

CURRICULUM VITAE

NAME	Melvin Douglas Jones, Jr., MD
DATE AND PLACE OF BIRTH	April 22, 1943 San Antonio, Texas
MARITAL STATUS	Ann Akridge Jones
CHILDREN	<p>Monica Jones Federico September 10, 1970</p> <p>Tobin Laurence Jones December 16, 1972</p>

EDUCATION AND PROFESSIONAL TRAINING

1960-64	Rice University Houston, Texas	B.A., History
1964-68	University of Texas Southwestern Medical School Dallas, Texas	M.D.
1968-69	University of Colorado School of Medicine Denver, Colorado	Intern/Pediatrics
1969-71	University of Colorado School of Medicine The Children's Hospital Denver, Colorado	Resident/Pediatrics
1973-75	University of Colorado School of Medicine Denver, Colorado	Fellow/Neonatal- Perinatal Medicine

ACADEMIC APPOINTMENTS

1971-73	Clinical Instructor Department of Pediatrics University of Texas Medical School at San Antonio
1975-77	Assistant Professor Department of Pediatrics University of Colorado School of Medicine
1977-80	Assistant Professor Department of Pediatrics The Johns Hopkins University School of Medicine
1977-90	Assistant Professor Department of Gynecology and Obstetrics The Johns Hopkins University School of Medicine

1980-87 Associate Professor
Department of Pediatrics
The Johns Hopkins University School of Medicine

1982-90 Associate Professor
Department of Anesthesiology/Critical Care Medicine
The Johns Hopkins University School of Medicine

1987-90 Professor
Department of Pediatrics
The Johns Hopkins University School of Medicine

1990 Associate Professor
Department of Gynecology and Obstetrics
The Johns Hopkins School of Medicine

1990-2005 Professor and Chair
Department of Pediatrics
School of Medicine
University of Colorado Health Sciences Center

2005- Professor
Section of Neonatology
Department of Pediatrics
University of Colorado School of Medicine

2010- Senior Associate Dean for Clinical Affairs

HOSPITAL APPOINTMENTS

1971-72 Chief, Neonatology Service
Brooke General Hospital
Fort Sam Houston, Texas

1972-73 Clinical Officer
Brooke General Hospital
Fort Sam Houston, Texas

1975-76 Neonatologist
The Children's Hospital
Denver, Colorado

1976-77 Medical Director, The Newborn Center
The Children's Hospital
Denver, Colorado

1977-83 Co-Director, Newborn Services
The Johns Hopkins Hospital
Baltimore, Maryland

1983-90 Director, Eudowood Neonatal Pulmonary Division
The Johns Hopkins University School of Medicine
Baltimore, Maryland

1983-90 Director, Neonatal Intensive Care Unit
The Johns Hopkins University School of Medicine

1990-2005 Baltimore, Maryland
 Pediatrician-in-Chief
 The Children's Hospital
 Denver, Colorado
 1990-2005 Chief, Pediatric Service
 University Hospital
 Denver, Colorado
 1998-2005 L. Joseph Butterfield Chair in Pediatrics
 The Children's Hospital
 Denver, Colorado

MEDICAL LICENSURE

August 10, 1968	Texas	#D5051
November 9, 1990	Colorado	#19001

PROFESSIONAL CERTIFICATION

National Board of Medical Examiners	1969
American Board of Pediatrics #16381	1973. Recertified, 1992, 2003; meeting the requirements of Maintenance of Certification.
Subboard of Neonatal-Perinatal Medicine #162	1975. Recertified, 1992, 2001; meeting the requirements of Maintenance of Certification.

HONORS

1968 Lange Award
 1979 Schaffer Award for Excellence in Clinical Teaching
 1983 Visiting Professor, University of Texas Southwestern Medical School
 1984 Visiting Professor, University of Connecticut School of Medicine
 1985 Visiting Professor, SUNY, Buffalo
 1985 Faculty, Mead Johnson Perinatal and Developmental Medicine Symposium
 1986 Visiting Professor, University of Illinois, Chicago School of Medicine; Visiting Professor Penn State School of Medicine
 1988 Visiting Professor, University of Toronto
 1990 F. Stanley Parker Visiting Professor, Eastern Virginia Medical School
 1994 Best Doctors in America
 1996 Best Doctors in America
 1997 Emory University School of Medicine Scholar in Neonatology
 1997 Best Doctors in America
 1998 Best Doctors in America
 1999 Kempe Professional Service Award, Kempe Children's Foundation

- 2002 Jimmy L. Simon, M.D. Distinguished Lecturer in Pediatrics. Wake Forest School of Medicine
- 2003 High Hopes Award, Children's Diabetes Foundation
- 2004 James C. Overall Visiting Professor, Vanderbilt University School of Medicine
- 2005 NICHD Butterfield Lecture
- 2005 James E. Strain Award, The Children's Hospital Medical Staff
- 2005 Career Teaching Scholar, Department of Pediatrics, The University of Colorado School of Medicine
- 2006 Dr. Minnie C.T Love "Medicine" Award, The Children's Hospital Foundation
- 2007 Alan Schwartz Visiting Professor, Sinai Hospital, Baltimore, MD
- 2007 Visiting Professor, The Johns Hopkins University School of Medicine
- 2007 Visiting Professor, Uniformed Services University of the Health Sciences
- 2008 Visiting Professor, University of Wisconsin School of Medicine
- 2008 Bilderback Lectureship, Oregon Health and Science University
- 2008 Joseph W. St. Geme, Jr. Leadership Award, Federation of Pediatric Organizations
- 2009 Finkelstein Lectureship, University of Maryland

PROFESSIONAL AFFILIATIONS:

American Academy of Pediatrics
 American Pediatric Society
 Perinatal Research Society; Secretary-Treasurer, 1984-1989
 Society for Pediatric Research

ACADEMIC SERVICE

The Johns Hopkins University School of Medicine

- 1978-80 Intern Selection Committee, Department of Pediatrics
- 1982 Chairman, Search Committee for Chief of Pediatric Pulmonary Division
- 1983-84 Deputy Director for Housestaff Affairs
Department of Pediatrics
- 1983 Member, Search Committee for the Chairman of Department of Gynecology and Obstetrics
- 1983-87 Medical School Council
- 1986 Chairman, Committee on Educational Programs and Training, Medical School Faculty Retreat
- 1986-89 Chairman, Telethon Advisory Committee
- 1984-90 Pediatric Residency Review Committee
- 1984-90 Pediatric Clinical Practice Committee
- 1987-90 Internal Clinician-Scientist Selection Committee

The University of Colorado Health Sciences Center

1990-	Board of Directors, University Physicians, Inc.
1991	Chair, Search Committee for Executive Director, Barbara Davis Center for Childhood Diabetes
1992-96	First Vice President, University Physicians, Inc.
1993-94	Dean's Blue Ribbon Committee on Tenure and Salary Structure
1994-96	Dean's Blue Ribbon Committee II on Promotion and Tenure
1996	Dean's Committee on Promotion Criteria for Clinical Faculty University of Colorado School of Medicine
1997	Chancellor's Fitzsimons Advisory Committee
1997	Chancellor's Master Planning Committee
1999	Chair, Search Committee for Chair of the Department of Family Medicine
2000	Chair, Search Committee for Chair of the Department of Psychiatry and Superintendent of the Colorado Psychiatric Hospital
2002	Research Strategic Advisory Committee
2003	Chair, Search Committee for Chair of the Department of Medicine
2006-	Pediatric General Clinical Research Center Scientific Advisory Committee, Adjunct Member
2010	Chair, Dean's Task Force on Quality Improvement and Patient Safety

HOSPITAL SERVICE

The Children's Hospital

1990-2005	Medical Board of the Medical Staff
1990-2005	Executive Committee of the Medical Board of the Medical Staff
1990-2005	Executive Team
1990-1992	Board of Directors, Kempe Research Center
1992-2005	Research Committee of the Board of Directors of The Children's Hospital
1996-2005	Board of Directors, The Children's Hospital Research Institute
1996-2005	President, The Children's Hospital Research Institute

University of Colorado Hospital Medical Staff

1990-2005	Medical Board of the Medical Staff
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COMMUNITY SERVICE

1991-	Board of Directors, Children's Diabetes Foundation
1992-2005	Board of Directors, Kempe Children's Foundation
1992-2005	Executive Committee, Board of Directors, Kempe Children's Foundation
1994-2001	Board of Directors, KidSmart Health Partners
1994-2001	Executive Committee, Board of Directors, KidSmart Health Partners

1994-2001 Board of Directors, Pediatric Physicians and Surgeons Network
 1998-2003 Board of Directors, Child Health Advocates

NATIONAL SERVICE

NICHHD and NINDS Ad Hoc Study Sections

1990 Consensus Development Conference on Intravenous Immunoglobulin: Prevention and Treatment of Disease, May 21-23, 1990
 1991-94 National Institute of Child Health and Human Development (NICHD) Data Safety and Monitoring Committee
 1994-97 Association of Medical School Pediatric Department Chairmen, Executive Committee
 1999-2005 Association of Medical School Pediatric Department Chairs, Secretary-Treasurer; Executive Committee
 1997-2001 Scientific Advisory Committee, Children's National Medical Center Research Institute
 1996-99 Future of Pediatric Education (FOPE) II Task Force; Workgroup on Costs of GME, Vice-Chair
 2001-2003 Academic Advisory Board, Pfizer Visiting Professorship Program in Pediatrics,
 2001- Pediatric Medical Advisory Committee, Lucile Packard Foundation for Children's Health, Palo Alto, CA
 2003-2005 Steering Committee, Pediatric Scientist Development Program
 2004-2007 Expert Work Group on Pediatric Subspecialty Capacity, Maternal and Child Health
 2007- Program Evaluation Committee, Pediatric Scientist Development Program
 2008- Pediatric Education Redesign Group, AAMC

American Board of Pediatrics

1992-98 Subboard of Neonatal-Perinatal Medicine; Chair, 1994-96
 1995-2000 Board of Directors
 2004-2010 Board of Directors
 1996-2009 New Subspecialties Committee
 2000 Nominating Committee, The American Board of Pediatrics
 2002- Subspecialties Committee; Chair, 2002- 2005
 2004- Neonatal-Perinatal Self-Assessment Committee
 2005-2009 Residency Review and Redesign in Pediatrics Project, Chair
 2006-2009 Finance Committee
 2007 Secretary-Treasurer, Board of Directors
 2008 Chair-elect, Board of Directors
 2009 Chair, Board of Directors

Accreditation Council for Graduate Medical Education

2000-05 Residency Review Committee for Pediatrics; Chair, 2004-05
 2005-05 Residency Review Committee Council of Chairs, 2004-05; Co-Chair, 2005
 2005-09 Committee on Innovation in the Learning Environment (CILE)

EDITORIAL APPOINTMENTS

Editorial Board: Critical Care Medicine, 1990-1997

Ad hoc reviewer: American Journal of Physiology; American Review of Respiratory Disease; Pediatric Research; Journal of Developmental Physiology; Obstetrics and Gynecology; Pediatrics; Journal of Pediatrics; Science; Journal of Clinical Investigation; Archives of Pediatric and Adolescent Medicine; American Journal of Obstetrics and Gynecology

RESEARCH SUPPORT (Past)

1979-1987 NIH R01 HD 13830
 Cerebral Blood Flow in the Fetus and Newborn
 Principal Investigator
 1981-84 NIH R01 EY 02482
 Prostaglandins in Premature Infant Vascular Physiology
 Co-Investigator
 1983-90 NIH NS 20020
 Cerebral Blood Flow in the Fetus and Newborn, Project in
 Mechanisms of Regulation of Cerebral Blood Flow, Richard J.
 Traystman, Program Director
 Principal Investigator (replaced HD 13830)
 1983-87 NIH NS 20020
 Control of Cerebral Circulation and Metabolism during Hypoxia,
 Project in Mechanisms of Regulation of Cerebral Blood Flow,
 Richard J. Traystman, Program Director
 Co-Investigator
 1987-92 NIH HL 36765
 Collateral Mechanics: Effects of Age and Lung Dysfunction
 Co-Investigator
 1987-92 NIH HL 38285
 Fetal Circulatory Response to Cerebral Compression
 Co-Investigator
 1990-94 NIH DA 06658
 Cocaine and Cerebral Blood Flow: Fetus, Newborn and Adult
 Principal Investigator

ORIGINAL ARTICLES

1. Jones MD Jr, Helfer RE: A teething lotion resulting in the misdiagnosis of diphenylhydantoin administration. *Am J Dis Child* 122:259-260,1971.
2. Jones MD Jr, Gresham EL, Battaglia FC: Urinary flow rates and urea excretion rates in newborn infants. *Biol Neonate* 21:321-329,1972.
3. Jones, MD Jr, Burd LI, Bowes WA Jr, Battaglia FC, Lubchenco LO: Failure of association of premature rupture of membranes with respiratory distress syndrome. *N Engl J Med* 292:1253-1257,1975.
4. Burd LI, Jones MD Jr, Simmons MA, Makowski EL, Meschia G, Battaglia FC: Placental production and fetal utilization of lactate and pyruvate. *Nature* 254:710-711,1975.
5. Jones MD Jr, Burd LI, Makowski EL, Meschia G, Battaglia FC: Cerebral metabolism in the sheep: A comparative study of the adult, the lamb, and the fetus. *Am J Physiol* 229:235-239,1976.
6. Lemons JA, Adcock EW III, Jones MD Jr, Naughton, MA, Meschia G, Battaglia FC: Umbilical uptake of amino acids in the unstressed fetal lamb. *J Clin Invest* 58:1420-1434,1976.
7. Lum, LG, Jones MD Jr: The relationship of cuff width to the accuracy of systolic blood pressure in the neonates. *J Pediatr* 91:963-966,1977.
8. Jones, MD Jr, Sheldon, RE, Peeters, LL, Meschia G, Battaglia FC, Makowski EL: Fetal cerebral oxygen consumption at different levels of oxygenation. *J Appl Physiol* 43:1080-1084,1977.
9. Schreiner RL, Burd LI, Jones MD Jr, Lemons JA, Sheldon RE, Simmons MA, Battaglia FC, Meschia G: Fetal metabolism in fasting sheep, in Longo L, Editor: Circulation of the Fetus and Newborn, Volume II, New York, Raven Press, 1977.
10. Simmons MA, Jones MD Jr, Battaglia FC Meschia G: Insulin effect on the fetus and placenta in vivo. *Pediatr Res* 12:90-92,1978.
11. Chilton HW, Chang JHT, Jones MD Jr, Brooks JG: Right-sided congenital diaphragmatic herniae presenting as pleural effusions in the newborn: dangers and pitfalls. *Arch Dis Child* 53:600-603,1978.
12. Jones MD Jr, Sheldon RE, Peeters LL, Makowski EL Meschia G: Regulation of cerebral blood flow in the ovine fetus. *Am J Physiol* 235:162-166,1978.
13. Peeters LL, Sheldon RE, Jones MD Jr, Makowski EL Meschia G: Blood flow to fetal organs as a function of arterial oxygen content. *Am J Obstet Gynecol* 135:637-646, 1979.

14. Sheldon RE, Peeters LL, Jones MD Jr, Makowski EL, Battaglia FC Meschia G: Redistribution of cardiac output and oxygen delivery in the hypoxemic fetal lamb. *Am J Obstet Gynecol* 135:1071-1078, 1979.
15. Molteni RA, Melmed MH, Sheldon RE, Jones MD Jr, Meschia G: Induction of fetal breathing by metabolic acidemia, and its effect on blood flow to the respiratory muscles. *Am J Obstet Gynecol* 136:609-620, 1980.
16. Peeters LL, Sheldon RE, Jones MD Jr, Battaglia FC: Retinal and choroidal blood flow in unstressed fetal and neonatal lambs. *Pediatr Res* 14:1047-1052, 1980.
17. Whitfield JM, Jones MD Jr: Atelectasis associated with mechanical ventilation for hyaline membrane disease. *Crit Care Med* 8: 729-732, 1980.
18. Traystman RJ, Gurtner GH, Rogers MC, Jones MD Jr, Koehler RC: A possible role of oxygenases in the regulation of cerebral blood flow. *Adv Physiol Sci Vol 9 Cardiovascular Physiology*, pp.167-177, 1980.
19. Jones MD Jr, Traystman RJ, Simmons MD, Molteni RA: Effects of changes in arterial O₂ content on cerebral blood flow in the lamb. *Am J Physiol* 240 (Heart Circ Physiol 9):H209-H215, 1981.
20. Kappy MS, Plotnick LP, Milley JR, Rosenberg AA, Molteni RA, Jones MD Jr, Simmons MA: Ontogeny of erythrocyte insulin binding in the sheep. *Endocrinology* 109:611, 1981.
21. Jones MD Jr, Rosenberg AA, Koehler RC, Traystman RJ, Simmons MA, Molteni RA: Oxygen delivery to the brain before and after birth. *Science* 216:324-325, 1982.
22. Koehler RC, Jones MD Jr, Traystman RJ: Cerebral circulatory response to carbon monoxide and hypoxic hypoxia in the lamb. *Am J Physiol* 243:H27-H32, 1982.
23. Rosenberg AA, Jones MD Jr, Traystman RJ, Simmons MA, Molteni RA: The response of cerebral blood flow to changes in PCO₂ in the fetus, newborn and adult sheep. *Am J Physiol* 242 (Heart Circ Physiol 11): H862-H866, 1982.
24. Rosenberg AA, Jones MD Jr, Koehler RC, Traystman RJ, Lister G: Precautions measuring blood flow during anemia with the microsphere technique. *Am J Physiol* 244 (Heart Circ Physiol 13):H308- H311, 1983.
25. Koehler RC, Traystman RJ, Rosenberg AA, Hudak ML, Jones MD Jr: Role of O₂-hemoglobin affinity in cerebrovascular response to carbon monoxide hypoxia. *Am J Physiol* 245 (Heart Circ Physiol 14): H1019-H1023, 1983.

26. Schonwetter BS, Libber SM, Jones MD Jr, Park KJ, Plotnick, L.: Hypertension associated with neonatal hyperthyroidism. *Am J Dis Child* 137:954-955, 1983.
27. Koehler RC, Backofen JE, Traystman RJ, Jones MD Jr, Rogers MC: Peripheral Organ Blood Flow Distribution During Raised Intracranial Pressure in Young Lambs, in Ishii S, Nagai H, Brock M, Eds: Intracranial Pressure V, Springer-Verlag, Berlin, pp. 880-884, 1983.
28. Backofen JE, Koehler RC, Traystman RJ, Jones MD Jr, Rogers MC: Importance of Cerebral O₂ Extraction Reserve During Elevated Intracranial Pressure in Young Lambs, in Ishii S, Nagai H, Brock M, Eds: Intracranial Pressure V, Springer-Verlag, Berlin, pp. 338-341, 1983.
29. Milley JR, Rosenberg AA, Jones MD Jr: Retinal and choroidal blood flows in hypoxic and hypercarbic newborn lambs. *Pediatr Res* 18:410-414, 1984.
30. Koehler RC, Traystman RJ, Zeger S, Rogers MC, Jones MD Jr: Comparison of cerebrovascular response to hypoxic and carbon monoxide hypoxia in newborn and adult sheep. *J Cereb Blood Flow and Metabol* 4:115-122, 1984.
31. Rosenberg AA, Koehler RC, Jones MD Jr: Distribution of cardiac output in fetal and neonatal lambs with acute respiratory acidosis. *Pediatr Res* 18:731-735, 1984.
32. Milley JR, Rosenberg AA, Philips AF, Molteni RA, Jones MD Jr, Simmons MA: The effect of insulin on ovine fetal oxygen extraction. *Am J Obstet Gynecol* 149:673-678, 1984.
33. Karlowicz MG, Simmons MA, Brusilow SW, Jones MD Jr: Carbonic acid dissociation constant (pK₁) in critically ill newborns. *Pediatr Res* 18:1287-1289, 1984.
34. Rosenberg AA, Narayanan V, Jones MD Jr: Comparison of anterior cerebral artery blood flow velocity and cerebral blood flow during hypoxia. *Pediatr Res* 19:67-70, 1985.
35. Koehler RC, Traystman RJ, Jones, MD Jr: Regional blood flow and oxygen transport during hypoxic and carbon monoxide hypoxia in neonatal and adult sheep. *Am J Physiol* 248 (Heart Circ Physiol 17): H118-H124, 1985.
36. Donegan JH, Traystman RJ, Koehler RC, Jones MD Jr, Rogers MC: Cerebrovascular hypoxic and autoregulatory responses during reduced brain metabolism. *Am J Physiol* 248 (Heart Circ Physiol 17):H421-H429, 1985.
37. Hudak ML, Jones MD Jr, Brusilow, S: Differentiation of transient hyperammonemia of the newborn and urea cycle enzyme defects by clinical presentation. *J Pediatr* 107:712-719, 1985.
38. Hudak ML, Koehler RC, Rosenberg AA, Traystman RJ, Jones MD Jr: The effect of hematocrit on cerebral blood flow. *Am J Physiol* 251 (Heart Circ Physiol 20):H63-H70,

1986.

39. Rosenberg, AA, Harris A, Koehler RC, Hudak ML, Jones MD Jr: Role of O₂ hemoglobin affinity on regulation of cerebral blood flow in the fetal sheep. *Am J Physiol* 251 (Heart Circ Physiol 20):H56-H62, 1986.
40. Koehler RC, Traystman RJ, Jones MD Jr: Influence of reduced oxyhemoglobin affinity on cerebrovascular response to hypoxic hypoxia. *Am J Physiol* 251 (Heart Circ Physiol 20):H756-H763, 1986.
41. Nussbaum AR, Sanders RC, Jones MD Jr: Normal uterine morphology in neonates as seen by real-time ultrasonography. *Radiology* 160:641-643, 1986.
42. Massik J, Tang Y-L, Hudak ML, Koehler RC, Traystman RJ, Jones MD Jr: The effect of hematocrit on cerebral blood flow in newborn lambs with induced polycythemia. *J Appl Physiol* 62:1090- 1096,1987.
43. Borel C, Koehler RC, Backofen JE, Jones MD Jr, Traystman RJ: Autoregulation of cerebral blood flow with intracranial hyper- tension: effect of hypoxia. 6th International Symposium on Intracranial Pressure, Springer-Verlag, Berlin, pp.389-392, 1986.
44. Borel CO, Backofen JE, Koehler RC, Jones MD Jr, Traystman RJ: Cerebral blood flow autoregulation during intracranial hypertension in hypoxic lambs. *Am J Physiol* 253 (Heart Circ Physiol 22):H1342-H1348, 1987.
45. Hudak ML, Tang Y-L, Massik J, Koehler RC, Traystman RJ, Jones MD Jr: Baseline O₂ extraction influences cerebral blood flow response to hematocrit. *Am J Physiol* 254 (Heart Circ Physiol 23): H156-H162, 1988.
46. Sharan M, Jones MD Jr, Koehler RC, Traystman RJ, Popel AS: A compartmental model for oxygen transport in brain microcirculation. *Ann Biomed Eng* 17:13-38, 1989.
47. Levin LH, Koehler RC, Brusilow SW, Jones MD Jr, Traystman RJ Elevated brain water during urease-induced hyperammonemia in dogs, in J.T. Hoff, Ed: Intracranial Pressure VII, Springer Verlag, Berlin, Heidelberg, New York, 1989.
48. Koehler RC, Harris AP, Jones MD Jr, RJ Traystman. Possible physiological role of the Cushing response during parturition, in J.T. Hoff, Ed: Intracranial Pressure VII, Springer Verlag Berlin Heidelberg, New York, 1989.
49. Gleason, CA, Jones MD Jr, Traystman RJ, Notter RH: Fetal cerebral responses to ventilation and oxygenation. *Am J Physiol* 255:R1049-R1054, 1988.
50. Massik J, Jones MD Jr, Miyabe M, Tang Y-L, Hudak ML, Koehler RC, Traystman, RJ: Hypercapnia and the response of cerebral blood flow to hypoxia. *J Appl Physiol* 66:1065-

1070, 1989.

51. Harris AP, Koehler RC, Gleason CA, Jones MD Jr, Traystman RJ: Cerebral and peripheral circulatory responses to intracranial hypertension in fetal sheep. *Circ Res* 64:991-1000, 1989.
52. Koehler RC, Backofen JE, McPherson RW, Jones MD Jr, Rogers MC, Traystman RJ: Cerebral blood flow and evoked potentials during the Cushing response in sheep. *Am J Physiol* 256:H779-H788, 1989.
53. Gleason CA, Hamm C, Jones MD Jr: Cerebral blood flow, oxygenation, and carbohydrate metabolism in midgestation fetal sheep in utero. *Am J Physiol* 256:R1264-R1268, 1989.
54. Gleason CA, Short BL, Jones MD Jr: Cerebral blood flow and metabolism during and after prolonged hypocarbia in newborn lambs. *J. Pediatr.* 115:309-314, 1989.
55. Investigators of the Johns Hopkins Study of Cervicitis and Adverse Pregnancy Outcomes: Association of Chlamydia trachomatis and Myco- plasma hominis with intrauterine growth retardation and preterm delivery. *Am J Epidemiol* 129:1247-1257, 1989.
56. Keyes WG, Donohue PK, Spivak J, Jones MD Jr, Oski F.A.: The role of hematocrit, clinical signs and erythropoietin level in assessing the need for transfusion in premature infants. *Pediatrics* 84:412-417, 1989.
57. Miyabe M., Jones MD Jr, Koehler RC, Traystman RJ: Chemodenervation does not alter the cerebrovascular response to hypoxic hypoxia in 1-7 day old lambs. *Am J Physiol* 257 Heart Circ Physiol 26:H1413-H1418, 1989.
58. Hudak ML, Jones MD Jr, Popel AS, Koehler RC, Traystman RJ Zeger S: Hemodilution causes size-dependent constriction of pial arterioles in the cat. *Am J Physiol.* 257 (Heart Circ.Physiol. 26:H912- H917, 1989.
59. Hudak BB, Terry PB, Menkes HA, Jones MD Jr, Traystman RJ: Hypocapnia does not alter collateral ventilation in sheep. *J Appl Physiol* 68:503-507, 1990.
60. Gleason CA, Hamm C, Jones MD Jr: Effect of acute hypoxemia on brain blood flow and oxygen metabolism in immature fetal sheep. *Am J Physiol.* 258 (Heart Circ. Physiol. 27): H1064-H1069, 1990.
61. Short BL, Walker LK, Gleason CA, Jones MD Jr, Traystman RJ: Effect of extracorporeal membrane oxygenation (ECMO) on cerebral blood flow and cerebral oxygen metabolism in newborn sheep. *Pediatr Res.* 28:50-53, 1990.
62. Dohi S, Jones MD Jr, Hudak ML, Traystman RJ: Effects of cocaine on pial arterioles in the cats. *Stroke* 21:1710-1714, 1990.

63. Short BL, Walker LK, Gleason CA, Jones MD Jr, Traystman RJ: Effect of extracorporeal membrane oxygenation on cerebral blood flow and cerebral oxygen metabolism in newborn sheep. *Pediatr Res* 28:50-53, 1990.
64. Helou SM, Hudak ML, Jones MD Jr: Cerebral blood flow response to hypercapnia in the immature fetal sheep. *Am J Physiol* 261 (Heart Circ Physiol 30): H1366-H1370, 1991.
65. Backofen JE, Koehler RC, Harris AP, Rogers MD, Traystman RJ, Jones MD, Jr: Efficacy of the Cushing response during development in sheep. *Am J Physiol* 261 (Heart Circ Physiol. 30): H575-H582, 1991.
66. McKnight AA, Keyes WG, Hudak ML, Jones MD Jr: Oxygen free radicals and the cerebral arteriolar response to Group B streptococci. *Pediatr Res.* 31:640-644, 1992.
67. Harris AP, Koehler RC, Nishijima MK, Traystman RJ, Jones MD Jr: Circulatory dynamics during periodic intracranial hypertension in fetal sheep. *Am J Physiol.* 263 (Regulatory Integrative Comp. Physiol. 32): R95-R102, 1992.
68. Berkowitz ID, Hayden WR, Traystman RJ, Jones MD Jr: Hemophilus influenzae Type B impairment of pial vessel autoregulation in rats. *Pediatr Res.* 33:48-51, 1993.
69. Gleason, CA, Iida H, O'Brien TP, Jones MD Jr, Cone EJ, Traystman, RJ: Fetal responses to acute maternal cocaine injection in sheep. *Am J Physiol.* 265 (Heart Circ. Physiol. 34):H9-H14, 1993.
70. Hurn PD, Traystman RJ, Shoukas AA, Jones MD Jr: Pial microvascular hemodynamics in anemia. *Am J Physiol.* *Am J Physiol* 264 (Heart Circ Physiol. 33):H2131-H2135, 1993.
71. Kearney MT, Backofen JE, Koehler RC, Jones MD Jr, Traystman RJ: Effect of hypoxemia on the cardiovascular response to intracranial hypertension in postnatal lambs. *Am J Physiol* (Heart Circ Physiol. 34):H1557-H1563, 1993.
72. Helou S, Koehler RC, Gleason CA, Jones MD Jr, Traystman RJ: Cerebrovascular autoregulation during fetal development in sheep. *Am J Physiol* (Heart Circ Physiol. 35):H1069-H1074, 1994.
73. O'Brien TP, Gleason CA, Jones MD Jr, Cone EJ, London ED, Traystman RJ: Cerebral responses to single and multiple cocaine injections in newborn sheep. *Pediatr Res* 35:339-343, 1994.
74. Curran-Everett D, Zhang Y, Jones RH, Jones MD Jr: Hypoxia, hypercapnia, and hypertension: Their effects on pulsatile cerebral blood flow. *J Appl Physiol* 79(3):870-878, 1995.

75. Turbow RM, Curran-Everett D, Hay WW Jr, Jones MD Jr: Cerebral lactate metabolism in near-term fetal sheep. *Am J Physiol* 269 (Regulatory Integrative Comp. Physiol. 38:R938-R942, 1995.
76. Curran-Everett D, Zhang Y, Jones MD Jr, Jones RH: An improved statistical methodology to estimate and analyze impedances and transfer functions. *J Appl Physiol* 83:2146-2157, 1997.
77. Sharan M, Popel A, Hudak M, Koehler RC, Traystman RJ, Jones MD Jr: An analysis of hypoxia in sheep brain using a mathematical model. *Ann Biomed. Eng* 26:48-59, 1998.
78. Harris AP, Helou S, Traystman RJ, Jones MD Jr, Koehler RC: Efficacy of the Cushing response in maintaining cerebral blood flow in premature and near-term fetal sheep. *Pediatr Res*: 43:50-56, 1998.
79. Jones MD Jr, Boat T, Adler R, Gephart HR, Osborn LM, Chesney RW, Mulvey HJ, Simon JL, Alden ER: Final report of the FOPE II financing of pediatric education workgroup *Pediatrics* 106:1256, 2000.
80. Varnell H, Friedman N, Shea C, Jones MD Jr: An Unusual Cause of Neonatal Respiratory Distress: *J Perinatol*: 23:688-690, 2003.
81. Jones MD Jr, Stanton BF: Women in pediatric subspecialties *J Pediatr* 2004;144:143-144.
82. Felice MA, Dunston FJ, Jones MD Jr, Chesney R, Stapleton FB, Fiser DH: Pediatric workforce projections and unintended consequences. *J Pediatr* 2004;145:1-2.
83. Berman S, Rannie M, Moore L, Elias E, Dryer L, Jones MD Jr: Utilization and costs for children with special health care needs enrolled in a hospital-based comprehensive primary care clinic. *Pediatrics* 2005;115:e637-e642
84. Stapleton FB, Jones, M D Jr, Fiser DH: Leadership trends in academic pediatric departments. *Pediatrics* 2005; 116:342-344
85. Jones MD JR, McGuinness GA, First LR, Leslie LK, Residency Review and Redesign in Pediatrics Committee. Linking process to outcome: are we training pediatricians to meet evolving health care needs? *Pediatrics* 2009; 123: S1-S7
86. Jones MD Jr, McGuinness GA, Carraccio CL. The Residency Review and Redesign in Pediatrics (R³P) Project: roots and branches. *Pediatrics* 2009;123:S8-S11
87. McGuinness, GA, Jones, MD Jr. Looking to the future. *Pediatrics* 2009;123:S59-S60
88. Freed GL, Dunham KM, Switalski KE, Jones MD Jr, McGuinness GA, Research Advisory

Committee of the American Board of Pediatrics Recently Trained Pediatric Subspecialists: Perspectives on Training and Scope of Practice. *Pediatrics* 2009; 123:S44-S49

89. Freed GL, Dunham KM, Switalski KE, Jones MD Jr, McGuinness GA, Research Advisory Committee of the American Board of Pediatrics Recently Trained General Pediatricians: Perspectives on Residency Training and Scope of Practice *Pediatrics* 2009;123:S38-S43
90. Freed GL, Dunham KM, Switalski KE, Jones MD Jr, McGuinness GA, Research Advisory Committee of the American Board of Pediatrics. Pediatric Fellows: Perspectives on Training and Future Scope of Practice. *Pediatrics* 2009;123:S31-S37
91. Freed GL, Dunham KM, Switalski KE, Jones MD Jr, McGuinness GA, Research Advisory Committee of the American Board of Pediatrics. General Pediatrics Resident Perspectives on Training Decisions and Career Choice. *Pediatrics* 2009;123:S26-S30
92. Jones MD Jr, McGuinness GA on behalf of the Residency Review and Redesign in Pediatrics (R³P) Committee. The future of pediatric residency education: prescription for more flexibility. *J Pediatr* 2009;154(2):157-158e3
93. McManus M, Fox H, Limb S, Agango P, Armstrong P, Azizkhan R, Behrman R, et al. New workforce, practice, and payment reforms essential for improving access to pediatric subspecialty care within the medical home. *Arch Pediatr Adol Med* 2009;163:200-202
94. Jones MD Jr. Innovation in residency education and evolving pediatric health needs. *Pediatrics* 2010 Jan;125(1):1-3
95. Freed GL, Dunham KM, Clark SJ, Davis MM; Research Advisory Committee of the American Board of Pediatrics. Perspectives and preferences among the general public regarding physician selection and board certification. *J Pediatr* 2010 May;156(5):841-5
96. Freed GL, Dunham KM, Gebremariam A, Wheeler JR; Research Advisory Committee of the American Board of Pediatrics. Which pediatricians are providing care to America's children? An update on the trends and changes during the past 26 years. *J Pediatr* 2010 Jul;157(1):148-152
97. Freed GL, Dunham KM, Loveland-Cherry CJ, Martyn KK; Research Advisory Committee of the American Board of Pediatrics. Pediatric nurse practitioners in the United States: current distribution and recent trends in training. *J Pediatr* 2010 Oct;157(4):589-93
98. Freed GL, Dunham KM, Jones MD Jr, McGuinness GA, Althouse LA. Longitudinal assessment of the timing of the career choice among pediatric residents. *Arch Pediatr Adol Med* 2010; 164(10):961-964

99. Jones MD Jr, Rosenberg AA, Gilhooly JT, Carraccio CL. Perspective: Competencies, Outcomes, and Controversy-Linking Professional Activities to Competencies to Improve Resident Education and Practice. *Acad Med* 2010 Dec 16.[Epub ahead of print]
100. Rosenberg AA, Jones MD Jr. A structured career-immersion experience in the third year of residency training. *Pediatrics* 2011 Jan; 127(1):1-3.
101. Rosenberg AA, Kamin C, Glicken A, Jones MD Jr. Training needs of pediatric residents planning a career in primary care. *J Grad Med Educ* (accepted pending revision)
102. Wood AM, Jones MD Jr, Wood JH, Pan Z, Parker TA. Neonatal resuscitation among pediatricians and family physicians in different practice locations: is residency training preparing for the real world? *J Grad Med Educ* (submitted)

REVIEWS, CHAPTERS AND OTHER PUBLICATIONS

1. Jones MD Jr, Battaglia FC: Intrauterine growth retardation. *Am J Obstet Gynecol* 127:540-549, 1977.
2. Jones MD Jr, Murton L: Results and complications of mechanical ventilation in newborn infants with hyaline membrane disease. *Pediatr Ann* 6:251-253, 1977.
3. Jones MD Jr: Energy metabolism in the developing brain. *Semin Perinatol* 3:121-129, 1979.
4. Molteni RA, Jones MD Jr: Neonatal management. *Clin Obstet Gynecol* 32:165-179, 1980.
5. Jones MD Jr: Intrauterine growth retardation, in Gellis SS, Kagan BM, Eds: Current Pediatric Therapy, Ninth Edition, Philadelphia, W.B. Saunders Company, 1980.
6. Rosenberg AA, Jones MD Jr: Perinatal causes of failure to thrive, in Accardo PJ, Ed: Failure to Thrive, Baltimore, University Park Press, 1982, pp. 105-118.
7. Traystman RJ, Jones MD Jr: Hypoxia and cerebral circulation. Undersea Medical Society. 62(WS-O₂) 11-1-83.
8. Traystman RJ, Gurtner GH, Rogers MC, Jones MD Jr, McPherson RW, Koehler RC: Cerebral blood flow changes during hypoxemia: A short review. Proceedings of the International Symposium on Hydrocephalus. Tokyo, 1983.
9. Koehler RC, Backofen JE, Jones MD Jr, Rogers MC, Traystman, R.J.: Importance of cerebral O₂ extraction reserve during hypoxemia: A short review. Proceedings of the International Symposium on Hydrocephalus. Tokyo, 1983.

10. Jones MD Jr, Traystman RJ: Cerebral oxygenation of the newborn, fetus and adult. *Semin Perinatol* 8:205-216, 1984.
11. Jones MD Jr: Cerebral blood flow, *in* Prakash, O., Editor: Pediatric and Neonatal Intensive Care, Nijhoff Publisher BV, Amsterdam, 1984, p. 39-49.
12. Jones, MD Jr, Hudak ML, Traystman RJ: Cerebral blood flow and haematocrit. (Letter) *Lancet* 1:1511, 1985.
13. Allen MC, Jones MD Jr: Complications of premature birth. *Obstet Gynecol* 67:427-437, 1986.
14. Traystman RJ, Gurtner GH, Nichols DG, Jones MD Jr, Koehler RC, McPherson RW, Rogers MC: Central chemoreceptor regulation of cerebral blood flow, *in* Owman, Ch. and Hardebo, J.E., Ed: Neural Regulation of Brain Circulation, Elsevier Science Publishers B.V., 1986, pp. 169-178.
15. Jones MD Jr: Cerebral blood flow in the perinatal period. Mead Johnson Symposium on Perinatal and Developmental Medicine, No. 23, Marco Island, Florida, 1985.
16. Jones MD Jr: Tolerable limits of hypoxia for neonates - the brain. *in* Sutton J, Houston CS, Coates G, Eds: Hypoxia '87, Benchmark Press, Indianapolis, 1988, pp. 281-292.
17. Jones MD Jr, Koehler RC, Traystman RJ: Regulation of cerebral blood flow in the fetus, newborn and adult. *in* Guthrie, R.D., Ed: Neonatal Intensive Care, Churchill Livingstone, New York, 1988, pp. 123-152.
18. Hudak BB, Jones MD Jr: Meconium Aspiration, *in* Nelson, NM, Ed: Neonatal-Perinatal Medicine: 1987-1988, B.C. Decker, Philadelphia.
19. Hudak BB, Jones MD Jr: Fetal disorders, *in* Adams RJ, Swindle MM, Eds: Experimental Surgery and Physiology: Induced Animal Models of Human Disease. Williams and Wilkins, Baltimore, 1988, pp. 300-308.
20. Fivush B, Jones MD Jr, McLean RH: Renal failure in the newborn. *Arquivos Med* 2: 17-21, 1988.
21. Jones MD Jr, Hudak ML: Regulation of the fetal cerebral circulation, *in* Polin RA, Fox WW, Eds: Fetal and Neonatal Physiology. W.B. Saunders, Philadelphia. 1991
22. Consensus Development Panel, National Institutes of Health, Conference on Intravenous Immunoglobulin. May 21-23, 1990. *JAMA* 264 (24):3189-3193, 1990.
23. Jones MD Jr: Respiratory Therapy in the Newborn, *in* Carlson RW, Reines HD, Eds: Critical

Care: State of the Art. Vol. 13 11:235-247. 1992.

24. Jones MD Jr: Comments to Vannucci R: Resuscitation of the newborn infant: Care of the high risk neonate, in Klaus MH, Fanaroff, AA, Eds: Care of the High Risk Neonate, W.B. Saunders, Philadelphia. 1993.
25. Jones MD Jr: Tissue oxygen transport: Lessons from muscle and brain. *Semin Hematol.* 31:102-111, W.B. Saunders, 1994.
26. Jones MD Jr, Harris AP, Traystman RJ, Koehler RC: Fetal cardiovascular response to increased intracranial pressure, in Cosmi EV, DiRenzo GC, Eds: Current Progress in Perinatal Medicine. Parthenon Publishing, New York, 1994.
27. Wagerle LC, Jones MD Jr: Regulation of the fetal cerebral circulation, in Polin RA, Fox WW, Eds: Fetal and Neonatal Physiology. 2nd edition, W.B. Saunders, Philadelphia. 1996.
28. Jones MD Jr: Misdiagnosis of a "complicated" resuscitation: Understanding persistent bradycardia and cyanosis? Neonatal Resuscitation Program Instructor Update, October, 1996.
29. Halbower AC, Jones MD Jr: Physiologic reflexes and their impact on resuscitation of the newborn. *Clin Perinatol* 26:621-628, 1999.
30. Jones MD Jr: Personal reflections on Joe Butterfield. *J Perinatol.* 19(3):187-8, 1999.
31. Future of Pediatric Education II (FOPE II) Project Members. The future of pediatric education II: organizing pediatric education to meet the needs of infants, children, adolescents, and young adults in the 21st century. *Pediatrics* 105:163-212, 2000.
32. Jones MD Jr, Lum GM: Fluid and Electrolyte Therapy, in Burg FD, Ingelfinger JI, Wald ER, Polin RA Eds: Current Pediatric Therapy 16. W.B. Saunders, Philadelphia, In press.
33. Jones MD Jr, Boat T, Clark E, Colletti R, Gilchrist G, Minago-Miya K, Stockman J III, Winter H: Federation of Pediatric Organizations Subspecialty Forum. *J Pediatr.* 2001 Oct;139:487-93.
34. Jones MD Jr, The mandated subspecialty research requirement: paradise out of reach. *Pediatric Diplomates* 2002 (Fall):2-3
35. Jones MD Jr: Birth-related injury, including asphyxia in Rudolph CD, Rudolph AM Eds Rudolph's Pediatrics, 21st Edition., 2003, p. 185-189.
36. Jones MD Jr: Intraventricular hemorrhage in Rudolph CM, Rudolph AM Eds Rudolph's Pediatrics, 21st Edition. 2003, p. 144.

37. Jones MD Jr: More than a matter of time. *Pediatrics* 2004;113:1396-98.
38. Jones MD Jr: Introduction to the 2004 Howland Award Recipient, Frederick C. Battaglia. *Pediatr Res* 2005;58:619-620
39. Jones MD Jr: Residency Review and Redesign in Pediatrics (R³P) Project. Program Directors. A Newsletter from the American Board of Pediatrics. Spring/Summer 2008.
40. McManus M, Fox H, Limb S, Agango P, Armstrong P, Azizkhan R, Behrman R, et al. Recommendations for improving access to pediatric subspecialty care through the medical home. US Dept of Health and Human Services, December, 2008.
41. McManus M, Fox H, Limb S, Agango P, Armstrong P, Azizkhan R, Behrman R, et al. Medical education and training programs for enhancing medical home capacity and subspecialty access. US Dept of Health and Human Services, December, 2008.
42. Jones MD Jr., McGuinness GA, Leslie LK. Eds. Residency Review and Redesign in Pediatrics: New (and Old) Questions. *Pediatrics* 2009;123:January Supplement.
43. Jones MD Jr. Why don't we talk? Editorial. *Arch Pediatr Adol Med* 2009;163:865-866
44. Jones MD Jr, Friedman AL. Personalized fluid and electrolyte management. *J Pediatr* 2010 Oct;157(4):694

BOOKS

1. Jones MD Jr, Gleason CA, Lipstein SU: *Hospital Care of the Recovering NICU Infant*. Williams and Wilkens, Baltimore, 1991
2. McMillan JA, DeAngelis CD, Feigen RD, Jones MD Jr. *Oski's Pediatrics* 4th edition. Lippincott Williams and Wilkins, Philadelphia, 2006
3. McMillan JA, Jones MD Jr, Boney C, Barrett D. *Clinical Decision Support: Pediatrics*, (on line resource; in process).

ABSTRACTS (recent)

1. Wood AM, Jones MD Jr, Pan Z, Parker TA. Impact of practice location on provider utilization of neonatal resuscitation skills. National Conference and Exhibition, American Academy of Pediatrics, October, 2009.
2. Wood AM, Jones MD Jr, Pan Z, Parker TA. Neonatal resuscitation training and post-residency experiences among pediatricians and family physicians. National Conference and Exhibition, American Academy of Pediatrics, October, 2009.

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