FL | June 1, 2010 |
| Plenary Session Moderator
Howard H. Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction
Shriners Hospital for Children
Lake Buena Vista, FL | December 2-5, 2009 |
| 7th Annual Pediatric Brain and Spinal Cord Injury Conference
Conference Co-Director
“Controversies in Pediatric Neurocritical Care”
Departments of Surgery and Neurosurgery
University of Miami School of Medicine– Miami, FL | November 9-10, 2009 |
| Miami Children’s Hospital Research Conference
“Translational Research in Pediatric CNS Injury”
Miami Children’s Hospital, Miami, FL | May 12, 2009 |
| Shriners Annual Research Conference | February 17, 2009 |

“Research Update: Stem Cell Therapy for Spinal Cord Injury in Piglets”
Shriners’ Hospital for Children, Philadelphia

6th Annual Pediatric Brain Injury Conference November 10-11, 2008
Conference Co-Director
“Pediatric Spinal Cord Injury – Lessons from the Laboratory”
Departments of Pediatrics, Surgery and Neurosurgery
University of Miami School of Medicine– Miami, FL

6th Annual Pediatric Brain Injury Conference November 10-11, 2008
Conference Co-Director
“Hyperbaric Oxygen Therapy for Acute Brain Injury: Examining the Scientific Evidence”
Departments of Pediatrics, Surgery and Neurosurgery
University of Miami School of Medicine– Miami, FL

Texas Children’s Hospital May 27, 2008
Baylor School of Medicine
“Mechanisms of Spinal Cord Injury in Piglets”

University of Miami Neurosurgery Grand Rounds April 10, 2008
“Development of the Piglet Model of Spinal Cord Injury”

Shriners Annual Research Conference January 29, 2008
“Research Update: Pediatric Spinal Cord Injury in Infant Piglets”
Shriners’ Hospital for Children, Philadelphia

Howard H. Steel Conference: Injuries and Dysfunction November 29, 2007
of the Spinal Cord in Children; Orlando, FL
Shriners’ Hospital for Children
“Neuronal Differentiation of Adipose-Derived Stem Cells from
Infant Piglets in Vitro”

5th Annual Pediatric Brain Injury Conference November 2-4, 2007
Conference Co-Director
“Pediatric Stroke – Lessons from the Laboratory”
Departments of Pediatrics, Surgery and Neurosurgery
University of Miami School of Medicine– Miami, FL

4th Annual Pediatric Brain Injury Conference November 2-4, 2006
Conference Co-Director
“Hypothermia for Acute Brain Injury: Clinical Application”
Departments of Pediatrics, Surgery and Neurosurgery
University of Miami School of Medicine– Miami, FL

2006 Brain Injury Conference of the Americas September 14, 2006
North American Brain Injury Society
“Controversial Issues in Pediatric Neurocritical Care”

Web Conference on Hyperbaric Oxygen Therapy in Children September 13, 2006
University of Medicine and Dentistry of New Jersey
7“HBOT: Examining the Scientific Evidence – A Critical Analysis”

- Shriners Annual Research Conference February 4, 2007
"Research Update: Pediatric Spinal Cord Injury in Infant Piglets"
Shriners Hospital for Children, Philadelphia
- 3rd Annual Pediatric Brain Injury Conference November 4-5, 2005
Conference Co-Director
"CNS monitoring in the ICU after Brain Injury"
Departments of Pediatrics, Surgery and Neurosurgery
University of Miami School of Medicine– Miami, FL
- Shriners Hospitals for Children – Philadelphia, PA October 10-11, 2005
Contemporary Topics in Pediatric Spinal Cord Injury Conference
"Preparing the Child with SCI for Transfer to Rehab"
- XVII Congress Pan American Trauma Society – Miami Beach, FL November 17, 2004
"Controversies in the Management of Pediatric Traumatic Brain Injury"
- 2nd Annual Pediatric Brain Injury Conference October 22, 2004
Conference Co-Director
"Encephalitis in Children"
Departments of Pediatrics, Surgery and Neurosurgery
University of Miami School of Medicine– Miami, FL
- Congress of the Society of Critical Care Medicine February, 2004
Orlando, FL
"Rehabilitation of the Child with Traumatic Brain Injury"
- University of Miami School of Medicine/Jackson Memorial Hospital October 21, 2003
Department of Pediatrics Grand Rounds
"Introduction to Pediatric Rehabilitation" – Miami, FL
- 1st Annual UM Pediatric Brain Injury Conference October 17, 2003
Conference Co-Director
"Catastrophic Brain Injury in Children - Issues in Rehabilitation"
Departments of Pediatrics, Surgery and Neurosurgery
University of Miami School of Medicine– Miami, FL
- Florida Association of Pediatric Critical Care Medicine January 25, 2003
38th Annual Pediatric Postgraduate Course: Perspectives in Pediatrics
Critical Care Scientific Research Symposium
"Development of a Pediatric Neurotrauma Program"
Miami Children's Hospital - Miami, FL
- University of Miami School of Medicine/Jackson Memorial Hospital October, 2003
Department of Pediatrics Grand Rounds – Miami, FL
"Pediatric Rehabilitation"
- Ortho-Rehab-Neuro-Hospital Center October 18, 2002
University of Miami School of Medicine/Jackson Memorial Hospital
"Pediatric Traumatic Brain Injury Continuum of Care"

Rehabilitation Center, Miami Airport Marriott - Miami, FL Bolivian Society of Pediatrics Annual Meeting Visiting Professor and Lecturer "Status Epilepticus in Children" "Pediatric Traumatic Brain Injury" "Pathophysiology of Cerebral Ischemia-Reperfusion Injury" "Update on Management of Sepsis in Children" "Protective Lung Strategies in the Management of ARDS" Cochambamba, Bolivia	April, 2001
Florida Society of Critical Care Medicine Annual Meeting "Fever and inflammation in acute brain injury: clinical and experimental observations"	October, 2000
University of Miami School of Medicine/Jackson Memorial Hospital Department of Pediatrics Grand Rounds – Miami, FL "Role of Fever and Inflammation in Acute Brain Injury"	April, 2000
University of Miami School of Medicine/Jackson Memorial Hospital Department of Neurology – Miami, FL "Fever, Stroke and Inflammation: Clinical and Experimental Observation"	February, 2000
University of Miami School of Medicine/Jackson Memorial Hospital Department of Pediatrics Grand Rounds – Miami, FL "Status Epilepticus in Children"	February, 1999
University of Miami School of Medicine/Jackson Memorial Hospital Department of Pediatrics Grand Rounds – Miami, FL "Hepatic Encephalopathy"	March 28, 1995
University of Miami School of Medicine/Jackson Memorial Hospital Division of Pediatric Critical Care Medicine – Miami Beach, FL Advanced Pediatric Resuscitation and Emergency Care Course "Neuroresuscitation of the Head-Injured Patient/ICP Monitoring"	February 12, 1994
Florida Medical Association Annual Meeting – Miami Beach, FL Cardiology in the Pediatric Intensive Care Unit "Reperfusion Injury of the Brain Following Cardiac Arrest"	May 8, 1993
University of Miami School of Medicine/Jackson Memorial Hospital Department of Neurological Surgery – Orlando, FL Intensive Care for Neurological Trauma and Disease: A Multidisciplinary Approach "Pediatric Neuro ICU Patients: Little People/Big Problems" and "The Pediatric Neuro Patient: Special Care Issues"	March 25, 1993
American Association of Critical Care Nurses – Miami, FL Greater Miami Chapter- Continuing Medical Education Program "Jugular Venous Oxygen Saturation Monitoring"	March 18, 1993
Baylor College of Medicine – Houston, Texas	March 12, 1993

Department of Neurosurgery Research Conference
"Inflammatory Responses to Ischemic Brain Injury"

University of Miami School of Medicine/Jackson Memorial Hospital February 26, 1993
40th Anniversary Symposium – Miami, FL
"Reperfusion Injury of the Brain Following Cardiac Arrest"

University of Miami School of Medicine/Jackson Memorial Hospital February 18, 1993
Division of Pediatric Critical Care Medicine – Miami Beach, FL
Advanced Pediatric Resuscitation and Emergency Care Course
"Neuroresuscitation of the Head-Injured Patient/ICP Monitoring"

Arnold Palmer Hospital for Children and Women July 28, 1992
Grand Rounds-Department of Pediatrics – Orlando, FL
"Hepatic Encephalopathy in Children"

Grand Rounds - Department of Pediatrics April, 1992
University of Miami School of Medicine - Miami, FL
"CNS Monitoring in Pediatric Critical Care"

Arnold Palmer Hospital for Children and Women March, 1992
Pediatric Critical Care Conference – Orlando, FL
"CNS Monitoring in Pediatric Critical Care"

Grand Rounds - Department of Pediatrics October, 1991
University of Miami School of Medicine - Miami, FL
"The Effects of Temperature on CNS Injury"

TEACHING

Teaching Specialization (courses taught):

1990 - 2008	Instructor, 3 rd Year Medical Student Pediatric Core Curriculum Lectures
1990 – 2008	Instructor, Pediatric Residency Program Pediatric Core Curriculum Lectures
1990 - 2008	Instructor, Critical Care Nurse Training Program Department of Pediatrics University of Miami School of Medicine Jackson Memorial Hospital Miami, FL
1987 - 1990	Instructor, Critical Care Nurse Training Program Department of Pediatrics University of California, San Francisco San Francisco, CA

COMMITTEES

1995 – 2003	Founding Member, Pediatric Bereavement Team
1993 - 2003	Chairman, Pediatric Research Committee
1991 - 1993	Member, Pediatric Research Committee Department of Pediatrics

CHAPTERS

Hunt E, Shaffner D, **Kuluz J**, Schleien C: Cardiopulmonary Resuscitation. In: *Golden Hour: The Handbook of Advanced Pediatric Life Support*, Third Edition. Edited by Nichols D, Yaster M, Schleien C, Paidas. Elsevier, Philadelphia, 2011.

Kuluz J, Kim H, Dixon D, Samdani A, Gonzalez-Brito M, Mulcahey M: Special considerations for the child with SCI. In: *Spinal Cord Injury Rehabilitation*. Edited by Edelle Field-Fote. FA Davis. Philadelphia, 2010.

Schleien CL, **Kuluz JW**: The role of leukocytes in global and focal brain ischemia. In: *Update in Intensive Care and Emergency Medicine: Intensive Care in Childhood*. Edited by Tibboel D and van der Voort. Springer-Verlag, The Netherlands, 1996.

Schleien CL, **Kuluz JW**, Shaffner DH: Cardiopulmonary Resuscitation. In: *Textbook of Pediatric Intensive Care*, Third Edition. Edited by Rogers MC. Williams and Wilkins, Baltimore, 1995.

Schleien CL, **Kuluz JW**: Cardiopulmonary Resuscitation. In: *The Science and Practice of Pediatric Cardiology*, Second Edition. Edited by Garson A JR, Bricker JT, Fisher DJ, Neish SR. Williams and Wilkins, Houston, 1995.

Schleien CL, **Kuluz JW**: Cardiopulmonary Resuscitation: In: *Textbook in Pediatric Intensive Care*, Third Edition. Edited by Rogers MC. Williams & Wilkins, Baltimore, pp3-49, 1995.

Schleien CL, Gelman B, **Kuluz JW**: Pediatric Cardiopulmonary Resuscitation. In: *Anesthesiology Clinics of North America*. Edited by Rothenberg DM. W.B. Saunders Company, Philadelphia, pp943-979, 1995.

Schleien CL, **Kuluz JW**: Physiological Foundations of Cardiopulmonary Resuscitation. In: *Pediatric Critical Care*. Edited by Fuhrman B. Mosby, New York, 1995.

Schleien CL, **Kuluz JW**, Shaffner DH, Rogers MC: Cardiopulmonary resuscitation. In: *Handbook of Pediatric Intensive Care*. Edited by Rogers MC, Helfaer MA. Williams and Wilkins, Baltimore, 1994.

Schleien CL, **Kuluz JW**, Shaefner H: Cardiopulmonary resuscitation in infants and children. In: *Textbook of Pediatric Intensive Care*, Second edition. Edited by Rogers, MC. Williams and Wilkins, Baltimore, pp3-51, 1992.

ORIGINAL PUBLICATIONS

Kuluz J, Bosques G, Ragheb J, Pruitt D, Rutter L, Gonzalez-Brito M, Price N. Critical care issues in

children with acute spinal cord injury. *Comprehensive Reviews in Critical Care: Pediatric*, 2012. *In Press*.

Kuluz J. Improving pre-hospital airway management and care of children with severe traumatic brain injury. *Pediatr Crit Care Med*. 2010;12(1):112-113.

Zahra MS, Samdani A, Piggott K, Gonzalez-Brito M, Solano J, De Los Santos R, Buitrago JC, Alam F, He D, Padgett K, Duncan R, Betz R, Dietrich WD, **Kuluz J.** Acute changes in systemic hemodynamics and serum vasopressin after complete cervical spinal cord injury in piglets. **Neurocrit Care**. 2010 May 11. [Epub ahead of print]

Sandberg DI, Solano J, Petito CK, Mian A, Mou C, Koru-Sengul T, Gonzalez-Brito M, Padgett KR, Luqman A, Buitrago JC, Alam F, Wilkerson JR, Crandall KM, **Kuluz JW.** [Safety and pharmacokinetic analysis of methotrexate administered directly into the fourth ventricle in a piglet model](#). *J Neurooncol*. 2010 May 4. [Epub ahead of print]

Kuluz J, Samdani A, Benglis D, Gonzalez-Brito M, Solano J, Ramirez M, Luqman A, De Los Santos R, Hutchinson D, Nares M, Padgett K, He D, Huang T, Levi A, Betz R, Dietrich WD. Pediatric spinal cord injury in infant piglets: description of a new large animal model and review of the literature. *J Spinal Cord Med*. 2010;33(1):43-57.

Sandberg DI, Crandall KM, Koru-Sengul T, Padgett KR, Landrum J, Babino D, Petito CK, Solano J, Gonzalez-Brito M, **Kuluz JW.** Pharmacokinetic analysis of etoposide distribution after administration directly into the fourth ventricle in a piglet model. *J Neurooncol*. 2009 Aug 18. [Epub ahead of print]

Huang TT, Solano J, He D, Dietrich WD, **Kuluz J.** Traumatic injury activates MAP kinases in astrocytes: mechanisms of hypothermia and hyperthermia. *J Neurotrauma*. 2009 Jan 22. [Epub ahead of print]

Huang TT, DeFazio R, Perez-Pinzon M, He D, Kleiner G, **Kuluz J.** Forskolin induces incomplete neuronal differentiation of adipose-derived stem cells via cAMP. *J Stem Cell and Dev*, *Submitted*

Huang TT, Du M, **Kuluz J,** Li Y, Ma H. Effects of Insulin Resistance on GH/IGF-1 Axis and Growth Plate ERK Signaling in Rats Born Small for Gestational Age. *Endocrinology*, *Submitted*

McGoron AJ, Capille M, Georgiou M, Solano J, Gonzalez-Brito M, Sanchez P, **Kuluz J.** Post-Traumatic Brain Perfusion and Metabolism Measured by Microspheres, SPECT and PET after Traumatic Brain Injury in Piglets. *J Trauma, Injury, Infection and Critical Care*, *Submitted*

Huang TT, Du M, **Kuluz J,** Li Y, Ma H. Post-receptor Crosstalk on PI3K/Akt between GH and Insulin in Noncatch-Up Growth Rats Born Small for Gestational Age. *Horm Res*. 2008 May 20;70(1):29-35.

Sandberg DI, Crandall KM, Petito CK, Padgett KR, Landrum J, Babino D, He D, Solano J, Gonzalez-Brito M, **Kuluz JW.** Chemotherapy Administration Directly into the Fourth Ventricle in a New Piglet Model. *J Neurosurg Pediatrics*. 2008 May;1(5):373-380.

Sandberg DI, Crandall K, Petito CK, Padgett K, Landrum J, Babino D, He D, Benglis DM, Ramirez MA, **Kuluz JW.** Distribution of Etoposide in cerebrospinal fluid after infusions into the fourth ventricle in piglets. *J Neurosurg Pediatrics*. 2008 Apr;1(4):A354

Kuluz J, Huang T, Watson B, Vannucci S. Stroke in the Immature Brain: Review of Pathophysiology

and Animal Models of Pediatric Stroke. *Future Neurol* 2008;3(2):199-216

McGoron AJ, M Capille, M Georgiou, P Sanchez, J Solano, M Gonzalez-Brito³ and **J Kuluz**. Post traumatic brain perfusion SPECT analysis using reconstructed ROI maps of radioactive microsphere derived cerebral blood flow and statistical parametric mapping. *BMC Medical Imaging* 2008, **8**:4

Kuluz J, Prado R, He D, Zhao W, Dietrich WD, Watson, B. New pediatric model of ischemic stroke induced by photothrombosis in infant piglets: acute changes in cerebral blood flow, microvasculature and early histopathology. *Stroke* 2007;38:1932-1937

Huang TT, He D, Kleiner G, **Kuluz J**. Neuron-like differentiation of adipose-derived stem cells from infant piglets in vitro. *J Spinal Cord Med* 2007;30:S35-S40

Hotz GA, Castelblanco A, Lara IM, Weiss AD, Duncan R, **Kuluz J**. Snoezelen: a controlled multi-sensory stimulation therapy for children recovering from severe brain injury. *Brain Inj* 2006 Jul;20(8):879-88

McGoron AJ, Mao X, Georgiou MF, **Kuluz JW**: Computer phantom study of brain PET glucose metabolism imaging using a rotating SPECT/PET camera. *Comput Biol Med.* 2005 Jul;35(6):511-31

Youngblut JM, Brooten D, **Kuluz JW**: Parent's reactions at 24-48 hours after a preschool child's head injury. *Pediatr Crit Care Med* 2005; 6:550-556

Tang K, Liu C, **Kuluz JW**, He B: Alterations of CaMKII after hypoxia-ischemia during brain development. *J Neurochem* 2004:1471-4159

McLaughlin GE, Kashimawo LA, Steele BW, **Kuluz JW**: Theophylline prevents Tacrolimus-induced decline in renal blood flow and glomerular filtration rate in rats. *Pediatr Crit Care Med* 2003;4(3)358-362

McLaughlin GE, Kashimawo LA, Steele BW, **Kuluz JW**: Reversal of Tacrolimus-induced renal vasoconstriction by theophylline in rats. *Pediatr Crit Care Med* 2003;4(3)358-362

Dietrich WD, **Kuluz JW**: Emerging Therapies: New research in the field of stroke: Therapeutic hypothermia after cardiac arrest. *Stroke* 2003;34(4):1051-1053

Villa X, **Kuluz JW**, Schleien CL, Thompson JF: Epidermal growth factor reduces ischemia-reperfusion injury in rat small intestine. *Crit Care Med* 2002;30:1576-1580

Matsushita Y, Bramlett HM, **Kuluz JW**, Alonso O, Dietrich WD: Delayed hemorrhagic hypotension exacerbates the hemodynamic and histopathological consequences of traumatic brain injury in rats. *J Cereb Blood Flow Metab* 2001;21(7):847-856

Monroy M, **Kuluz JW**, Schleien C, Dietrich WD: The role of nitric oxide in the cerebrovascular and thermoregulatory response to interleukin-1 Beta. *Am J Physiol Heart Circ Physiol* 2001;280(4):H1448-H1453

Kuluz JW, McLaughlin GE, Gelman B, Cantwell GP, Thomas J, Mahon T, Schleien CL: The fraction of inspired oxygen in infants receiving oxygen via nasal cannula often exceeds safe levels. *Respir Care* 2001;46(9):897-901

¹₃ The TG, McLaughlin GE, **Kuluz JW**, Schachner L, Schleien CL: Ten days of orotracheal intubation with

successful extubation in an infant with junctional epidermolysis bullosa. *Pediatr Crit Care Med* 2000;1:88-90

McLaughlin GE, Kulatunga S, **Kuluz JW**, Gelman B, Schleien CL: Cerebral blood flow during partial liquid ventilation in surfactant-deficient lungs under varying ventilation strategies. *Pediatr Crit Care Med* 2000;2:88-92

Schleien CL, **Kuluz JW**, Gelman B, Dietrich WD: Hemodynamic effect of nitric oxide synthase inhibition before and after cardiac arrest in infant piglets. *Am J Physiol* 1998(4);274:H1378-H1385

Wang N, **Kuluz J**, Barron M, Perryman R: Cardiopulmonary bypass in a patient with moyamoya disease. *Anesth Analg* 1997;84(5):1160-3

Gelman B, Schleien CL, Lohe AS, **Kuluz JW**: Selective brain cooling in infant piglets after cardiac arrest and resuscitation. *Crit Care Med* 1996;24(6):1009-1017

Caceres MJ, Schleien CL, **Kuluz JW**, Gelman B, Dietrich WD: Early endothelial damage and leukocyte accumulation in piglets brains following cardiac arrest. *Acta Neuropathol* 1995;90(6):582-591

Dallessio JJ, Markely MA, Lohe A, **Kuluz JW**, Oiticica C: Management of Traumatic Pulmonary Pseudocyst Using High-Frequency Oscillatory Ventilation. *J Trauma* 1995;39(6):1188-1190

Kuluz JW, Prado R, Chang J, Ginsberg MD, Schleien CL, Busto R: Selective brain cooling increases cortical cerebral blood flow in rats. *Am J Physiol* 1993;265:H824-827

Kuluz JW, Prado RJ, Dietrich WD, Schleien CL, Watson BD: The effect of nitric oxide synthase inhibition on infarct volume after reversible focal cerebral ischemia in conscious rats. *Stroke* 1993;24(12):2023-2029

Kuluz JW, Gregory GA, Han Y, Dietrich D, Schleien CL: Fructose-1,6-bisphosphate reduces infarct volume after reversible middle cerebral artery occlusion in rats. *Stroke* 1993;24(10):1576-1583

Prado R, Watson BD, **Kuluz JW**, Dietrich WD: Endothelium-derived nitric oxide synthase inhibition: Effects on cerebral blood flow, pial arterial diameter and vascular morphology in the rats. *Stroke* 1992;23(8):1118-1124

Kuluz JW, Gregory GA, Yu ACH, Chang Y: Selective brain cooling during and after prolonged global ischemia reduces cortical damage in rats. *Stroke* 1992;23(12):1792-1797

EXHIBITIONS

Kuluz JW, Prado RJ, Han Y, Qiao L, Dietrich WD, Schleien CL: The thermoregulatory response to focal brain ischemia in rats is unaffected by indomethacin. *International Symposium on Cerebral Blood Flow and Metabolism, 1997*

Kuluz JW, Mahon T, Dallessio JJ, McLaughlin GE, Cantwell GP, Schleien CL: The cardiopulmonary effects of inhaled CO₂ during apnea testing in children. *Seventh Pediatric Critical Care Colloquium, 1994*

Kuluz JW, Gregory GA, Han Y, Dietrich WD, Schleien CL: Fructose-1,6-diphosphate (FDP) reduces infarct volume following reversible middle cerebral artery occlusion in rats. *SCCM, 1993*.

Hamilton MS, Marshall BA, O'Neill GJ, **Kuluz JW**, Pegelow CH, Gelman B, Harris JA, Riestra S: The use of plasma exchange to circumvent platelet alloimmunization in a patient with intracerebral bleed. *American Society for Apheresis, 1992*

Socarras R, **Kuluz JW**, Neri J, Miller J, Burke G, Schleien CL: Perioperative variables related to outcome in pediatric fulminant hepatic failure. *Florida Medical Association, Annual Meeting, 1992*

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ABSTRACTS

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