

CURRICULUM VITAE
VINEET BHANDARI, MD, DM

Prepared October 17, 2008

PERSONAL

BUSINESS ADDRESS: Yale University School of Medicine
Division of Perinatal Medicine
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EDUCATION AND TRAINING

<u>Dates Attended</u>	<u>Name & Location of Institution</u>	<u>Degree Received/Year/Subject</u>
UNDERGRADUATE SCHOOL		
1979 - 81	St. Columba's School New Delhi, India	ISC, 1981
GRADUATE MEDICAL EDUCATION		
1981 - 85	Armed Forces Medical College Pune, India	M.B.B.S., 1985
POSTGRADUATE		
1986	Safdarjang Hospital New Delhi, India	Internship, (rotating)
1987	Safdarjang Hospital New Delhi, India	Housemanship, Pediatric Surgery & Pediatrics
1988-89	P.G.I.M.E.R., Chandigarh, India	Residency, Pediatrics
1990-92	P.G.I.M.E.R., Chandigarh, India	Fellowship, Neonatology
1992-96	UCONN School of Medicine Farmington, Connecticut	Fellowship, Neonatology (including PLIII Peds)
LICENSURE		
1996-99	New York	
1997-98;2001-	Connecticut	
1998-2004	Pennsylvania	
BOARD CERTIFICATION		
American Board of Pediatrics	1995;2002	<u>Certificate #</u> 055408
Sub-Board in Neonatal/Perinatal Medicine	1997;2004	003109

ACADEMIC HONORS AND AWARDS

Chair, Planning Committee	Eastern Society for Pediatric Research	2007-09
Vice-Chair, Planning Committee	Eastern Society for Pediatric Research	2006-07
First Prize	Association of Kerala Medical Graduates Young Physician Research Awards (PI)	2007
Mae Gailani Junior Faculty Award	Department of Pediatrics, Yale University School of Medicine	2005-06
Council Member	Eastern Society for Pediatric Research	2005-09
Research Award (Best Oral Pediatric Presentation)	Mercy Health Partners 5 th Annual Research Symposium	2005
First Prize	Maimonides Society Scientific Paper Awards	2003
Third Prizes (2)	Resident Research Paper Awards, AEMC (PI)	2001
First Prize	Maimonides Society Scientific Paper Awards	2000
Second Prize	Resident Research Paper Awards, AEMC (PI)	2000
Third Prize	Resident Research Paper Awards, AEMC (PI)	2000
Faculty Teacher of the Year	Department of Pediatrics, AEMC	1998-99
Best Research Paper	New England Perinatal Society	1995
Finalist for the Best Paper Award	NNF Annual Convention	1992
Finalist for the Best Paper Award	NNF-ISOPARB Annual Convention	1991
Best Paper Award & Gold Medal	Assoc. of Otolaryngologists of India (NWZ branch)	1990
First Prize & Silver Medal in Pediatrics	AFMC, India	1985
Indian Council of Medical Research Scholarship	AFMC, India	1983
National Talent Search Scholarship	N.C.E.R.T., India	1981-89
Stipend Award for first 60 students (All India Rank: 45)	AFMC, India	1981
Certificate of Merit and Scholarship	Government of India	1978

MISCELLANEOUS HONORS AND AWARDS

1. Member, Abstracts Reviewer Committee on "Neonatal Pulmonology" for the 2009 Pediatric Academic Societies Annual Meeting.
2. Invited International Faculty. 9th European Conference on Pediatric and Neonatal Ventilation. April 9-12, 2008, Montreux, Switzerland. Presented 2 plenary talks: "SNIPPV: Concepts, Data and Experience" and "Genetic Research and its Clinical Relevance in Neonatal Lung Disease".

3. Chair, plenary session entitled “New Clinical Perspectives in Neonatal Respiratory Failure” at the 9th European Conference on Pediatric and Neonatal Ventilation. April 9-12, 2008, Montreux, Switzerland.
4. Co-chair, plenary session entitled “Goal Directed Mechanical Ventilation” at the 9th European Conference on Pediatric and Neonatal Ventilation. April 9-12, 2008, Montreux, Switzerland.
5. Panel member, roundtable discussion on “Oxygen Targets” at the 9th European Conference on Pediatric and Neonatal Ventilation. April 9-12, 2008, Montreux, Switzerland.
6. Co-moderator, oral presentations session 1 (platform session) at the 9th European Conference on Pediatric and Neonatal Ventilation. April 9-12, 2008, Montreux, Switzerland.
7. Member, Abstracts Reviewer Committee on “Pulmonary Vascular Biology” for the 2008 Pediatric Academic Societies and Asian Society for Pediatric Research Joint Meeting.
8. Visiting Professor, Division of Neonatology, Department of Pediatrics, AIIMS, New Delhi, India. August 24, 2007.
9. Invited International Faculty. Fourth Single Theme Workshop in Neonatology: Neonatal Jaundice. August 18-19, 2007, PGIMER, Chandigarh, India. Presented a talk on “Newer modalities of management of Neonatal Jaundice”.
10. Visiting Professor, Advanced Pediatric Center, PGIMER, Chandigarh, India. August 14-18, 2007.
11. Visiting Professor, Department of Neonatology, Sir Ganga Ram Hospital, New Delhi, India. August 9, 2007.
12. Visiting Scientist, University of Alabama at Birmingham. July 17-18, 2007.
13. Visiting Professor, Brown University/Women and Infants’ Hospital/Hasboro Childrens’ Hospital, Providence, RI. July 13, 2007.
14. Co-moderator, platform session entitled “Alveolarization and its Impairment” at the 2007 Pediatric Academic Societies Annual Conference.
15. Co-moderator, platform session entitled “Mechanisms of Neonatal Lung Injury” at the 2006 Pediatric Academic Societies Annual Conference.
16. Facilitator, thematic poster session entitled “Neonatal Lung Disease” at the 2006 American Thoracic Society Annual Conference.
17. Member, Abstracts Reviewer Committee on “Neonatal-Disease-Oriented Research” for the 2006 Pediatric Academic Societies Annual Conference.
18. Selected for inclusion in the **Who’s Who in Medicine and Healthcare**® (Marquis, 5th edition, 2004; 6th edition, 2006-2007).
19. Selected for inclusion in the Global Register’s **Who’s Who in Executives and Professionals** (2006 - 2007 edition).

20. Selected for inclusion in the National Register's **Who's Who in Executives and Professionals** (2005 - 2006 edition).
21. Honorary Consultant in the field of Neonatal-Perinatal Medicine to the State of Connecticut, Department of Public Health (Division of Health Systems Regulation, Practitioner Investigation Unit).
22. Visiting Professor, Advanced Pediatric Center, PGIMER, Chandigarh, India. August 5-6, 2004.
23. Invited International Faculty. NEOCON 2004: XXIV Annual Convention National Neonatology Forum. Oct. 28-31, 2004, Chandigarh, India. Presented talks in the "Advanced Neonatology CME" and "Hot Topics" sessions and was co-chair/presented at a "Meet the Experts" session.

GRANT REVIEWER

1. Canadian Institutes of Health Research (Randomized Controlled Trials).
2. United States-Israel Binational Science Foundation.
3. Thrasher Research Fund.
4. British Lung Foundation.
5. University of Alabama at Birmingham Perinatal Health and Human Development Pilot Grant Program.

EDITORIAL RESPONSIBILITIES

Guest Editor

Seminars in Perinatology: Bronchopulmonary Dysplasia – State of the Art. August 2006;30:163-232.

Managing Editor

Frontiers in Bioscience: Genetic Basis for Disorders Affecting the Premature Newborn

<http://www.bioscience.org/current/special/Bhandari.htm>

Contributing Editor

Year Book of Neonatal and Perinatal Medicine 2007

Year Book of Neonatal and Perinatal Medicine 2008

Member, International Editorial Advisory Board

The Open Pediatric Medicine Journal <http://www.bentham.org/open/topedj/EBM.htm>

Internet Journal of Medical Update <http://www.geocities.com/agnihotrmed/ijmu.htm>

The Open Enzyme Inhibition Journal <http://www.bentham.org/open/toeij/EBM.htm>

Manuscript Reviewer

Acta Paediatrica

American Journal of Perinatology

American Journal of Physiology: Lung Cellular and Molecular Physiology
American Journal of Respiratory Cell and Molecular Biology
American Journal of Respiratory and Critical Care Medicine
Archives of Diseases of Childhood
Archives of Pediatrics & Adolescent Medicine
Archivum Immunologiae et Therapiae Experimentalis
Biochemical Journal
Biology of the Neonate
Blood
BMC Pediatrics
Clinica Chimica Acta
Experimental Lung Research
Expert Opinion on Emerging Drugs
Expert Opinion on Pharmacotherapy
Expert Review of Ophthalmology
Frontiers in Bioscience
International Journal of Biomedical Sciences
Internet Journal of Medical Update
Journal of Agricultural and Food Chemistry
Journal of Leukocyte Biology
Journal of Neonatal and Perinatal Medicine
Journal of Pediatrics
Journal of Perinatology
Journal of Postgraduate Medicine
Journal of the Society of Gynecologic Investigation
Life Sciences
Lung
Medical Science Monitor
Neonatology
Pediatrics
Pediatric and Developmental Pathology
Pediatric Pulmonology
Pediatric Research
Pharmacological Research
Pulmonary Pharmacology and Therapeutics
Respiration
The American Journal of Pathology
The Open Pediatric Medicine Journal
The Pediatric Infectious Disease Journal
Transplant International
Yonsei Medical Journal

APPOINTMENTS

Years inclusive

Title

Name & Location of Institution

ACADEMIC

2008-

Associate Professor of Pediatrics

Yale University School of Medicine

	(Neonatal-Perinatal Medicine)	Yale-New Haven Children's Hospital New Haven, CT
2005-2008	Assistant Professor of Pediatrics (Neonatal-Perinatal Medicine)	Yale University School of Medicine Yale-New Haven Children's Hospital New Haven, CT
2001-2005	Associate Research Scientist	Yale University School of Medicine Yale-New Haven Children's Hospital New Haven, CT
2000-2001	Director, Neonatal Respiratory Research Laboratory	Albert Einstein Medical Center Philadelphia, PA
2000-2001	Assistant Professor of Pediatrics (Neonatology)	Jefferson Medical College of the Thomas Jefferson University Philadelphia, PA
1998-2000	Assistant Professor of Pediatrics (Neonatology)	Temple University School of Medicine, Philadelphia, PA
1997-1998	Assistant Clinical Professor Pediatrics (Neonatology)	UCONN School of Medicine Farmington, CT
1996-1997	Instructor of Clinical Pediatrics (Neonatology)	UCONN School of Medicine Farmington, CT
1990-1992	Senior Registrar in Neonatology (Pediatrics)	PGIMER, Chandigarh, India

HOSPITAL

2001-	Attending Neonatologist	Yale-New Haven Children's Hospital New Haven, CT
1998-2001	Attending Neonatologist	Albert Einstein Medical Center Philadelphia, PA
1997-98	Associate Attending, Pediatrics	St. Luke's Hospital Newburgh, NY

COMMITTEES, ORGANIZATION, SOCIETIES

Hospital Committees

2007	Member, Oxidative Stress Initiative Committee, Newborn Special Care Unit Yale-New Haven Hospital
2002-03	Chair, Interdisciplinary Committee for Stress and Pain Management in Newborns and Infants Yale-New Haven Hospital

1997-98 Member, Health Information Management System Committee
St. Luke's Hospital

1993-97 Member, Infant Care Review Committee
UCONN School of Medicine

Departmental Committees

2007- Chair, Scholarship Oversight Committee (O. Levit), Neonatology Fellowship Program, Yale-New Haven Children's Hospital, Yale University School of Medicine, New Haven, CT.

2007- Member, Scholarship Oversight Committee (A. Thompson), Neonatology Fellowship Program, Yale-New Haven Children's Hospital, Yale University School of Medicine, New Haven, CT.

2007- Member, Scholarship Oversight Committee (A. Harijith), Neonatology Fellowship Program, Morgan Stanley Children's Hospital, Columbia University Medical Center, New York, NY.

2006-2007 Member, Scholarship Oversight Committee (A. Shetty), Neonatology Fellowship Program, Yale-New Haven Children's Hospital, Yale University School of Medicine, New Haven, CT.

2003- Member, Intern Selection Committee for Medicine-Pediatrics Residency Program, Yale School of Medicine

2001- Member, Intern Selection Committee for Pediatrics Residency Program, Yale School of Medicine

2003-05 Member, Research Committee, Yale School of Medicine

1993-97 Member, Lung Club, UCONN School of Medicine

Participation in national organizations

2008- Member, India *Giani* Scholarship Fund Committee under International Health Section, American Academy of Pediatrics

Participation in local and regional organizations

2003- Member, Planning Committee, Eastern Society for Pediatric Research

2003- Member, Abstracts Reviewer Committee for the ESPR Annual conferences

2005-06 Member, Nominating Committee, Eastern Society for Pediatric Research

1994-95 Resident Section Delegate, American Academy of Pediatrics, UCONN School of Medicine

Membership in Professional and Scientific Societies

2006- Perinatal Research Society

2005- American Thoracic Society

2003- Society for Pediatric Research

2000- Eastern Society for Pediatric Research
 1999- Fellow, American Academy of Pediatrics
 1990- Life Member, National Neonatology Forum (India)
 1990- Life Member, Indian Academy of Pediatrics
 2000-2002 American Association for the Advancement of Science
 1998-2001 Philadelphia Perinatal Society
 1994-1999 American Academy of Pediatrics
 1994-1997 American Medical Association

RESEARCH

Advisor postdoctoral Trainees

2003-Pres.	A. Nerlinger	Medical Student (Yale)	
2003-Pres.	L. McDonald	Medical Student (Yale)	
2002-Pres.	A. Kulkarni	Medical Student (Yale)	
2007-Pres.	O. Levit	Neonatal Fellow (Yale)	
2007-Pres.	A. Thompson	Neonatal Fellow (Yale)	
2006-2008	I. Streimish	Neonatal Fellow (Yale)	Neonatal Fellow (2008-2009) Tufts University, Boston, MA
2005-2007	A. Harijith	Research Associate (Yale)	Neonatal Fellow (2007-2010) Columbia University, New York, NY
2003-2006	A. Shetty	Neonatal Fellow (Yale)	Attending Neonatologist Kaiser Permanente Hospital Oakland, CA
2002-2005	M. Bizzarro	Neonatal Fellow (Yale)	Asst. Prof. of Pediatrics Yale-New Haven Children's Hospital New Haven, Connecticut
2001-2004	J. Nedrelow	Neonatal Fellow (Yale)	Attending Neonatologist Cook Children's Hospital Fort Worth, Texas
2002-2003	T. Macdonald	PA student (Yale)	Dept. of Surgery, MGH, Boston, MA
2000-2001	R. Santin	Neonatal Fellow (AEMC)	Private practice, Pediatrics (J-1 waiver)
1999-2002	R. Gavino	Neonatal Fellow (AEMC)	Private practice, Pediatrics (J-1 waiver)

1999-2001	S. Chin	Resident Peds (AEMC)	Private practice, Pediatrics (PA)
1999-2001	B. Gonzalez	Resident Med-Ped (AEMC)	Pediatric Infectious Disease Fellow Baylor Col. of Med., Houston, TX
1999-2001	C. Mercado	Neonatal Fellow (AEMC)	Attending Neonatologist Columbus Children's Hospital Columbus, Ohio
1998-2000	M. Nabeel	Neonatal Fellow (AEMC)	Attending Neonatologist (Texas)
1998-1999	M. Akram Khan	Neonatal Fellow (AEMC)	Assistant Professor, Univ. of S.Dakota, Valley Children's Hospital, Sioux Falls, SD
1997-1998	Kirin N Suri	Neonatal Fellow (UCONN)	Attending Neonatologist UCONN, Farmington, CT

Grant Support

1. NIH/NHLBI (K08 HL074195). \$614,770 (direct costs). Angiogenic Agents and Alveolar Injury. 7/03-12/08. **PI: Vineet Bhandari, MD.**
2. American Heart Association/Heritage Affiliate Grant-in-Aid (0755843T). \$198,000. Angiogenic Agents in Alveolar Maturation. 7/1/07-6/30/10. **PI: Vineet Bhandari, MD.**
3. American Thoracic Society/Unrestricted Research Grant (ATS-07-005). \$100,000. Role of Angiotensin 2 in Hyperoxia-induced Lung Injury in the Newborn. 1/1/08-12/31/09. **PI: Vineet Bhandari, MD.**
4. NIH/NINR (RO1 NR010015-01A2). \$1,780,000. Protective effects of delayed cord clamping in very low birth weight infants. 2/1/08- 3/31/13. PI: Judith Mercer, MD. **Collaborator: Vineet Bhandari, MD.**
5. Canadian Institutes of Health Research. \$2,233,100. "Nasal Ventilation in Preterms (NIP) Trial". 10/06-9/09. PI: Haresh Kirpalani, MD. **Consultant: Vineet Bhandari, MD.**
6. NIH (K30 1U54RR023423-01 Yale University). Clinical and Translational Science Award. Angiotensin 2 in severe sepsis and septic shock. \$156,726. 3/1/07- 9/30/08. PI: Jonathan Siner, MD. **Collaborator/Scientific Advisor: Vineet Bhandari, MD.**
7. NIH (COBRE Grant P20 RR 020173-02, Nemours Center for Pediatric Research). "Oxygen and Barotrauma effects on Human Airway Epithelium." 5/07-6/08. Target Investigator: Aaron C. Chidekel, MD. **Mentor: Vineet Bhandari, MD.**
8. NIH/NICHHD-sponsored Young Investigator. Travel Award to attend the Perinatal Research Society Annual Meeting, 2005. **PI: Vineet Bhandari, MD.**
9. Pediatric Academic Societies. Young Investigator's Travel Awards. \$500 and complimentary meeting registration to attend the PAS Annual Meeting, 2005. Fellow: Anupama Shetty, MD, **PI: Vineet Bhandari, MD.**
10. American Society of Clinical Investigation/Association of American Physicians. \$750. Travel scholarship to the

Joint Meeting in Chicago, IL. April 15-17, 2005. **PI: Vineet Bhandari, MD.**

11. Assembly on Allergy, Immunology and Inflammation. \$357. Travel grant for the American Thoracic Society International Conference in Orlando, FL. May 21-26, 2004. **PI: Vineet Bhandari, MD.**
12. Wilbur G Downs International Health Student Travel Fellowship. \$5000. "Maternal perception of illness in her newborn: a comparative analysis between India and United States. Medical Student: Andrew Nerlinger. Overseas Sponsor: Anil Narang, MD. **Yale Sponsor: Vineet Bhandari, MD.**
13. Curosurf Study Grant Program. \$ 10,000. "SURF-N-SAVE: SURFactant iNstillation and naSAI VEntilation: A randomized, controlled trial of synchronized nasal ventilation versus conventional ventilation in neonates with Respiratory Distress Syndrome." 1/02-12/04. **PI: Vineet Bhandari, MD.**
14. Einstein Society, Grant No. 01-01. \$35,000. "SURF-N-SAVE: SURFactant iNstillation and naSAI VEntilation: A randomized, controlled trial of synchronized nasal ventilation versus conventional ventilation in neonates with Respiratory Distress Syndrome." 7/01-6/02. **PI: Vineet Bhandari, MD.**
15. Advancing Newborn Medicine Grant Program. \$7500. "SURF-N-SAVE: SURFactant iNstillation and naSAI VEntilation: A randomized, controlled trial of synchronized nasal ventilation versus conventional ventilation in neonates with Respiratory Distress Syndrome." 4/01. Fellow: Roman R. Gavino, MD. **PI: Vineet Bhandari, MD.**
16. Dey L.P. \$5000. Unrestricted educational grant. 12/00. **PI: Vineet Bhandari, MD.**
17. Discovery Laboratories (KL4-MAS-03). Start up expenses: \$3000. \$4000/case; \$3000/control. "A multicenter, randomized, controlled trial comparing the safety and effectiveness of bronchoalveolar lavage with Surfaxin to standard care for the treatment of the meconium aspiration syndrome in newborn infants." 8/00-7/01. **Study site (AEMC) PI: Vineet Bhandari, MD.**
18. NIH/NICHD (RO1HD36484). \$318,000. The N.E.O.P.A.I.N. Multicenter Trial. 6/99-5/02. **PI: K.S. Anand D.Phil., MD. Study site (AEMC) PI: Vineet Bhandari, MD.**
19. Nemours Foundation. \$124, 600. "Leptin regulation of lung surfactant expression". 4/99-3/01. **PI: Avinash Chander, PhD; Vicky Funanage, PhD; Sandra Hassink, MD. Collaborator: Vineet Bhandari, MD.**
20. Forest Pharmaceuticals Inc. \$3,000. Unrestricted educational grant. 5/00. **PI: Vineet Bhandari, MD.**
21. Einstein Society, Grant No. 99-01. \$25,000. "Adult and Fetal Type II Pneumocytes Response to Nitric Oxide Exposure". 7/99-6/00. **PI: Vineet Bhandari, MD.**
22. Department of Pediatrics, AEMC Research Grant. \$14,000. "Adult Type II Pneumocytes Response to Nitric Oxide Exposure". 7/98-6/99. **PI: Vineet Bhandari, MD.**

PUBLICATIONS

Book

1. Manual of Neonatology. Ed: **Bhandari, V.** Peepee Publishers and Distributors (P) Ltd. New Delhi, India. 2008 (ISBN: 8445-048-6).

Book Chapters

1. **Bhandari V.** Genetics of Bronchopulmonary Dysplasia. In: Abman, S ed. Bronchopulmonary Dysplasia. Informa Healthcare USA, Inc.; 2008 (in press).
2. Maniscalco WM, **Bhandari V.** Disruption of Lung Microvascular Development. In: Abman, S, ed. Bronchopulmonary Dysplasia. Informa Healthcare USA, Inc.; 2008 (in press).
3. **Bhandari V.** Bronchopulmonary Dysplasia. In: **Bhandari, V,** ed. Manual of Neonatology. Peepee Publishers and Distributors (P) Ltd. New Delhi, India. 2008 (ISBN: 8445-048-6).
4. **Bhandari V.** Hyperbilirubinemia. In: **Bhandari, V,** ed. Manual of Neonatology. Peepee Publishers and Distributors (P) Ltd. New Delhi, India. 2008 (ISBN: 8445-048-6).
5. Ballabh P, **Bhandari V.** Intraventricular Hemorrhage and Periventricular Leukomalacia. In: **Bhandari, V,** ed. Manual of Neonatology. Peepee Publishers and Distributors (P) Ltd. New Delhi, India. 2008 (ISBN: 8445-048-6).
6. Maheshwari A, **Bhandari V.** Necrotizing Enterocolitis. In: **Bhandari, V,** ed. Manual of Neonatology. Peepee Publishers and Distributors (P) Ltd. New Delhi, India. 2008 (ISBN: 8445-048-6).
7. **Bhandari V.** Neonatal Jaundice. In: Point of care; BMJ Publishing. 2008 <http://bmj-preview.epocrates.com/dx/full.do?Type=1&MonographId=672>.
8. **Bhandari V.** Newer Modalities of Management. In: Dutta, S, Narang, A, eds. Neonatal Jaundice. Proceedings of the Fourth Single Theme Workshop in Neonatology (August 18-19, 2007, APC, PGIMER, Chandigarh, India). 2007. Pp 72-78.
9. Maheshwari A, **Bhandari V.** Neonatal necrotizing enterocolitis. Articles on Neonatology. 2005; <http://www.neonatologywithvision.com/nec.asp>
10. Bizzarro MJ, **Bhandari V.** Nitric Oxide. In Wnek GE, Bowlin GL, eds. Encyclopedia of Biomaterials and Biomedical Engineering. Marcel Dekker. Inc.; 2004. Pp 1075-1083.
11. **Bhandari V.** High frequency ventilation in premature neonates with respiratory distress syndrome: does it make a difference? In: Singhi S, ed. Current concepts in pediatric intensive care. Chandigarh: Relume Printec; 2000. Pp 54-63.
12. **Bhandari V.** Cytokines in neonatal sepsis: diagnostic and therapeutic considerations. In: Singhi S, ed. Current concepts in pediatric intensive care. Chandigarh: Relume Printec; 2000. Pp 92-107 .

Original Articles

1. Bhandari A, **Bhandari V.** State-of-the-art review article. Pitfalls, problems and progress in bronchopulmonary dysplasia. *Pediatrics* 2008 (in press).

2. **Bhandari V**, Zhou G, Bizzarro M, Buhimschi C, Hussain N, Gruen J, Zhang H. The genetic contribution to patent ductus arteriosus in the premature newborn. *Pediatrics* 2008 (in press).
3. Park A, Latif SU, Shah Au, Tian J, Werlin S, Hsiao A, Pashankar D, **Bhandari V**, Nagar A, Husain SZ. Changing referral trends of acute pancreatitis in children: A 12-year single-center analysis. *J Pediatr Gastroenterol Nutr* 2008 (in press).
4. Buhimschi CS, Dulay AT, Abdel-Razeq SS, Zhao G, Lee S, Hodgson EJ, **Bhandari V**, Buhimschi IA. Fetal inflammatory response in women with proteomic biomarkers characteristic of intra-amniotic inflammation and preterm birth. *BJOG* 2008 (in press).
5. Siner JM, **Bhandari V**, Engle KM, Elias JA, Siegel MD. Elevated serum Angiopoietin -2 levels are associated with increased mortality in sepsis. *Shock* 2008 Sep 11. [Epub ahead of print].
6. **Bhandari V**, Choo-Wing R, Lee CG, Yusuf K, Nedrelow JH, Ambalavanan N, Malkus H, Homer RJ, Elias JA. Developmental regulation of NO-mediated VEGF-induced effects in the lung. *Am J Respir Cell Mol Biol* 2008;39:420-430.
7. Thompson A, **Bhandari V**. Pulmonary biomarkers of bronchopulmonary dysplasia. *Biomarker Insights* 2008;3:361-373.
8. **Bhandari V**. Making babies breathe better – hopeful signals? *Pediatr Res* 2008;64:123-124.
9. Buhimschi CS, Abdel-Razeq SS, Cackovic M, Pettker CM, Dulay AT, Bahtiyar MO, Zambrano E, Martin R, Norwitz ER, **Bhandari V**, Buhimschi IA. Fetal heart rate monitoring patterns in women with amniotic fluid proteomic profiles indicative of inflammation. *Am J Perinatol* 2008;25:359-372.
10. **Bhandari V**. Molecular mechanisms of hyperoxia-induced acute lung injury. *Front Biosci* 2008;13:6653-6661.
11. Dulay AT, Buhimschi IA, Zhao G, Luo G, Abdel-Razeq SS, Cackovic M, Rosenberg VA, Pettker CM, Thung SF, Bahtiyar MO, **Bhandari V**, Buhimschi CS. Nucleated red blood cells are a direct response to mediators of inflammation in newborns with early onset neonatal sepsis. *Am J Obstet Gynecol* 2008;198:426.e1-9.
12. Buhimschi CS, Turan OM, Funai EF, Azpurua H, Bahtiyar, MO, Turan S, Zhao G, Dulay A, **Bhandari V**, Copel JA, Buhimschi IA. Fetal adrenal gland volume and cortisol/dehydroepiandrosterone sulfate ratio in inflammation-associated preterm birth. *Obstet Gynecol* 2008;111:715-722.
13. Kevill K, **Bhandari V**, Kettunen M, Leng L, Fan J, Mizue Y, Dziura J, Reyes-Mugica M, McDonald C, Baugh J, O'Connor C, Aghai Z, Donnelly S, Bazy-Asaad A, Bucala R. A role for macrophage migration inhibitory factor in the neonatal respiratory distress syndrome. *J Immunol* 2008;180:601-608.
14. **Bhandari V**, Wang C, Rinder C, Rinder H. Hematologic profile of sepsis in neonates: Neutrophil CD64 as a diagnostic marker. *Pediatrics* 2008;121:129-134.
15. Aghai Z, Faqiri S, Saslow JG, Nakhla T, Kumar A, Eydelman R, Strande L, Stahl G, Leone P, **Bhandari V**. Angiopoietin 2 concentrations in infants developing bronchopulmonary dysplasia: attenuation by

dexamethasone. *J Perinatol* 2008;28:149-155.

16. **Bhandari V**, Gavino RA, Nedrelow JH, Pallela P, Salvador A, Ehrenkranz RA, Brodsky NL. A randomized controlled trial of synchronized nasal intermittent positive pressure ventilation in RDS. *J Perinatol* 2007;27:697-703.
17. **Bhandari V**, Gruen JR. The genomics of bronchopulmonary dysplasia. *NeoReviews* 2007;8:e336-e344.
18. Choo-Wing R, Nedrelow JH, Homer RJ, Elias JA, **Bhandari V**. Developmental differences in the responses of IL-6 and IL-13 transgenic mice exposed to hyperoxia. *Am J Physiol Lung Cell Mol Physiol* 2007;293:L142-L150.
19. Norwitz ER, Buhimschi IA, **Bhandari V**, Buhimschi CS. Urinary angiogenic factors: A promising screening test for preeclampsia. *Contemp Ob Gyn Technology* April 15, 2007.
20. Ravishankar V, Buhimschi CS, Booth C, **Bhandari V**, Norwitz ER, Copel JA, Buhimschi IA. Fetal nucleated red blood cells in a rat model of intrauterine growth restriction induced by hypoxia and nitric oxide synthase inhibition. *Am J Obstet Gynecol* 2007;196:482.e1-8.
21. **Bhandari V**, Elias JA. The role of Angiopoietin 2 in hyperoxia-induced acute lung injury. *Cell Cycle* 2007;6:1049-1052.
22. **Bhandari V**, Choo-Wing R, Homer RJ, Elias JA. Increased hyperoxia-induced mortality and acute lung injury in interleukin-13 null mice. *J Immunol* 2007;178:4993-5000.
23. Bizzarro MJ, **Bhandari V**, Krause DS, Smith B, Gross I. Circulating stem cells in extremely preterm neonates. *Acta Paediatr* 2007;96:521-525.
24. Buhimschi CS, Buhimschi IA, Abdel-Razeq SS, Rosenberg VA, Thung SF, Zhao G, Wang E, **Bhandari V**. Proteomic biomarkers of intra-amniotic inflammation: relationship with funistis and early-onset neonatal sepsis in the premature neonate. *Pediatr Res* 2007;61:318-324.
25. Bhandari A, **Bhandari V**. Bronchopulmonary dysplasia: an update. *Indian J Pediatr* 2007;74:73-77.
26. Buhimschi CS, **Bhandari V**, Hamar BD, Bahtiyar MO, Zhao G, Sfakianaki AK, Pettker CM, Magloire L, Funai EF, Norwitz ER, Paidas M, Copel JA, Weiner CP, Lockwood CJ, Buhimschi IA. Proteomic profiling of the amniotic fluid to detect inflammation, infection, and neonatal sepsis. *PLoS Med* 2007;4:e18.
27. **Bhandari V**, Choo-Wing R, Lee CG, Zhu Z, Nedrelow JH, Chupp GL, Zhang X, Matthay MA, Ware LB, Homer RJ, Lee PJ, Geick A, de Fougerolles AR, Elias JA. Hyperoxia causes angiopoietin-2 mediated acute lung injury and necrotic cell death. *Nat Med* 2006;12:1286-1293.
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56. Khalaf M, Brodsky NL, Hurley J, **Bhandari V**. A prospective randomized controlled trial comparing synchronized nasal intermittent positive pressure ventilation (SNIPPV) versus nasal continuous positive airway pressure (NCPAP) as mode of extubation. *Pediatr Res* 2000;47:363A (Abstract No. 2146). POSTER
57. Khalaf MN, Hurley J, **Bhandari V**. A prospective controlled trial of albuterol aerosol delivered via metered dose inhaler-spacer device (MDI) versus jet nebulizer in ventilated preterm neonates. *Pediatr Res* 2000;47:407A (Abstract No. 2406). POSTER
58. Auten KJ, Moya MP, Clark RH. Predictors of treatment success in patients reported to the Neonatal Nitric Oxide Registry* after being treated with inhaled nitric oxide. *Pediatr Res* 2000;47:387A (Abstract No. 2284; ***Bhandari V**. Study PI at participating center). POSTER
59. **Bhandari V**, Vigliotta G, Chander A. Exposure to hyperoxia and nitric oxide (NO) results in increased apoptosis and decreased surfactant synthesis in type II pneumocytes (TIIP). *Am J Respir Crit Care Med* 2000;47:407A. POSTER
60. Smulian JC, Lai YL, Shen-Schwarz S, Kashlan F, **Bhandari V**, Vintzileos AM. Intrapartum fever at term: what is the evidence for acute inflammation as an etiology? *J Soc Gynecol Investig* 2000;7:277A. POSTER
61. Khan MA, Brodsky NL, **Bhandari V**. Infants who develop bronchopulmonary dysplasia (BPD) have poor growth in the first month of postnatal (PN) life. *Pediatr Res* 1999;45:205A (Abstract No. 1200). POSTER
62. **Bhandari V**, Brodsky NL. Repetitive doses of antenatal steroids (ANS) are associated with increased gastroesophageal reflux (GER). *Pediatr Res* 1999;45:186A (Abstract No. 1088). POSTER
63. Suri K, **Bhandari V**, Holman M, Hussain N. Incidence of apnea in neonates in the post- surfactant era. *Am J Respir Crit Care Med* 1998;157:A538. POSTER
64. Suri K, **Bhandari V**, Restrepo P, Hussain N. Incidence and resolution of apnea in neonates. *Pediatr Res* 1998;43:197A (Abstract No. 1148). POSTER

65. Suri K, **Bhandari V**, Rosenkrantz T, Hussain N. Effect of birth order on hospital course in preterm multiple births. *Pediatr Res* 1997;41:181A (Abstract No. 1069). POSTER
66. Suri K, **Bhandari V**, Rosenkrantz T, Hussain N. Outcome at hospital discharge of preterm multiple births. *Pediatr Res* 1997;41:211A (Abstract No. 1253). POSTER
67. **Bhandari V**, Burke G, Fall P, Raisz L, Rowe J. C-terminal type I collagen propeptide (CICP) is a marker for development of severe BPD in preterm infants. *Pediatr Res* 1997;41:228A (Abstract No. 1356). POSTER
68. **Bhandari V**, Hussain N, Kresch M, Rosenkrantz T. Does respiratory mycoplasma colonization increase the severity of bronchopulmonary dysplasia? *Am J Respir Crit Care Med* 1996;153:A666. PLATFORM
69. **Bhandari V**, Rogerson S, Barfield C, Yu V, Rowe J. Nasal versus nasopharyngeal continuous positive airway pressure use in preterm neonates. *Pediatr Res* 1996;39:196A (Abstract No. 1163). POSTER
70. **Bhandari V**, Gagnon C, Hussain N, Rosenkrantz T. Pulmonary hemorrhage in neonates. *Pediatr Res* 1996;39:196A (Abstract No. 1162). POSTER
71. **Bhandari V**, Fall P, Rowe J, Raisz L. A comparison of 3 potential biochemical markers of growth in preterm infants. *Pediatr Res* 1996;39:305A (Abstract No. 1813). POSTER
72. **Bhandari V**, Hussain N, Kresch M, Rosenkrantz T. Respiratory mycoplasma colonization increases the incidence of severe bronchopulmonary dysplasia. *Pediatr Res* 1996;39:196A (Abstract No. 1163). POSTER
73. **Bhandari V**, Maulik N, Hussain N, Das D, Kresch MJ. Better survival of fetal vs adult type II pneumocytes in hyperoxia is not due to increases in anti-oxidant enzyme activity. *Pediatr Res* 1996;39:326A (Abstract No. 1939). POSTER
74. Smulian J, **Bhandari V**, Campbell W, Vintzileos A, Rodis J. Correlation of umbilical artery and vein levels of IL-6 and sICAM-1 with neonatal hematologic indices and early sepsis. *Am J Obstet Gynecol* 1996;174:372 (Abstract No. 219). POSTER
75. **Bhandari V**, Fall P, Rowe J, Raisz L. C-terminal type I collagen propeptide (CICP) and bone specific alkaline phosphatase (BSAP) levels in preterm infants: potential growth markers? *J Bone Mineral Res* 1995;10:S440. POSTER
76. **Bhandari V**, Maulik N, Kresch MJ, Das D. Anti-oxidant enzyme activity increases in adult type II pneumocytes exposed to hyperoxia. *Am J Respir Crit Care Med* 1995;151:A650. POSTER
77. Hussain N, **Bhandari V**, Rosenkrantz TS, Rowe J. Sepsis, surfactant and steroids: re-evaluation of their role in the changing incidence of ROP. *Pediatr Res* 1995;37:213A (Abstract No. 1265). POSTER
78. Hussain N, **Bhandari V**, Rosenkrantz TS, Rowe J. Decreasing incidence of retinopathy of prematurity in the era of surfactant. *Pediatr Res* 1995;37:261A (Abstract No. 1549). POSTER
79. **Bhandari V**, Fall P, Rowe J, Raisz L. C-terminal type I collagen propeptide levels in preterm infants: a potential growth marker. *Pediatr Res* 1995;37:302A (Abstract No. 1799). POSTER

80. **Bhandari V**, Maulik N, Kresch MJ, Das D. Hyperoxia causes increases in anti-oxidant activity in type II pneumocytes. *Pediatr Res* 1995;37:326A (Abstract No. 1943). POSTER
81. **Bhandari V**, Lu H, Pachter J, Kresch MJ. Terbutaline stimulated surfactant secretion is associated with depolymerization of F-actin in adult and fetal type II cells. *Am J Respir Crit Care Med* 1994;149:A94. POSTER
82. **Bhandari V**, Eisenfeld L, Lerer T, Holman M, Rowe J. Infants with vascular catheters and nosocomial sepsis in 2 level III NICU's: a retrospective analysis. *Pediatr Res* 1994;35:294A (Abstract No. 1747). POSTER
83. **Bhandari V**, Lu H, Pachter J, Kresch MJ. Actin depolymerization is developmentally regulated in type II cells exposed to terbutaline. *Pediatr Res* 1994;35:326A (Abstract No. 1940). POSTER
84. **Bhandari V**, Lu H, Kresch MJ. Actin subfractions and surfactant secretion in fetal rat lung type II pneumocytes. *Pediatr Res* 1993;33:318A (Abstract No. 1886). POSTER
85. **Bhandari V**, Narang A. Role of morphine or triclofos in neonatal ventilation -- a pilot study. *Bull - NNF* 1992;6(1):8-9. PLATFORM

Abstracts published - not presented

1. Bizzarro MJ, **Bhandari V**, Krause DS, Smith B, Gross I. Circulating CD34⁺ stem cells in the premature neonate and their possible role in the response to lung injury PAS 2005:57:3346. URL: www.pas-meeting.org.
2. Yusuf K, Malkus H, Dziura J, Elias J, **Bhandari V**. Human amniotic fluid VEGF levels are a reflection of lung maturity in the neonate. *Pediatr Res* 2003;53:515A (Abstract No. 2912).
3. Gavino R, Johnson L, Brodsky NL, **Bhandari V**. Early increase in IL-6 levels in ventilated premature infants (VPI) are predictive of subsequent development of chronic lung disease (CLD). *Pediatr Res* 2001;49:399A (Abstract No. 2292).
4. Khalaf MN, Porat R, Brodsky NL, **Bhandari V**. Clinical correlations preterm infants with varying severity of gastroesophageal reflux. *Pediatr Res* 2000;47:290A (Abstract No. 1710).
5. **Bhandari V**, Vigliotta G, Maulik N, Chander A. Nitric oxide does not affect surfactant synthesis but does decrease antioxidant enzyme (AOE) activity in Type II pneumocytes (TII-P). *Pediatr Res* 1999;45:295A (Abstract No. 1739).
6. Khalaf M, Brodsky NL, **Bhandari V**. A prospective randomized controlled trial comparing synchronized nasal intermittent positive pressure ventilation (SNIPPV) versus nasal continuous positive airway pressure (NCPAP) as a method of weaning infants with respiratory distress syndrome (RDS) from the ventilator. *Pediatr Res* 1999;45:204A (Abstract No. 1199).
7. **Bhandari V**, Diana D, Jain A, Rajan TV, Hussain N. Computerized interactive media programs as teaching tools in pediatrics. *Pediatr Res* 1997;41:298A (Abstract No. 1773).
8. **Bhandari V**, Burke G, Price M, Hussain N. Growth failure in infants developing severe BPD occurs by week 3 of postnatal life. *Pediatr Res* 1997;41:140A (Abstract No. 824).

9. Hussain N, **Bhandari V**, Guundlapalli A, Jain A, Rajan TV, Rosenkrantz T. A computer model for use of multimedia technology in pediatric education. *Pediatr Res* 1996;39:134A (Abstract No. 789).
10. Hussain N, **Bhandari V**, Herson VC. Perinatal factors associated with the development of “spontaneous” air leaks in term neonates. *Pediatr Res* 1995;37:213A (Abstract No. 1264).
11. Kumar V, **Bhandari V**, Burke G, Zalneraitis E, Rowe J. Differences in persistence of early abnormal muscle tone until 2 years in former 23-28 week and 29-36 week gestation infants. *Pediatr Res* 1995;37:382A (Abstract No. 2272).

EDUCATIONAL RESPONSIBILITIES

Designated as a Neonatal Resuscitation Program Instructor (hospital based) as per AAP and AHA on 2/18/93.

OTHER PROFESSIONAL ACTIVITIES

Participation in post-graduate courses

Invited participant. 10th Annual NICHD Conference (Maternal-Fetal-Neonatal-Reproductive Medicine). Aspen, CO., August 26-29, 1998.

Attended The ABCs of BPD: New Perspectives on Bronchopulmonary Dysplasia, Chicago, IL, April 25, 1998.

Attended the 24th Neonatal and Infant Respiratory Symposium, Aspen, CO, March 17-20, 1997.

Participated in a Lung Biology conference at Park City, Utah, USA on June 10-13, 1993.

Designated as a Neonatal Resuscitation Program Provider as per AAP and AHA on 9/10/92.

Developmental workshop on 2/23/92 at Trivandrum, India. As a participant.

Attended a P.A.L.S. course conducted by Dr. J. S. Surpure, Professor of Emergency Medicine at Oklahoma on 10/8/91 at P.G.I.M.E.R., Chandigarh, India.

CSIO workshop on Biomedical Equipment in Neonatology held on 4/19/91 and auspices of NNF) held at Jamshedpur, India on 2/26/91 as an observer.

Annual Conference and C.M.E. of the N.W. Chapter of the I.A.P. at Ludhiana, India on 4/1/90. Attended.

National Workshop on Primary Care of the Newborn under the auspices of the NNF at Chandigarh, India. March 16-17, 1990. Participated.

N. W. Chapter IAP: Annual Conference and C.M.E. held at P.G.I.M.E.R., Chandigarh, India on 4/3/88. Attended.

Invited Presentations

Invited Lecture. Of Mice and (Wo)men: Role of Angiopoietin 2 in Respiratory and Reproductive Tissue Inflammation. Perinatal Research Meeting. Yale University School of Medicine, New Haven, CT. May 1, 2008.

Invited Plenary Presentation. Genetic Research and its Clinical Relevance in Neonatal Lung Disease. 9th European Conference on Pediatric and Neonatal Ventilation, Montreux, Switzerland. April 12, 2008.

Invited Plenary Presentation. SNIPPV: Concepts, Data and Experience. 9th European Conference on Pediatric and Neonatal Ventilation, Montreux, Switzerland. April 10, 2008

Pediatric Grand Rounds. NCPAP and SNIPPV: Something Old, Something New.....in the NICU. Kansas University Medical Center, Kansas City, KS. March 7, 2008.

Research Presentation. Bronchopulmonary dysplasia: an *alternative* vascular hypothesis. Division of Neonatology, Morgan Stanley Children's Hospital of New York-Presbyterian, Columbia University Medical Center, New York, NY. February 6, 2008.

Invited Presentation. NCPAP and SNIPPV: Something Old, Something New.....in the NICU. AIIMS, New Delhi, India. August 24, 2007.

Invited International Faculty. Newer Modalities of Management of Neonatal Jaundice. Advanced Pediatric Centre, PGIMER, Chandigarh, India. August 18, 2007.

Invited Presentation. The Genetic Susceptibility to Bronchopulmonary Dysplasia. PGIMER, Chandigarh, India. August 16, 2007.

Invited Presentation. NCPAP and SNIPPV: Something Old, Something New.....in the NICU. PGIMER, Chandigarh, India. August 14, 2007.

Invited Presentation. NCPAP and SNIPPV: Something Old, Something New.....in the NICU. Sir Ganga Ram Hospital, New Delhi, India. August 9, 2007.

Research Seminar. The role of Angiopoietin-2 in Hyperoxia-induced Acute Lung Injury. Children's Hospital/University of Alabama, Birmingham, AL. July 18, 2007.

Pediatric Grand Rounds. NCPAP and SNIPPV: Something Old, Something New.....in the NICU. Brown University/Women and Infants' Hospital/Hasboro Childrens' Hospital, Providence, RI. July 13, 2007.

Pediatric Research Colloquium. The Genetic Susceptibility to Bronchopulmonary Dysplasia. Brown University/Women and Infants' Hospital/Hasboro Childrens' Hospital, Providence, RI. July 13, 2007.

Pediatric Grand Rounds. NCPAP and SNIPPV: Something Old, Something New.....in the NICU. Stony Brook University Medical Center, SUNY, Stony Brook, NY. March 14, 2007.

Research Seminar. Angiopoietin-2 and Hyperoxia-induced Acute Lung Injury. Children's Medical Center/The University of Texas Southwestern Medical Center, Dallas, TX. February 8, 2007.

Research Seminar. The Genetic Susceptibility to Bronchopulmonary Dysplasia. Children's Hospital at Montefiore/Albert Einstein College of Medicine, Bronx, NY. June 6, 2006.

Invited Lecture. RDS and BPD. Maternal-Fetal Medicine Fellows' Conference, Yale University School of Medicine, New Haven, CT. February 9, 2006.

Pediatric Grand Rounds. Cytokines in neonatal sepsis: diagnostic and therapeutic considerations. Norwalk Hospital, Norwalk, CT, May 31, 2005.

Invited Presentation. NCPAP and SNIPPV: Something Old, Something New.....in the NICU. Division of Neonatology, Mattel Children's Hospital at UCLA. April 12, 2005.

Invited Lecture. Angiotensin 2 and Hyperoxia-induced Acute Lung Injury. Pulmonary and Critical Care Medicine Fellows' Conference, Yale University School of Medicine, New Haven, CT. March 18, 2005.

Invited Lecture. NCPAP and SNIPPV: Something Old, Something New.....in the NICU. Neonatal Fellows' Conference, University of Connecticut Health Center, Farmington, CT. February 9, 2005.

Guest Lecture. Surfactant selection for RDS in the NICU- Which, When and Whom to treat? Carolinas Medical Center, Charlotte, NC. January 12, 2005.

Guest Lecture. Surfactant selection for RDS in the NICU- Which, When and Whom to treat? UMass Memorial Medical Center, Worcester, MA. November 17, 2004.

Pediatric Grand Rounds. Cytokines in neonatal sepsis: diagnostic and therapeutic considerations. Bridgeport Hospital, Bridgeport, CT, November 3, 2004.

Invited International Faculty. Apnea of prematurity: To treat or wait and watch? NEOCON 2004: XXIV Annual Convention National Neonatology Forum. "Hot Topics" session. October 31, Chandigarh, India.

Invited International Faculty. Bleeding in the Neonate. NEOCON 2004: XXIV Annual Convention National Neonatology Forum. "Meet the experts" breakfast session. October 31, 2004, Chandigarh, India.

Invited International Faculty. Non-invasive Ventilation. NEOCON 2004: XXIV Annual Convention National Neonatology Forum. Advanced Neonatology CME. October 29, 2004, Chandigarh, India.

Invited Lecture. Bronchopulmonary Dysplasia: from bench to bedside in babies. Division of Neonatology, Department of Pediatrics, AIIMS, New Delhi, India. August 10, 2004.

Visiting Professor Lecture. Growth factors in normal lung development. Advanced Pediatric Centre, PGIMER, Chandigarh, India. August 6, 2004.

Visiting Professor Lecture. Surfactant selection for RDS in the NICU- Which, When and Whom to treat? Advanced Pediatric Centre, PGIMER, Chandigarh, India. August 5, 2004.

Pediatric Sub-specialty Lecture. Respiratory distress in the newborn: etiology, diagnosis and management. St. Mary's Hospital, Waterbury, CT, June 16, 2004.

Guest Lecture. Surfactant selection for RDS in the NICU- Which, When and Whom to treat? Inova Fairfax Hospital for Children, Falls Church, VA. May 11, 2004.

Invited speaker. MJN New England Community Neonatology Conference. Antenatal Steroids: Is more of a good thing better? Saybrook Point Inn, Old Saybrook, CT. October 23-24, 2003.

Pediatric Grand Rounds. NCPAP and SNIPPV: Something Old, Something New.....in the NBSCU. Yale-

New Haven Children's Hospital, New Haven, CT. September 24, 2003.

Guest speaker. SURF-N-SAVE Trial. First Annual US Conference on Surfactant Replacement Therapy. The Grove Park Inn, Asheville, NC. August 15-16, 2003.

Neonatology Research Presentation. Targeting BPD: Angiogenic agents, alveolar maturity and hyperoxia-induced alveolar injury. The Children's Hospital of Philadelphia, PA, February 14, 2003.

Pediatric Sub-specialty Research Presentation. Targeting BPD: Non-invasive Ventilatory Strategies. St. Mary's Hospital, Waterbury, CT, October 2, 2002.

Pediatric Grand Rounds. Cytokines in neonatal sepsis: diagnostic and therapeutic considerations. St. Joseph's Children's Hospital, Paterson, NJ, April 23, 2002.

Neonatology Clinical Conference. Targeting BPD: Non-invasive Ventilatory Strategies. St. Christopher's Hospital for Children, Philadelphia, PA, March 21, 2002.

Neonatology Research Conference. Of Cytokines and Chronic Lung Disease: from bench to bedside in babies. St. Christopher's Hospital for Children, Philadelphia, PA, March 20, 2002.

Neonatology Research Presentation. Targeting BPD: Non-invasive Ventilatory Strategies. Lawrence and Memorial Hospital, New London, CT, February 28, 2002.

Pediatric Grand Rounds. Targeting BPD: Non-invasive Ventilatory Strategies. Norwalk Hospital, Norwalk, CT, February 5, 2002.

Guest Lecture in Pediatrics. Surfactant selection for RDS in the NICU- When and whom to treat. 16th Asia-Pacific Congress on the Diseases of the Chest, Mumbai, India, December 2, 2001.

Member, Panel Discussion on Nosocomial Infections. 16th Asia-Pacific Congress on the Diseases of the Chest, Mumbai, India, November 30, 2001.

Pediatric Grand Rounds. The evolution of pulmonary surfactant therapy. Mercy Hospital, Pittsburgh, PA, November 6, 2001.

Neonatology Research Presentation. The evolution of pulmonary surfactant therapy. University of Connecticut Health Center, Farmington, CT, October 9, 2001.

Pediatrics Research Presentation. The evolution of pulmonary surfactant therapy. Bronx Lebanon Hospital, New York, NY. June 14, 2001.

Pediatric Grand Rounds. Morbidity and Mortality - Cytokines in neonatal sepsis: diagnostic and therapeutic considerations. Albert Einstein Medical Center, Philadelphia, PA, March 20, 2001.

Perinatal Conference. Cytokines in neonatal sepsis: diagnostic and therapeutic considerations. Connecticut Children's Medical Center, Hartford, CT, October 18, 2000.

Neonatal Fellow's Conference. Targeting BPD: New Ventilatory Strategies. University of Connecticut Health Center, Farmington, CT, October 18, 2000.

Research Meeting: Targeting BPD. Interpretation and Interventions. The Children's Hospital of Philadelphia, PA, October 13, 2000.

Neonatology Research Presentation. Towards the Prevention of Bronchopulmonary Dysplasia, The Children's Hospital of Philadelphia, PA, March 28, 2000.

Pediatric Grand Rounds. Morbidity and Mortality –Heterotaxy syndrome with congenital complete heart block, Albert Einstein Medical Center, Philadelphia, PA, March 21, 2000.

Research Seminar Series 2000. Oxygen, the Type II Pneumocyte and NO: Friend or Foe?, Korman Research Pavilion, Albert Einstein Healthcare Network, Philadelphia, PA, March 9, 2000.

2nd National Conference of Pediatric Intensive Care. Cytokines in neonatal sepsis: diagnostic and therapeutic considerations. Advanced Pediatric Center, PGIMER, Chandigarh, India, February 25-27, 2000.

2nd National Conference of Pediatric Intensive Care. High frequency ventilation in premature neonates with respiratory distress syndrome: does it make a difference ?, Advanced Pediatric Center, PGIMER, Chandigarh, India, February 25-27, 2000.

Research Meeting. Oxygen, the Type II Pneumocyte and NO: Friend or Foe?, The Children's Hospital of Philadelphia, PA, February 2, 2000.

Neonatology Research Conference. O₂, the Type II Pneumocyte and NO: Friend or Foe?, St. Christopher's Hospital for Children, Philadelphia, PA, December 14, 1999.

Research Seminar Series. Oxygen, the Type II Pneumocyte and NO: Friend or Foe?, A.I. duPont Hospital for Children, Wilmington, DE, May 13, 1999.

Pediatric Grand Rounds. Inhaled Steroids in the Management of BPD, Albert Einstein Medical Center, Philadelphia, PA, March 23, 1999.

Pediatric Grand Rounds. Towards the Prevention of Bronchopulmonary Dysplasia, Albert Einstein Medical Center, Philadelphia, PA, September 22, 1998.

Pediatric Grand Rounds. Morbidity and Mortality – Choledochal Cyst in the Newborn, Albert Einstein Medical Center, Philadelphia, PA, September 15, 1998.

Presented 2 papers at the Joint Community Grand Rounds Residents (Pediatric) Research Presentations at the Hartford Medical Society, Hartford, Connecticut, USA. June 7, 1994. (Published in Connecticut Medicine 1995;59:17-18).