

CURRICULUM VITAE**David G. Nichols, M.D., MBA, FAAP, FCCM***Mary Wallace Stanton Professor of Education**Vice Dean for Education**Professor of Anesthesiology and Critical Care Medicine and Pediatrics**Johns Hopkins University School of Medicine***I. PERSONAL DATA**

Date of Birth: October 1, 1951
 Place of Birth: Hampton, Virginia
 Citizenship: USA
 Marital Status: Married (Mayme Boyd)
 Son (Jason)

II. EDUCATION

<u>Date</u>		<u>Degree</u>
1969-73	Undergraduate School Yale University New Haven, Connecticut	B.A.
1973-77	Medical School Mount Sinai School of Medicine New York, New York	M.D.
1995-00	Business School Johns Hopkins University School of Professional Studies in Business and Education	MBA

III. HOSPITAL TRAINING

<u>Date</u>	<u>Location</u>	<u>Type</u>
1977-80	The Children's Hospital of Philadelphia Philadelphia, Pennsylvania	Residency Pediatrics
1980-81	The Children's Hospital of Philadelphia Philadelphia, Pennsylvania	Chief Resident
1981-83	Hospital of the University of Pennsylvania Philadelphia, Pennsylvania	Residency Anesthesiology
1983	The Children's Hospital of Philadelphia Philadelphia, Pennsylvania	Fellowship Pediatric Anesthesia and Critical Care

IV. PRESENT PROFESSIONAL APPOINTMENTS

- 1998- Professor, Anesthesiology/Critical Care Medicine and Pediatrics, The Johns Hopkins School of Medicine
- 2000- Vice Dean for Education, The Johns Hopkins School of Medicine
- 2005- The Mary Wallace Stanton Professor of Education, The Johns Hopkins School of Medicine

V. PAST PROFESSIONAL APPOINTMENTS

- 1980-81 Instructor, Department of Pediatrics, University of Pennsylvania School of Medicine
- 1984-91 Assistant Professor, Department Anesthesiology Critical Care Medicine, Johns Hopkins School of Medicine
- 1984-87 Associate Director, Residency Education Program, Department of Anesthesiology/Critical Care Medicine, The Johns Hopkins University School of Medicine
- 1987-88 Associate Director, Pediatric ICU, Department of Anesthesiology/Critical Care Medicine, Johns Hopkins Hospital
- 1988-97 Director, Pediatric Intensive Care, Department of Anesthesiology/Critical Care Medicine, Johns Hopkins Hospital
- 1991-98 Associate Professor of Anesthesiology/Critical Care Medicine, Johns Hopkins School of Medicine
- 1997-01 Director, Division of Pediatric Anesthesia and Critical Care Medicine, Department of Anesthesiology/Critical Care Medicine, The Johns Hopkins Hospital

VI. LICENSURE

Maryland
 Pennsylvania (inactive)

VII. ACTIVITIES AND HONORS**Professional Awards and Honors**

- 1976 Alpha Omega Alpha Honor Medical Society
- 1977 Medical Attendings Award in Clinical Medicine - Mount Sinai School of Medicine
- 1981 Benjamin Ritter Award for Teaching and Patient Care - Department of Pediatrics, Children's Hospital of Philadelphia
- 1982 Medical Student Teaching Award - Department of Anesthesiology, University of Pennsylvania
- 1986 Outstanding Teacher Award - Department of Anesthesiology, Johns Hopkins University School of Medicine
- 1991 Fellow of the American Academy of Pediatrics
- 1992 Fellow of the American College of Critical Care Medicine
- 1998 Teacher of the Year Award - Department of Emergency Medicine, Johns Hopkins University School of Medicine
- 2006 Distinguished Career Award – American Academy of Pediatrics, Section on Critical Care
- 2008 Legacy Award – Student National Medical Association

Professional Societies

American Society of Anesthesiology
 International Anesthesia Research Society
 Society for Pediatric Anesthesia
 American Thoracic Society
 Society for Critical Care Medicine
 The Society for Pediatric Research
 Association of University Anesthesiologists
 American Board of Pediatrics

National and International Committees

1991-92 1st World Congress of Pediatric Intensive Care, Organizing Committee
 1992-93 American Society of Anesthesiology - Subcommittee on Pediatric Anesthesiology
 1993 American Society of Anesthesiologists - Scientific Papers Subcommittee
 1993 Society of Critical Care Medicine - Pediatric Section Award Committee
 1988-00 American Board of Pediatrics - Question Writer for Pediatric Critical Care
 Certifying Examination
 1995-01 American Board of Pediatrics – Member, Pediatric Critical Care Medicine Sub-
 board
 1995-96 2nd World Congress of Pediatric Intensive Care, Scientific Committee
 1995-98 Society for Pediatric Anesthesia, Board Member
 1995-98 Society for Pediatric Anesthesia, Chair, Research Committee
 1997-03 World Federation of Pediatric Intensive Care, Executive Committee Member
 1997-99 American Board of Pediatrics – Chair, Pediatric Critical Care Medicine Sub-board
 Credentials Committee
 1999-00 American Board of Pediatrics - Chair, Pediatric Critical Care Medicine Sub-board
 1999-00 Pediatric Critical Care Medicine, Editor-in-Chief Search Committee
 2001-present American Board of Pediatrics – Chair, Committee on Maintenance of Certification
 for Specialists
 2007-present National Advisory Council of the Stanford School of Medicine
 2008-present American Board of Pediatrics – Board of Directors

Federal Advisory Panels

2005-present FDA, Center for Drug Evaluation and Research, Anesthetics Advisory Committee
 2005-06 NIH, Study section for the Director's Pioneer Awards
 2006 NIH, Roadmap Consultant
 2007 NIH, Study section for the Director's New Innovator Awards

Editorial Boards

1984-90 Pediatric Emergency Care
 1992-93 Critical Care Medicine
 2001-present Pediatric Critical Care Medicine (Associate Editor)

Journal Reviewer

Anesthesia and Analgesia
Anesthesiology
Critical Care Medicine
Intensive Care Medicine
Journal of Pediatrics
Pediatrics
Pediatric Critical Care Medicine

Grants

1985-87 Andrew Mellon Foundation Grant Recipient
1990-91 Paramedic Airway Training Course, Maryland Department of Transportation
1996-97 Alliance Pharmaceutical Corporation
LVAD-006-INT - A Multicenter, Randomized, Controlled Study of the Safety and Efficacy of Partial Liquid Ventilation with AF0141 (Sterile Perflubron) in Children with Acute Parenchymal Lung Injury

Course Directorships

1988-03 Director, Advanced Pediatric Life Support Course - Johns Hopkins University
1989-92 Chair, Pediatric Critical Care Symposium - Johns Hopkins University Pediatric Trends Course

Maryland State Appointments

1991 Director, Pediatric Care, Maryland International Health Task Force

Johns Hopkins Hospital Committees

1990 Children's Center Medical Board
1987-97 Children's Center Quality Assurance Committee
1987-88 Critical Care Planning Committee
1991 Transplant/Organ Donation Advisory Committee
1995-96 Medicaid High Cost Users Program
1995-01 Children's Center Operations Committee

Johns Hopkins Department of Anesthesiology and Critical Care Medicine Committees

1987-present Pediatric Anesthesia/Intensive Care Admissions Committee
1986-91 Anesthesia Clinical Competency Committee
1996 Chair, Faculty Compensation Committee
1998-present Faculty Promotions Committee

Johns Hopkins Department of Pediatrics Committees

1984-88 Chair, Intermediate Care Unit Committee

Johns Hopkins School of Medicine Committees

1994-97	School of Medicine Admissions Committee
1995-96	Ad hoc Committee on Academic Discipline
1998-03	Advisory Committee on Conflict of Interest
1999-02	Clinical Practice Association Board of Governors
2000-present	Chair, Educational Policy and Curriculum Committee
2000-present	Executive Office of Johns Hopkins Medicine
2000-present	Dean's Operating Group
2000-present	First Year Student Promotions Committee
2000-present	Second Year Student Promotions Committee
2000-present	Third and Fourth Year Student Promotions Committee
2000-present	Agenda Committee of the Advisory Board of the Medical Faculty
2000-present	Continuing Medical Education Advisory Board
2000-present	Continuing Medical Education Funded Programs Advisory Board
2000-01	Search Committee for the Chair of the Dept. of the History of Medicine
2001-02	MA/Ph.D. Degree Program Committee
2002-05	Chair, Robert Wood Johnson JHSOM Clinical Scholars Advisory Board
2002-03	Search Committee for the Chair of the Dept. of Otolaryngology/Head and Neck Surgery
2004-present	Johns Hopkins School of Medicine Curriculum Reform Committee
2004-present	Johns Hopkins Medical News Advisory Committee
2005-present	Johns Hopkins School of Medicine Medical Education Building Steering Committee
2005-07	Howard/Hopkins Partnership Internal Advisory Committee
2005-present	Johns Hopkins Medicine Diversity Steering Committee
2006-present	Chair, Financial Aid Advisory Board
2008-present	Johns Hopkins School of Medicine Graduate Education Reform Committee

Johns Hopkins University Committees

2001-02	Search Committee for the Dean of the School of Nursing
2005	Search Committee for the Dean of the Krieger School of Arts and Sciences
2005-07	Executive Committee of the Urban Health Institute
2007	Chair, Search Committee for the Dean of the Carey Business School

Community Activities

1984-90	Hopkins-Dunbar High School Scholars Program, Instructor
1986-present	Usher Board, Martin Luther King Jr. Community Church
1989-95	Wilde Lake Middle School - Martin Luther King Community Church Mentors Program, Coordinator
1993-97	National Head Injury Foundation - Advisory Committee for the HeadSmart Schools Program
2000-present	Board of Directors, Hopkins-Dunbar High School Scholars Program
2003-07	Board of Trustees, Horizon Foundation of Howard County, MD

Community Honors

1986-present	Best Doctors in America
1992	FOX 45 - Champions of Courage Award
1998	Towson University, Distinguished Black Marylanders-
2002, 2007	Baltimore Magazine, Best Doctors in Baltimore
2002, 2008	Black Enterprise Magazine, Best Doctors

VIII. VICE DEAN FOR EDUCATION (SINCE 1/1/00):

Oversight Responsibilities (~\$50 million annual budget):

1. Medical School Admissions
2. Medical School Student Affairs and Curriculum
3. Graduate Student (MA/Ph.D.) Education
4. Postdoctoral Fellow Education
5. Residency Training Programs
6. Continuing Medical Education
7. Medical Library

Major Initiatives

1. Established the Office of Academic Computing – to enhance the learning environment through the use of innovative technologies.
2. Established the Professional Development Office - to help students, trainees and faculty with develop grant writing, public speaking and other "survival" skills for the academic physician and scientist.
3. Reorganized the Gross Anatomy Course and the Division of Functional Anatomy and Evolution – to report directly to the Dean's Office. The course is one of the most highly rated in the School.
4. Established Student Assistance Program (SAP) – to provide student mental health services that target prevention as a supplement to existing services focused on treatment.
5. Established Simulation Center – to add simulation as a multidisciplinary educational tool for students, residents, faculty, nurses and allied health professionals. (New facility to be completed in early 2007.)
6. Reorganized and expanded the Office of Graduate Medical Education and the Graduate Medical Education Committee – to meet the challenges of ACGME standards for competencies, program evaluation and duty hours compliance. Successful institutional accreditation by ACGME in 2004.
7. Established a "Colleges" system – to provide a home for medical student advising and clinical skills instruction. Twenty-four faculty advisors mentor students in each of 4 colleges.
8. Led the medical school curriculum reform – to align the content and methodologies for medical education with anticipated changes in the practice of medicine. This was based on a 6 month strategic planning exercise followed by the work of large curriculum reform committee. (Transition to the new curriculum is scheduled for 2008.)
9. Created the infrastructure to measure educational outcomes – through the creation of internal review committees for residency programs, a Student Assessment and Program Evaluation (SAPE) committee for student courses, and a longitudinal database for long-term follow-up of graduates.

10. Reorganized the Office of Continuing Medical Education – to meet best practices in CME and provide better support to faculty course directors. The Accreditation Council for Continuing Medical Education (ACCME) reaccredited JHSOM in 2005 “with commendation”.
11. Led (together with the Vice Dean for Faculty) an ongoing effort to improve diversity at Johns Hopkins Medicine. This is an effort to change the culture throughout the entire organization such that diversity and inclusion become more central to the Hopkins identity.
12. Led the design of a new \$50 million Medical Education Building – with a particular emphasis on linking the design of physical space with curriculum reform. I have worked closely with trustees, donors, and alumni to raise funds and generate support for the building.
13. Initiated review of graduate education through the creation of the Graduate Education Reform Committee - a multidisciplinary committee charged with reviewing the curriculum as well as admissions requirements, funding, pedagogy and physical space for graduate education.

IX. SPECIALTY CERTIFICATION

- 1982 American Board of Pediatrics
- 1984 American Board of Anesthesiology
- 1987 American Board of Pediatrics, Subspecialty Committee, Pediatric Critical Care Medicine
- 1995 Recertified through 2002
- 2001 Recertified through 2009

X. BIBLIOGRAPHY

Journal Articles

1. Kelly RI, Borns, PF, **Nichols DG**, Zackai EH: Osteoglophonic dwarfism in two generations. J Med Genet 10:436-440, 1983.
2. Azizkhan RG, Dudgeon DL, Buck JR, Colombani PM, Yaster M, **Nichols DG**, et al: Life-threatening airway obstruction as a complication to the management of mediastinal masses in children. J Pediatr Surg 20(6):816-822, 1985.
3. **Nichols DG**, Kettrick RG, Swedlow DB, Lee S, Passman R, Ludwig S: Factors influencing outcome of cardiopulmonary resuscitation in children. Pediatr Emerg Care 2:1-5, 1986.
4. **Nichols DG**, Scharf SM, Traystman RJ, Robotham JL: Correlation of Left Phrenic Arterial Flow with Regional Diaphragmatic Blood Flow. J Appl Physiol 64:2230-2235, 1988.
5. **Nichols DG**: Respiratory Control and Postoperative Apnea: Recent Physiologic Findings and Clinical Implications. Anesthesiology Reports 1:36-43, 1988.
6. Wetzel RC, **Nichols DG**, Bender KS, Schleien CS, Helfaer M, Yaster M, Maxwell LG, Spear RM. A Premature Neonate with Necrotizing Enterocolitis. Clinical Conference, Anesthesiology Report. 1:90-108, 1988.

7. **Nichols DG**, Howell S, Massik J, Koehler RC, Gleason CA, Buck JR, Fitzgerald RS, Traystman RJ, Robotham JL: Relationship of Diaphragmatic Contractility to Diaphragmatic Blood Flow in Newborn Lambs. *J Appl Physiol* 66:120-127, 1989.
8. Spear RM, Sauder RA, **Nichols DG**: Endotracheal tube rupture, accidental extubation, and tracheal avulsion: Three airway catastrophes associated with significant decrease in leak pressure. *Crit Care Med* 17:701-703, 1989.
9. Tobias JD, Haun SE, Helfaer M, **Nichols DG**: Use of continuous caudal block to relieve lower-extremity ischemia caused by vasculitis in a child with meningococemia. *J Pediatr* 115:1019-1021, 1989.
10. Cameron DE, Reitz BA, Carson BS, Long DM, Dufresne CR, Vander Kolk CA, Maxwell LG, Tilghman DM, **Nichols DG**, Wetzel RC, Rogers MC: Separation of Craniopagus Siamese Twins Using Cardiopulmonary Bypass and Hypothermic Circulatory Arrest. *J Thorac Cardiovasc Surg* 98:961-967, 1989.
11. Yaster M, Scherer LR, Stone MM, Maxwell LG, Schleien CL, Wetzel RC, Buck JR, Nichols DG, Colombani PM, Dudgeon DL, Haller JA: Prediction of Successful Primary Closure of Congenital Abdominal Wall Defects Using Intraoperative Measurements. *J Pediatr Surg* 24, 12:1217-1220, 1989.
12. Tobias JD, **Nichols DG**: Intraosseous succinylcholine for Orotracheal Intubation. *Pediatr Emerg Care* 6:108-109, 1990.
13. Yaster M, **Nichols DG**, Deshpande JK, Wetzel RC: Midazolam-fentanyl intravenous sedation in children. Case report of respiratory arrest. *Pediatrics* 86:463-467, 1990.
14. Spear RM, Yaster M, Maxwell LG, Berkowitz ID, Bender KS, Naclerio R, Manolio TA, **Nichols DG**: Preinduction sedation with rectally administered midazolam in children. *Anesthesiology* 74:670-674, 1991.
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16. **Nichols DG**: Respiratory muscle performance in infants and children. *J Pediatr* 118:493-502, 1991.
17. Tobias JD, Wetzel RC, **Nichols DG**. Cardiorespiratory Responses to Epidural Analgesia in the Awake Child: A Retrospective Review of Postoperative Patients. *J Post Anesth Nurs*. 8:257-61, 1993.
18. **Nichols DG**, Buck JR, Eleff SM, Shungu DC, Robotham JL, Koehler RC, Traystman RJ: Diaphragmatic fatigue assessed by ³¹P-magnetic resonance spectroscopy in vivo. *Am J Physiol* 264 (Cell Physiol.33):C1111-C1118, 1993.
19. **Nichols DG**, Yaster M, Lynn AM, Helfaer MA, Deshpande JK, Manson PN, Carson BS, Bezman M, Maxwell LG, Tobias JD, Grochow LB: Disposition and respiratory effects of intrathecal morphine in children. *Anesthesiology*, 79:733-738, 1993.

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25. **Nichols DG**, Greeley WJ, Murray JP. Postoperative cardiac care for the child with congenital heart disease. Am. J. Anesthesiol. 23:198-205, 1996
26. **Nichols DG**. Emergency management of status asthmaticus in children. Pediatr. Annals 25(7): 394-400, 1996
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28. Kocis KG, Radell PJ, Sternberger WI, Benson JF, **Nichols DG**. Ultrasound evaluation of piglet diaphragm function before and after fatigue. J. Appl. Physiol. 83:1654-1659, 1997
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40. **Nichols DG**. Conversation within the specialty: How, who, and what shall we study (editorial)? *Pediatr Crit Care Med* 7:386-7, 2006
41. **Nichols DG**, Yaster M. Victims of Our Own Success or Quo Vadis Pediatric Anesthesia? (editorial) *Anesth Analg* 104:255-7, 2007
42. Easley RB, **Nichols DG**. Withdrawal assessment in the PICU: quantifying a morbidity of pain and sedation management in the critically ill child. (editorial) *Crit Care Med* 36: 2479-80, 2008

Books

1. **Nichols DG** (Contributing Editor), *The Year Book of Critical Care Medicine*, Edited by Rogers MC and Parrillo JE, Year Book Medical Publishers, 1990.
2. **Nichols DG**, Yaster MY, Lappe DG, Buck JR. *The Golden Hour - Advanced Pediatric Life Support*, Chicago: Mosby Yearbook Medical Publishers, 1991.
3. **Nichols DG**, Yaster M, Lappe DG, Haller JA. *The Golden Hour - The Handbook of Advanced Pediatric Life Support (2nd edition)*, Mosby-Year Book Inc., 1995.
4. **Nichols DG** (Contributing Editor), *The Year Book of Critical Care Medicine*, Edited by Rogers MC and Parrillo JE, Year Book Medical Publishers, 1991.
5. **Nichols DG** (Section Editor: Respiratory Intensive Care). In: *Textbook of Pediatric Intensive Care Medicine*, 2nd Edition. Edited by Rogers MC, Williams & Wilkins Publishers, 1992.
6. **Nichols DG** Cameron DE, Greeley W, Lappe D, Ungerleider R, Wetzel RC. *Critical Heart Disease in Infants and Children*, Mosby, 1995.
7. Rogers MC, **Nichols DG**. *Textbook of Pediatric Intensive Care*, 3rd Edition. Williams & Wilkins, 1996

8. **Nichols DG**, Ungerleider R, Spevak P, Greeley W, Cameron DE , Lappe D, Wetzel RC. Critical Heart Disease in Infants and Children, 2nd Edition, Elsevier, 2006.
9. **Nichols DG**. Roger's Textbook of Pediatric Intensive Care, 4th Edition. Lippincott, Williams & Wilkins, 2008.

Chapters

1. Traystman RJ, Gurtner GH, **Nichols DG**, Jones MD, Koehler RC, McPherson RW, Rogers MC: Central chemoreceptor regulation of cerebral blood flow, In: Neural Regulation of Brain Circulation. Edited by Owman Ch., Hardebo JE, Elsevier Science Publishers, 1986, pp. 169-178.
2. **Nichols DG**, Rogers MC: Developmental Physiology of the Respiratory System, In: Textbook of Pediatric Intensive Care. Edited by Rogers MC, Williams & Wilkins Publishers, 1987, pp. 83-112.
3. Chantarojanasiri T, **Nichols DG**, Rogers MC: Lower Airway Disease: Bronchiolitis and Asthma, In: Textbook of Pediatric Intensive Care. Edited by Rogers MC, Williams & Wilkins Publishers, 1987, pp. 199-236.
4. **Nichols DG**, Rogers MC: Adult Respiratory Distress Syndrome, In: Textbook of Pediatric Intensive Care. Edited by Rogers MC, Williams & Wilkins Publishers, 1987, pp. 237-272.
5. **Nichols DG**: Respiratory Failure, In: The Golden Hour - Advanced Pediatric Life Support, Edited by **Nichols DG**, Yaster MY, Lappe DG, Buck JR. Chicago: Mosby Yearbook Medical Publishers, 1991, pp. 65-80.
6. Schleien CL, **Nichols DG**: Environmental Injuries, In: The Golden Hour - Advanced Pediatric Life Support, Edited by **Nichols DG**, Yaster MY, Lappe DG, Buck JR. Chicago: Mosby Yearbook Medical Publishers, 1991, pp. 253-270.
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9. Hayden WR, Greenberg RS, **Nichols DG**: Respiratory Monitoring, In: Textbook of Pediatric Intensive Care Medicine, 2nd Edition. Edited by Rogers MC, Williams & Wilkins Publishers, 1992, pp. 204-230.
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15. Helfaer MA, Wilson MD, **Nichols DG**: Pharmacology of Cardiovascular Drugs. In: *Critical Heart Disease in Infants and Children*. Edited by **Nichols DG**, Cameron DE, Greeley WJ, Lappe DG, Ungerleider RM, and Wetzel RC, Mosby, 1995, pp. 185-213.
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18. Schwengel DA, **Nichols DG**, Cameron DE: Coarctation of the Aorta and Interrupted Aortic Arch. In: *Critical Heart Disease in Infants and Children*. Edited by **Nichols DG**, Cameron DE, Greeley WJ, Lappe DG, Ungerleider RM, and Wetzel RC, Mosby, 1995, pp. 669-692.
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34. Feuer P, Ravindranath TM, **Nichols DG**. Thermoregulation. In: Roger's Textbook of Pediatric Intensive Care, 4th Edition. Edited by **Nichols DG**. Lippincott, Williams & Wilkins, 2008.
35. Loeb DM, Nichols DG. Cancer therapy: Mechanisms, Toxicity, and Ethics in the PICU. In: Roger's Textbook of Pediatric Intensive Care, 4th Edition. Edited by **Nichols DG**. Lippincott, Williams & Wilkins, 2008.

Abstracts

1. **Nichols DG**, Kettrick RG, Swedlow DB, et al: Factors influencing outcome of cardiopulmonary arrest in children. *Crit Care Med* 12:287, 1984.
2. **Nichols DG**, Howell S, Massik J, et al: Relationship of diaphragmatic contractility to diaphragmatic blood flow in a newborn model. *Anesthesiology* 65:A272, 1986.
3. **Nichols DG**, Scharf SM, Traystman RJ, Robotham JL: Correlation of flow measured in the left phrenic artery with left and right hemidiaphragmatic blood flow. *Am Rev Resp Dis* 135:A331, 1987.
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5. **Nichols DG**, Eleff SM, Buck JR, Norris SE, Traystman RJ: Relationship between diaphragmatic metabolism as measured by ³¹P nuclear magnetic resonance (NMR) in newborn piglets. *Anesthesiology* 69:A826, 1988.
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19. Ide T, **Nichols DG**, Buck JR, Shungu DC, Eleff SM. The effect of aminophylline on energy metabolism in the fatiguing diaphragm assessed by in vivo ³¹P NMR spectroscopy. *Am Rev Resp Dis* 147:A237, 1993.
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22. Kocis KC, Radell PJ, Sternberger WI, Benson JE, **Nichols DG**: Ultrasound evaluation of piglet diaphragm function before and after fatigue. Eighth Annual Pediatric Critical Care Colloquium, October 7-11, 1995
23. Fackler J, Steinhart C, **Nichols DG**, Bohn D, Heulitt M, Green T, Ware J: ARDS and ECMO: preliminary data from a randomized clinical trial. Eighth Annual Pediatric Critical Care Colloquium, October 7-11, 1995.
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25. Van Breetm R, Wetzell R, **Nichols DG**, Berkowitz I, Walker K, Ota W: Intraoperative Use of High frequency oscillatory ventilation in congenital diaphragmatic hernia. European Association of Cardiothoracic Anesthesiologists, Leuven, Belgium, May 22-25, 1996.
26. Steinhart C, Fackler J, Heulitt M, **Nichols DG**, Green T, Ware J: Randomized trial of protocol-driven mechanical ventilation versus ECMO in pediatric patients with acute respiratory distress syndrome (ARDS). *Am Thorac Soc Meeting*, 1997, *Am J Respir Crit Care Med* 1997.

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32. **Nichols DG** and Shaffner, DH: Outcome Predictors Among Survivors After CPR in Children. XXII International Congress of Pediatrics, Amsterdam, The Netherlands, August 9-14, 1998.
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36. Radell P, Remahl S, Eriksson LI, **Nichols DG**: Piglet Diaphragm Function During Prolonged Mechanical Ventilation. 3rd World Congress on Pediatric Intensive Care, Montreal, Canada, June 2000.
37. Natale JE, Shaffner DH, **Nichols DG**, Paidas C: Secondary Infection Following Brain Trauma. International Conference on Pediatric Trauma, Colorado Springs, CO, June 2000
38. Schwengel DA, Berenholtz S, Kozlowski L, **Nichols DG**, and Myron Y. Peripherally Inserted Central Catheters in pediatric patients; a randomized controlled prospective trial. *Anesthesiology* 2002 *Anesthesiology* 96: A1218, 2002
39. Guerguerian AM, **Nichols DG**, Shaffner DH. Survivors of cardiac arrest. IVth World Congress of Pediatric Intensive Care. Boston, MA June 2003

Training Video

"The Golden Hour - Advanced Pediatric Life Support", The Network for Continuing Medical Education

XI. GUEST PROFESSORSHIPS

1. Visiting Professor, Department of Anesthesia, Intensive and Emergency Medicine, University of Ulm, West Germany, October 1-28, 1988
2. Department of Pediatrics, Al-Sabah Pediatric Hospital, Kuwait City, Kuwait, May 20-26, 1991
3. Department of Pediatrics, Kenyatta University Hospital, Nairobi, Kenya, Nov 18-21, 1992
4. Department of Pediatrics, University of Miami, Miami, Florida, February 22-25, 1993
5. Department of Pediatrics, University of the Philippines, Philippine General Hospital, November 6-13, 1993
6. Departments of Pediatrics, Surgery, and Anesthesia, University of Ghana and Korle-Bu Teaching Hospital, Accra, Ghana, November 15-22, 1993
7. Stephen Grimes Visiting Professor, Department of Anesthesiology, Duke University, Durham, North Carolina, December 14-15, 1994
8. Department of Anesthesiology, University of Pittsburgh, Children's Hospital in Pittsburgh, Pittsburgh, PA, April 17-18, 1995
9. Department of Anesthesiology, The Mayo Clinic, Rochester, MN, September 17-18, 1996
10. Warren Wheeler Visiting Professor, Children's Hospital, Columbus, OH, November 19, 1997
11. Departments of Pediatrics, McGill University and University of Montreal, Montreal, Canada, May 6-7, 1998
12. Department of Anesthesiology and Intensive Care, Karolinska Hospital, Stockholm, Sweden, September 12-17, 1999
13. Department of Anesthesiology, Columbia University, New York, NY, March 21-22, 2001
14. Department of Anesthesiology, Vanderbilt University, Nashville, TN, September 7-8, 2001
15. Ray Kroc Visiting Professor, University of Ljubljana, Ljubljana, Slovenia, June 17-21, 2002
16. The Josephine Templeton Visiting Professor, The Children's Hospital of Philadelphia, Philadelphia, PA, September 22-23, 2004
17. Department of Pediatrics, Columbia University, New York, NY, May 11, 2007

XII. INVITED LECTURES

1. Pediatric Grand Rounds, Children's Hospital of Philadelphia, December 1984 - "CARDIOPULMONARY RESUSCITATION IN CHILDREN"

2. Pediatric Intensive Care Symposium, Newport Beach, California, February 1986 - "RESPIRATORY MUSCLE FATIGUE IN A NEWBORN MODEL" and "CPR IN CHILDREN: NEW DEVELOPMENTS IN OUTCOME AND TECHNIQUE"
3. 6th Myron B. Laver International Postgraduate Course, Basel, Switzerland, March 1986 - "CPR IN INFANTS AND CHILDREN: RESULTS AND TECHNIQUES"
4. Annual Fall Meeting, Anesthetic Spectrum, Maryland Association of Nurse Anesthetists, Baltimore, Maryland, October 1986 - "ANESTHESIA IN THE FIRST 24 HOURS OF LIFE"
5. American Society of Anesthesiologists Annual Meeting, Refresher Course-Clinical Update Program, Las Vegas, Nevada, October 1986 - "RESPIRATORY CONTROL IN NEWBORN AND YOUNG CHILDREN"
6. American Academy of Pediatrics Annual Meeting, Washington, D.C., November 1986 - "RESPIRATORY MUSCLE FUNCTION AND DYSFUNCTION"
7. Anesthesia Grand Rounds, Hahnemann University, Department of Anesthesiology, August 1987 - "RESPIRATORY CONTROL IN THE NEWBORN AND YOUNG CHILDREN"
8. Society for Pediatric Anesthesia Inaugural Meeting, Atlanta, Georgia, October 1987 - "ANESTHESIA IN THE CHILD WITH UPPER RESPIRATORY INFECTION"
9. Anesthesia Grand Rounds, University of Dusseldorf, West Germany, October 1988 - "DIAPHRAGMATIC FATIGUE AND METABOLISM"
10. Anesthesia Grand Rounds, University of Ulm, West Germany, October 1988 - "DIAPHRAGMATIC FATIGUE AND METABOLISM"
11. Anesthesia Departmental Lecture, University of Ulm, West Germany, October 1988 - "NEONATAL ANESTHESIA"
12. Anesthesia Grand Rounds, Children's National Medical Center, Washington, D.C., November 1988 - "DIAPHRAGMATIC FATIGUE AND METABOLISM"
13. Monthly Pediatric Staff Meeting, The Anne Arundel General Hospital, Annapolis, MD, March 1989 - "EVALUATION AND MANAGEMENT OF THE INFANT IN SHOCK"
14. Central Atlantic Seminar in Anesthesiology, Arlington, VA, May 1989 - "UPPER RESPIRATORY TRACT INFECTIONS AND ANESTHESIA IN CHILDREN"
15. Pediatric Grand Rounds, St. Agnes Hospital, Baltimore, MD, January 1990 - "EVALUATION AND MANAGEMENT OF SHOCK"
16. Emergency Medicine Grand Rounds, Johns Hopkins Hospital, Baltimore, MD, February 1990 - "PEDIATRIC RESUSCITATION"
17. Pediatrics Trends Course, Moderator, Pediatric Anesthesia/Pediatric Intensive Care Section, Johns Hopkins Hospital, Baltimore, MD, April, 1989, 1990, 1991, 1992
18. American Thoracic Society, Sunrise Seminar, Boston, MA, May 1990 - "DIAPHRAGM FATIGUE IN THE NEWBORN"

19. Society for Pediatric Anesthesia, Las Vegas, NV, October 1990 - "RESPIRATORY MUSCLE FATIGUE IN INFANTS AND CHILDREN"
20. National Medical Association Annual Meeting, Indianapolis, IN, July 1991 - "CURRENT CONCEPTS IN PEDIATRIC ANESTHESIA INTRAOPERATIVE CARE"
21. American Academy of Pediatrics Annual Meeting, New Orleans, LA, October 1991 - "RESPIRATORY MUSCLE PERFORMANCE IN INFANTS AND CHILDREN"
22. German Society of Anesthesia & Intensive Care - Workshop, Pediatric Anesthesia, Potsdam, Germany, December 1991 - "LUNG PATHOPHYSIOLOGY IN CHILDREN"
23. Pediatric Grand Rounds, St. Agnes Hospital, Baltimore, MD, June 1992 - "CURRENT CONCEPTS IN PEDIATRIC CRITICAL CARE MEDICINE"
24. American Medical Association Media Briefing, New York, NY, September 1992 - "PROFILE OF THE INNER WORKINGS OF A TRAUMA CENTER"
25. SAIDIA Lecture Series, Kenyatta University Hospital, Nairobi, Kenya, November 1992 - "ADVANCED PEDIATRIC LIFE SUPPORT"
26. Pediatric Grand Rounds, University of Miami, Miami, FL, February 1993 - "EFFECTS OF NARCOTICS ON BREATHING IN CHILDREN"
27. Pediatric Intensive Care Research Conference, University of Miami, Miami, FL, February 1993 - "DIAPHRAGMATIC FATIGUE AND METABOLISM IN AN INFANT MODEL"
28. Pediatric Intensive Care Conference, Children's National Medical Center, Washington D.C. March 1993 - "RESPIRATORY MUSCLE FATIGUE, PATHOPHYSIOLOGY, AND MANAGEMENT"
29. 6th Brazilian Congress of Intensive Care Medicine, Porto Alegre, Brazil, October 19, 1993 - "MECHANICAL VENTILATION IN PEDIATRIC PATIENTS IN THE 90'S"
30. 6th Brazilian Congress of Intensive Care Medicine, Porto Alegre, Brazil, October 20, 1993 - "THE MANAGEMENT OF THE PEDIATRIC PATIENT WITH TRAUMA"
31. 6th European Congress on Pediatric, Surgical, and Neonatal Intensive Care, Athens, Greece October 15, 1993 - "THE MANAGEMENT OF THE POLY TRAUMATIZED CHILD"
32. 6th European Congress on Pediatric, Surgical, and Neonatal Intensive Care, Athens, Greece October 14, 1993 - "NEW MODES OF MECHANICAL VENTILATION IN PEDIATRIC ACUTE RESPIRATORY FAILURE"
33. Postgraduate Course on Pediatric Intensive Care, University of Philippines, Philippines General Hospital, November 1993 - "CARDIOPULMONARY PHYSIOLOGY & MONITORING IN ICU"
34. Postgraduate Course on Pediatric Intensive Care, University of Philippines, Philippines General Hospital, November 1993 - "RESPIRATORY COMPLICATIONS IN SHOCK & SEPSIS"

35. Postgraduate Course on Pediatric Intensive Care, University of Philippines, Philippines General Hospital, November 1993 - "PAIN MANAGEMENT & ANESTHESIA"
36. Symposium, The Society of Critical Care Medicine National Meeting, Orlando FL, January 1994 - "PERMISSIVE HYPERCAPNIA"
37. 14th International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 1994 - "CONTROVERSIES IN MECHANICAL VENTILATION IN CHILDREN"
38. 14th International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 1994 - "DIAPHRAGM FATIGUE ASSESSED BY ^{31}P NMR SPECTROSCOPY"
39. 14th International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 1994 - "RESPIRATORY MUSCLE FATIGUE - EFFECTS OF AMINOPHYLLINE ON ACTIVATION, STRENGTH, AND METABOLISM OF THE DIAPHRAGM"
40. 1st Israel Advanced Pediatric Life Support Course, Children's Medical Center Israel, Petach Tikva, Israel - July 1994
41. Stephen Grimes Lectureship, Duke University Medical Center, Durham, NC, December 1994 - "TAMING THE TECHNOLOGY OF ARDS IN CHILDREN"
42. Pediatric Intensive Care Research Conference, Children's Hospital in Pittsburgh, Pittsburgh, PA, April 17, 1995 - "THE SCIENCE AND PRACTICE OF WEANING FROM MECHANICAL VENTILATION IN CHILDREN"
43. Paediatric Section, Australia-New Zealand Intensive Care Society, Brisbane, Australia, October 11, 1995 - "CEREBRAL PROTECTION - THE MYTHS EXPOSED"
44. 20th Australia-New Zealand Intensive Care Society Meeting, Brisbane, Australia, October 12-14, 1995 - "WHAT'S NEW IN PAEDIATRIC VENTILATION"
45. 20th Australia-New Zealand Intensive Care Society Meeting, Brisbane, Australia, October 12-14, 1995 (Keynote speaker) - "THE INTERFACE WITH TECHNOLOGY"
46. The Society for Pediatric Anesthesia, Tampa, FL., February 15-18, 1996, PEDIATRIC TRAUMA OUTCOME - THE ICU PERSPECTIVE"
47. 2nd World Congress on Pediatric Intensive Care, The Netherlands, June 23-26, 1996 - "AIMS AND GOALS TO OPTIMIZE TRAUMA CARE"
48. 2nd World Congress on Pediatric Intensive Care, The Netherlands, June 23-26, 1996 - "THE OPTIMAL MONITORING OF CIRCULATION"
49. 2nd World Congress on Pediatric Intensive Care, The Netherlands, June 23-26, 1996 - "CHALLENGE TO THE FUTURE - PAEDIATRIC ANESTHESIA"
50. 2nd World Congress on Pediatric Intensive Care, The Netherlands, June 23-26, 1996 - "ARDS AND ECMO; PRELIMINARY DATA FROM A RANDOMIZED CLINICAL TRIAL"
51. Anesthesia Grand Rounds, Johns Hopkins Hospital, Baltimore, MD, September 12, 1996 - "WHAT'S NEW IN PEDIATRIC VENTILATION?"

52. Anesthesia Grand Rounds, The Mayo Clinic, Rochester, MN, September 18, 1996 - "ARDS IN CHILDREN - A STATUS REPORT"
53. Pediatric Pulmonary Medicine Conference, The Johns Hopkins University, Baltimore, MD, November 25, 1996 - "LIQUID VENTILATION"
54. The Society for Pediatric Anesthesia, San Antonio, TX, February 13-16, 1997, "ANESTHESIA IN CHILDREN WITH URI"
55. The Central Ohio Pediatric Society, Columbus, OH, November 19, 1997, "VIVIAN THOMAS AND THE BLUE BABY OPERATION - A SOCIAL HISTORY"
56. Pediatric Grand Rounds, Children's Hospital, Columbus, OH, November 20, 1997, "PEDIATRIC TRAUMA OUTCOME - THE ICU PERSPECTIVE"
57. Society for Critical Care Medicine, San Antonio, TX, February 4-8, 1998 "PEDIATRIC RESPIRATORY MUSCLE DYSFUNCTION"
58. Pediatric Grand Rounds, Children's Hospital of Montreal, Montreal, Canada, May 6, 1998 "CPR – IS IT WORTH IT?"
59. Pediatric Grand Rounds, St. Justine Hospital, Montreal, Canada, May 6, 1998 "CPR – IS IT WORTH IT?"
60. 3rd International Symposium: Advances in Management of Critically Ill Children, Buenos Aires, Argentina, June 25-27, 1998. "ARDS AND RESCUE THERAPY"
61. 3rd International Symposium: Advances in Management of Critically Ill Children, Buenos Aires, Argentina, June 25-27, 1998. "OUTCOME OF PEDIATRIC TRAUMA"
62. 3rd International Symposium: Advances in Management of Critically Ill Children, Buenos Aires, Argentina, June 25-27, 1998. "BRONCHIOLITIS AND ACUTE RESPIRATORY FAILURE"
63. 3rd International Symposium: Advances in Management of Critically Ill Children, Buenos Aires, Argentina, June 25-27, 1998. "THE PEDIATRIC AIRWAY – SPECIAL SITUATIONS"
64. Anesthesia Grand Rounds, Johns Hopkins Hospital, Baltimore, MD, February 11, 1999. "PEDIATRIC HEAD TRAUMA"
65. Western Pacific Association of Critical Care Medicine 10th Congress on Critical Care, Manila, Philippines, February 20-23, 1999. "APLS UPDATE"
66. Western Pacific Association of Critical Care Medicine 10th Congress on Critical Care, Manila, Philippines, February 20-23, 1999. "TOTAL QUALITY ASSURANCE, IMPROVEMENT IN ICU, COST AND OUTCOME"
67. Western Pacific Association of Critical Care Medicine 10th Congress on Critical Care, Manila, Philippines, February 20-23, 1999. "ANALGESIA AND SEDATION: NEW APPROACHES AND APPLICATIONS IN THE CRITICALLY ILL"

68. Western Pacific Association of Critical Care Medicine 10th Congress on Critical Care, Manila, Philippines, February 20-23, 1999. "ICU TELEMETRY AND REGIONALIZATION OF CARE"
69. Anesthesia Rounds, The Karolinska Hospital Stockholm, Sweden, September 13, 1999. "WEANING FROM MECHANIAL VENTILATION"
70. Emergency Medicine Grand Rounds, Johns Hopkins Hospital, Baltimore, MD, February 2000 - "PEDIATRIC HEAD TRAUMA - STATE OF THE ART"
71. Society for Critical Care Medicine, Orlando, FL, February 10-14, 2000 - 'OUTCOME OF PEDIATRIC HEAD TRAUMA"
72. 3rd World Congress on Pediatric Intensive Care, Montreal, Canada, June 24-29, 2000 - "ANALGESIA AND SEDATION IN CHILDREN"
73. 3rd World Congress on Pediatric Intensive Care, Montreal, Canada, June 24-29, 2000 - "MUSCLE RELAXANTS: USE AND ABUSE"
74. 3rd World Congress on Pediatric Intensive Care, Montreal, Canada, June 24-29, 2000 - "NEUROMYOPATHIES IN ICU"
75. IV Mexican Congress on Paediatric Critical Care, Merida, Mexico, October 21-27, 2000 - "VENTRICULAR DYSFUNCTION IN FONTAN SURGERY"
76. IV Mexican Congress on Paediatric Critical Care, Merida, Mexico, October 21-27, 2000 - "HEMOFILTRATION AND DIALYSIS IN CARDIAC POSTSURGERY PATIENTS"
77. IV Mexican Congress on Paediatric Critical Care, Merida, Mexico, October 21-27, 2000 - "RESPIRATORY MUSCLE FUNCTION DURING WEANING FROM MECHANICAL VENTILATION"
78. IV Mexican Congress on Paediatric Critical Care, Merida, Mexico, October 21-27, 2000 - "NEW INOTROPES IN PEDIATRIC PATIENTS"
79. IV Mexican Congress on Paediatric Critical Care, Merida, Mexico, October 21-27, 2000 - "PROGNOSTIC FACTORS IN TRAUMATIC BRAIN INJURY PEDIATRIC PATIENTS"
80. Society for Critical Care Medicine, San Francisco, CA, February 13, 2001 - "PEDIATRICS – THE YEAR IN REVIEW"
81. Society for Pediatric Anesthesia, San Diego, CA, February 23, 2001 - "EVIDENCE-BASED MEDICINE"
82. Anesthesiology Grand Rounds, Columbia University, New York, NY, March 22, 2001 - "PEDIATRIC HEAD TRAUMA MANAGEMENT – STATE OF THE ART"
83. Anesthesiology Grand Rounds, Vanderbilt University, Nashville, TN, September 7, 2001 "EVIDENCE-BASED MEDICINE IN ANESTHESIOLOGY"
84. British Pediatric Intensive Care Society, Royal Brompton Hospital, London, UK, October 19, 2001

“RESPIRATORY MUSCLE FATIGUE AND WEANING”

85. British Pediatric Intensive Care Society, Royal Brompton Hospital, London, UK, October 19, 2001
“ARDS – A PAEDIATRIC PERSPECTIVE”
86. Society for Critical Care Medicine, San Diego, CA, January 28, 2002 –
“PEDIATRICS – THE YEAR IN REVIEW”
87. International Anesthesia Research Society, San Diego, CA, March 18, 2002 –
“EVIDENCE-BASED MEDICINE IN PEDIATRIC ANESTHESIA”
88. European Society for Pediatric and Neonatal Intensive Care, Ljubljana, Slovenia, June 13, 2002-
“FUTURE DEVELOPMENTS OF ARTIFICIAL ORGAN SUPPORT IN PICU”
89. European Society for Pediatric and Neonatal Intensive Care, Ljubljana, Slovenia, June 13, 2002
“RESPIRATORY ROLE OF THE DIAPHRAGM: FROM LABORATORY STUDIES TO CLINICAL PRACTICE?”
90. Society for Critical Care Medicine, San Antonio, TX, January 30, 2003 –
“PEDIATRICS – THE YEAR IN REVIEW”
91. 41st Clinical Conference in Pediatric Anesthesia, Los Angeles, CA, February 1, 2003 –
“WHO STILL CARES ABOUT URI’S”
92. 41st Clinical Conference in Pediatric Anesthesia, Los Angeles, CA, February 2, 2003 –
“BEFORE THE BAR”
93. 41st Clinical Conference in Pediatric Anesthesia, Los Angeles, CA, February 2, 2003 –
“WHAT THE INTENSIVIST WANTS YOU TO KNOW ABOUT YOUR NEXT CASE”
94. 4th World Congress of Pediatric Intensive Care. Boston, MA, June 9, 2003 –
“MECHANICAL VENTILATION: THE FUTURE”
95. 4th World Congress of Pediatric Intensive Care. Boston, MA, June 9, 2003 –
“NOVEL APPROACHES TO MONITORING SEDATION AND ANALGESIA”
96. 11th Asian Congress of Pediatrics, Bangkok, Thailand, November 7, 2003, -
“PEDIATRIC ACUTE RESPIRATORY DISTRESS SYNDROME”
97. AAMC Annual Meeting - Group on Education Affairs Special Plenary Session, Washington, DC, November 11, 2003 –
“CAN YOU SHRINK YOURSELF TO GREATNESS – THE HOPKINS EXPERIENCE”
98. Thai Association of Pediatric Respiratory & Critical Care Medicine, Queen Sirikit National Institute of Child Health, Bangkok, Thailand, November 3, 2003
“ACUTE ASTHMATIC MANAGEMENT FROM ER TO PICU”
99. Society for Critical Care Medicine, Orlando, FL, February 22, 2004 –
“INTERACTIVE CASE PRESENTATIONS: TRAUMATIC BRAIN INJURY”
100. Society for Pediatric Anesthesia, Phoenix, AZ, March 6, 2004 –

“IS THERE LIFE OUTSIDE THE OPERATING ROOM? ADMINISTRATIVE OPPORTUNITIES FOR ANESTHESIOLOGISTS”

101. American Academy of Ophthalmology, Baltimore, MD, June 11 2004-
“eLEARNING AND THE INTERNET”
102. Anesthesiology Grand Rounds, The Children’s Hospital of Philadelphia, September 23, 2004,
“SEE ONE, *BE* ONE, TEACH ONE...THE DOCTOR-PATIENT RELATIONSHIP IN A QUATERNARY WORLD”
103. Association of University of Professors of Neurology, Toronto, Canada, October 3, 2004-
“FINANCING MEDICAL EDUCATION IN AN AGE OF UNCERTAINTY”
104. Pediatric Grand Rounds, The Johns Hopkins Hospital, December 2004, “SEE ONE, *BE* ONE, TEACH ONE...THE DOCTOR-PATIENT RELATIONSHIP IN A QUATERNARY WORLD”
105. Emergency Medicine Grand Rounds, The Johns Hopkins Hospital, March 2005 , “SEE ONE, *BE* ONE, TEACH ONE...THE DOCTOR-PATIENT RELATIONSHIP IN A QUATERNARY WORLD”
106. 7th Pediatric Critical Care Latin American Congress, Cancun Mexico, October 17, 2005.
“BIOCHEMICAL MARKERS OF CEREBRAL ISQUEMIA AND THEIR CLINICAL APPLICATIONS.”
107. 7th Pediatric Critical Care Latin American Congress, Cancun Mexico, October 17, 2005. “POST ARREST STATUS: ORGAN SYSTEM CONSEQUENCES. WHAT ELSE CAN I OFFER TO MY PATIENT?”
108. Pediatric Grand Rounds, Columbia University Medical Center, New York, NY, May 11, 2007.
“FROM GENES TO SOCIETY – THE NEW SYSTEM OF THOUGHT IN THE PICU.”
109. Society for Pediatric Anesthesia, San Francisco, CA, October 12, 2007. “WHAT ARE EVIDENCE-BASED GUIDELINES?”
110. Philippine Society for Pediatric Critical Care, Baguio City, Philippines, January 25, 2008.
“ACUTE RESPIRATORY DISTRESS SYNDROME”
111. Philippine Society for Pediatric Critical Care, Baguio City, Philippines, January 26, 2008.
“HERMINIA CIFRA MEMORIAL LECTURE: FROM GENES TO SOCIETY – THE NEW SYSTEM OF THOUGHT IN THE PICU”
112. Philippine Society for Pediatric Critical Care, Baguio City, Philippines, January 26, 2008.
“POSTOPERATIVE CARDIAC CARE IN THE PICU”
113. Philippine Society for Pediatric Critical Care, Baguio City, Philippines, January 27, 2008.
“NOSOCOMIAL INFECTION IN THE PICU”
114. Johns Hopkins Bayview Medical Center, Baltimore, MD, February 18, 2008, Black History Month
Keynote speaker. “A COVENANT WITH HISTORY”
115. 19th European Students’ Conference, Berlin, Germany, October 2, 2008. Panel Discussant:
“ETHICS AND BUSINESS IN THE PRACTICE OF MEDICINE”

116. 19th European Students' Conference, Berlin, Germany, October 4, 2008.
 "FROM A BERLIN ELEMENTARY SCHOOL TO THE GENES-TO-SOCIETY
 CURRICULUM AT JOHNS HOPKINS"

XIII. SYMPOSIA CHAIRMAN

1. Society for Pediatric Research, New Orleans, LA, April 1991 - POSTER SYMPOSIUM ON
 "PAIN"
2. 1st World Congress of Pediatric Intensive Care, Baltimore, MD, June 1992, - SYMPOSIUM ON
 "RESPIRATORY FAILURE"
3. Society of Pediatric Research, Washington D.C., May 1993 - SYMPOSIUM ON "PEDIATRIC
 CRITICAL CARE"
4. 6th European Congress of Pediatric Intensive Care Medicine, Athens, Greece, October 1993.
 "PEDIATRIC TRAUMA"
5. Society for Pediatric Anesthesia, Phoenix, AZ, Feb 1995 - ORAL ABSTRACT PRESENTATIONS
6. 2nd World Congress on Pediatric Intensive Care, The Netherlands, June 23-26, 1996 - "ACUTE
 LUNG INJURY"
7. 2nd World Congress on Pediatric Intensive Care, The Netherlands, June 23-26, 1996 - "ACUTE
 LUNG INJURY/AIRWAY"
8. 2nd World Congress on Pediatric Intensive Care, The Netherlands, June 23-26, 1996.
 "INFECTIOUS DISEASES"
9. 2nd World Congress on Pediatric Intensive Care, The Netherlands, June 23-26, 1996.
 "PRESSURE REGULATED VOLUME CONTROL (PRVC) VENTILATION"
10. 2nd World Congress on Pediatric Intensive Care, The Netherlands, June 23-26, 1996.
 "PULMONARY ABSTRACTS"
11. 2nd World Congress on Pediatric Intensive Care, The Netherlands, June 23-26, 1996.
 "PREHOSPITAL MANAGEMENT OF PEDIATRIC EMERGENCIES"
12. Society for Critical Care Medicine, San Antonio, TX, February 4-8, 1998 "PULMONARY
 CRITICAL CARE - POSTER DISCUSSION SESSION"
13. Society for Critical Care Medicine, Orlando, FL, February 10-14, 2000 "NEURO-CRITICAL
 CARE"
14. Society for Critical Care Medicine, Orlando, FL, February 10-14, 2000 "PEDIATRIC CLINICAL
 AND EXPERIMENTIAL NEUROSCIENCE" - ORAL ABSTRACT PRESENTATIONS
15. 3rd World Congress on Pediatric Intensive Care, Montreal, Canada, June 24-29, 2000 -
 SYMPOSIUM ON "NEONATES AND CHILDREN"

16. 3rd World Congress on Pediatric Intensive Care, Montreal, Canada, June 24-29, 2000 - SYMPOSIUM ON "NEURONAL INJURY IN NEONATES AND CHILDREN: PATHOPHYSIOLOGY"
17. Society for Critical Care Medicine, San Diego, CA, January 28, 2002 - "CONTEMPORARY MONITORING OF CRITICALLY ILL CHILDREN"
18. International Anesthesia Research Society, San Diego, CA, March 17, 2002 - "PEDIATRIC ANESTHESIA – ABSTRACT PRESENTATIONS"
19. European Society for Pediatric and Neonatal Intensive Care, Ljubljana, Slovenia, June 13, 2002- "RESPIRATORY FAILURE – PLENARY SESSION"
20. 11th Asian Congress of Pediatrics, Bangkok, Thailand, November 3-7, 2003, - "PEDIATRIC CRITICAL CARE"
21. Medbiquitous Annual Conference, Baltimore, MD, April 26, 2006 – "FOCUSING ON COMPETENCIES"

XIV. ANNUAL MEDICAL STUDENT, RESIDENT, POST DOCTORAL FELLOW LECTURES

1. "General Anesthetics" (2nd year Pharmacology course, given yearly in January)
2. "Inotropes" (Pediatric Critical Care and Pediatric Cardiology introductory course, given yearly in July)
3. "Postoperative Care of the Postoperative Cardiac Patient" (Pediatric Critical Care and Pediatric Cardiology introductory course, given yearly in July)

XV. MENTORSHIP – POSTDOCTORAL FELLOWS (partial list)

Barnes, Steven D.	Associate Professor, Anesthesiology	Rush Medical College, Chicago, IL
Bulut, Yonca	Associate Professor, Pediatrics	UCLA, Los Angeles, CA
Davidson, Diana Lyn	Pediatric Intensivist	Huntsville Hospital, Huntsville, AL
Davis, Stephen J	Training Program Director, PCCM*	Cleveland Clinic, Cleveland, OH
Downie, John	Training Program Director, PCCM*	Univ of Chicago, Chicago, IL
Duncan, Jennifer	Assistant Professor, Pediatrics	Washington University in St. Louis
Elwood, Tom	Assistant Professor, Anesthesiology	Children's Hospital, Seattle, WA
Fehr, James J.	Assistant Professor, Anesthesiology	Washington University in St. Louis
Flick, Randall P.	Assistant Professor, Anesthesiology	Mayo Clinic, Rochester, MN
Galloway, Karen S.	Assistant Professor, Anesthesiology	University of Hawaii
Gunnoe, Eric	Pediatric Intensivist	B Bush Children's Hosp, Portland, ME
Gwyn, Darryl	Pediatric Intensivist	Greenville Hospital System, SC
Gueguerian, Anne-Marie	Assistant Professor, Critical Care	Toronto Hospital for Sick Children
Hardart, Richard A.	Assistant Professor, Anesthesiology	Johns Hopkins, Baltimore, MD
Hastings, Laura A.	Assistant Professor, Anesthesiology	Children's Hospital of LA
Haun, Steven E.	Director of Pediatric Critical Care	University of South Dakota

Hayden, William D.	Professor and Vice Chair, Pediatrics	University of Chicago
Hays, Stephen R.	Assistant Professor, Anesthesiology	Vanderbilt Children's Hospital
Helfaer, MA	Professor and Director of PCCM	Children's Hospital of Philadelphia
Hunt, Elizabeth	Assistant Professor of Anesthesiology	Johns Hopkins SOM, Baltimore, MD
	Director, JH School of Medicine Simulation Center	
Ide, T	(Deceased)	
Jackson, Jr., Eric V.	Assistant Professor, ACCM**	Johns Hopkins SOM, Baltimore, MD
Kocis, Keith C.	Professor of Pediatrics	University of North Carolina
	Chief, Pediatric Critical Care Medicine	
Lenox Jr., W. Casey	Pediatric Anesthesiologist	Phoenix, AZ
Lok, Josephine	Assistant Professor, Pediatrics	Massachusetts General Hospital
McCloskey, John J.	Pediatric Anesthesiologist	Children's Hospital of Philadelphia
Mogayzel, Peter	Assistant Professor, Pediatrics	Johns Hopkins SOM, Baltimore, MD
Natale, JoAnne E.	Assistant Professor Critical Care Medicine	Children's National Medical Center, DC
Njoku, Dolores B	Assistant Professor, ACCM	Johns Hopkins SOM, Baltimore, MD
Okanlami, Olubunmi	Director of Pediatric Critical Care	Indianapolis Children's Hospital
Radell, Peter J.	Assistant Professor, Pediatrics	Karolinska Institute, Stockholm, Sweden
Sauder, Russell A.	Division Director, Pediatric Anesthesiology	Columbus Children's Hospital
Schears, Gregory J.	Pediatric Anesthesiology	Mayo Clinic in Rochester, MN
Schuette, Jennifer	Instructor, Pediatrics	Johns Hopkins SOM, Baltimore, MD
Schwengel, Deborah A.	Assistant Professor, ACCM	Johns Hopkins SOM, Baltimore, MD
Slater, Anthony	Chief, Department of Pediatric Critical Care	Brisbane, Australia
Snelling, Linda K.	Director of Pediatric Critical Care	Hasbro Children's Hospital, Brown University SOM, Providence, RI
		Columbus Childrens Hosp., Columbus, OH
Schwartz, Larry	Assistant Professor	Cambridge University, Cambridge, U.K.
Tasker, Robert C.	Lecturer, Pediatric Critical Care	University of Missouri, Columbia, MO
Tobias, Joseph D.	Professor of Pediatrics/Anesthesiology	
	Vice Chair, Department of Anesthesiology	
Tobin, Joseph R.	Professor of Pediatrics/Anesthesiology	Wake Forest University
	Chair, Dept. of Anesthesiology/CCM	
Walker, L. Kyle	Pediatric Intensivist	LeHigh Hospital, LeHigh, PA
Zuckerberg, Aaron	Director of Pediatric Critical Care	Sinai Hospital, Baltimore, MD

*PCCM = Pediatric Critical Care Medicine

**ACCM = Anesthesiology and Critical Care Medicine