

Curriculum Vitae

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Linda J. Van Marter

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Place of Birth: Pittsburgh, PA - USA

Education

1972	R.N.	Massachusetts General Hospital School of Nursing, Boston, MA
1976	B.S.	University of Pittsburgh, Pittsburgh, PA
1980	M.D.	University of Pittsburgh School of Medicine, Pittsburgh, PA
1985	M.P.H.	Harvard School of Public Health (Epidemiology), Boston, MA

Postdoctoral Training

Internship and Residency

1980-1983	Pediatrics	Children's Hospital Medical Center Boston, MA
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Research Fellowship

1983-1986	Neonatology	The Joint Program in Neonatology, Harvard Medical School, Boston, MA
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Licensure and Certification

1972	Pennsylvania R.N. License
1983	Massachusetts Medical License
1985	American Board of Pediatrics, Certified in Pediatrics
1985	American Board of Pediatrics, Certified in Neonatal-Perinatal Medicine

Academic Appointments

1986-1990	Instructor in Pediatrics, Harvard Medical School
1990-2002	Assistant Professor of Pediatrics, Harvard Medical School
2002-present	Associate Professor of Pediatrics, Harvard Medical School

Hospital Appointments

1986-1988	Courtesy Staff Pediatrician - Neonatology, The Cambridge Hospital
1986-1988	Courtesy Staff Pediatrician - Neonatology, Mt. Auburn Hospital
1986-1997	Assistant in Medicine (Newborn Medicine), Children's Hospital
1986-present	Neonatologist, Brigham and Women's Hospital
1997-present	Associate in Medicine (Newborn Medicine), Children's Hospital
1986-present	Senior Pediatrician, Beth Israel Hospital
1986-present	Courtesy Staff Pediatrician - Neonatology, Newton-Wellesley Hospital
1991-present	Courtesy Staff Pediatrician - Neonatology, Winchester Hospital

Hospital and Health Care Organization Clinical Responsibilities

1984-present	Neonatology Coverage Group	Newton Wellesley Hospital
1986-1996	Neonatology – Clinical Faculty	Joint Program in Neonatology, Harvard Medical School
1996-present	Neonatology – Clinical Faculty	Division of Newborn Medicine, Department of Pediatrics, Harvard Medical School
1996-present	Neonatology Core Group	Brigham and Women's Hospital

Major Administrative Responsibilities

1985-1986	Medical Coordinator, Neonatal Transport Team Children's Hospital
1989-1997	Director, Newborn Medicine Quality Improvement Program Children's Hospital
1995-2000	Director, Newborn Medicine Community Outreach and Education Program Children's Hospital
1998-1999	Acting Associate Director Special Care Nursery South Shore Hospital
2000-present	Co-director, Resident Advisor Program Boston Combined Residency Program in Pediatrics
2006-present	Associate Program Director GCRC, Brigham and Women's Hospital

Major Committee Assignments

Hospital

1984-1990	Perinatal Mortality Committee, Brigham and Women's Hospital
1986-present	Resident Advisor Committee
1986-1987	Transport Task Force, Children's Hospital
1986-1988	Medical Staff Advisor, Neonatal Transport Team, Children's Hospital
1986-1999	NICU Committee, Children's Hospital
1986-1994	Quality Assurance Advisor, Department of Newborn Medicine, Brigham and Women's Hospital
1987-1988	Pediatric Credentials Committee, Brigham and Women's Hospital
1989-2000	Chair, Occurrence Review Committee, Division of Newborn Medicine
1993-present	Clinical Research Committee, Division of Newborn Medicine
1994-1997	Ethics Committee, Brigham and Women's Hospital
2000	Resident Advisor Work Group, Boston Combined Residency Program in Pediatrics
2001-2004	Ethics Advisory Committee, Children's Hospital
2000-present	Co-director, Resident Advisor Program, Boston Combined Residency Program in Pediatrics
2001-present	Committee on Clinical Investigation, Children's Hospital (full member)
2002-present	Human Research Committee, Brigham & Women's Hospital (alternate member)
2004-2006	CGRC Scientific Advisory Committee, Brigham & Women's Hospital
2006-present	GCRC Executive Committee, Brigham & Women's Hospital

Memberships, Offices, and Committee Assignments in Professional Societies

1979-present	Alpha Omega Alpha
1985-present	American Academy of Pediatrics Section on Perinatal Pediatrics, Section on Epidemiology <ul style="list-style-type: none">• 1996-present: Neo-PREP Work Group• 1996-present: Liaison, Society for Pediatric and Perinatal Epidemiologic Research and AAP Section on Epidemiology• 1999-present: District I Representative, Perinatal Section Executive Committee• 1998-2002: Chair, Database Subcommittee, Perinatal Section Executive Committee• 1999-2000: Program Chair, Perinatal Section, AAP 2000 Annual Meeting• 2001-2003: Planning Committee Chair, NeoPREP '03
1985-present	Society for Epidemiologic Research
1986-present	Physicians for Social Responsibility
1987-present	Society for Pediatric Epidemiologic Research <ul style="list-style-type: none">• 1987-91: Secretary-Treasurer• 1992-93: President• 1996-2003: AAP Epidemiology Section Liaison
1989-present	American Public Health Association
1991-present	Eastern Society for Pediatric Research

- 1998-2003: Council Member

1993-present	The Society for Pediatric Research
1995-present	European Society for Pediatric Research
2003-present	Perinatal Research Society
2004-present	American Pediatric Society

Editorial Boards

2004-present	<i>Journal of Maternal-Fetal and Neonatal Medicine</i>
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Journal Reviewer

1988-present	<i>Journal of Pediatrics</i>
1991-present	<i>Pediatrics</i>
1993-present	<i>American Journal of Public Health</i>
1994-present	<i>Paediatric and Perinatal Epidemiology</i>
1995-present	<i>New England Journal of Medicine</i>
1996-present	<i>Environmental Health Perspectives</i>
1997-present	<i>Journal of Perinatology</i>
1999-present	<i>Epidemiology</i>

Awards and Honors

1979	Alpha Omega Alpha
1980	Richard L. Day Award in Pediatrics, University of Pittsburgh School of Medicine
1985	Mellon Foundation Award
1984	Election to Society for Pediatric Research
2005	Merton S. Bernfield Neonatology Fellows' Mentoring Award, Harvard Medical School

Research, Teaching, and Clinical Contributions : HMS Structured Narrative Report

Research

As the first member of the Division of Newborn Medicine to pursue training and a research career in neonatal epidemiology, I chose to study two important cardiopulmonary conditions: Chronic Lung Disease (CLD) and Persistent Pulmonary Hypertension of the Newborn (PPHN).

My research group was first to describe the association between maternal use of nonsteroidal antiinflammatory medications during pregnancy and increased risk of PPHN. For the past seven years, I have collaborated with Dr. Allen Mitchell and colleagues at Boston University's Slone Epidemiology Unit on a larger multi-center study expanding on our initial hypothesis and extending it to also evaluate the postnatal effects of SSRI use in pregnancy. Past clinical research collaborations include work with Dr. Stella Kourembanas and colleagues at Children's Hospital in a clinical trial of inhaled nitric oxide therapy for PPHN.

My current research program aims to identify preventable antecedents of CLD, the most prevalent long-term morbidity of surviving preterm infants. My fascination with the interface between biology and clinical practice led me to focus on disease causation as a function of the interactions among fetal development, neonatal physiology, and clinical management. My collaboration with Dr. Alan Leviton on studies of neonatal neurological conditions provided the opportunity to extend these studies toward development of a research program focused on the epidemiology of chronic lung disease. Evaluating these data, my research group discovered increased risk of CLD associated with excessive fluid administration and aggressive mechanical ventilation. Our analyses of the impact of glucocorticoid treatment in the pre- and post-surfactant eras yielded contradictory results. More recent analyses evaluated the interactions among prenatal infection, sepsis, and mechanical ventilation in CLD pathogenesis. We are now engaged in collaborative projects with a number of laboratory scientists to assess the role of genomics in pulmonary development and pulmonary parenchymal and vascular responses to injury among our population of preterm infants.

I direct the Clinical and Biostatistical Core for the Children's Hospital Specialized Center of Research, "The Response of the Perinatal Lung to Injury: Injury, Inflammation, and Repair," (PI: S. Kourembanas). The SCOR Core group has recruited >800 study subjects <29 weeks' gestation and collected extensive clinical data as well as sequential biological samples for cytokine analyses. In our first bioassay paper, neonatology colleague Anne Cullen and senior author Mary Sunday reported the association between elevated neonatal urine bombesin-like-peptide levels in the first postnatal days and increased risk of CLD. We currently are analyzing the role of bilirubin, a powerful antioxidant, Heme oxygenase-1 polymorphisms, and vascular factors in BPD pathogenesis. We also have designed a clinical project to prospectively evaluate pulmonary hypertension among preterm infants with BPD.

I am a founding member, past-secretary-treasurer, past-president, former AAP liaison of the Society for Pediatric and Perinatal Epidemiologic Research, a past Council member of the Eastern Society for Pediatric Research, and an abstract reviewer, session moderator, and featured speaker for the Pediatric Academic Societies' Neonatology and Neonatal Epidemiology sections for more than 5 years.

Teaching and Academic Leadership

My formal teaching contributions at Harvard include participation in the Newborn Medicine Clinical Conferences, Core Curriculum, and Basic Science and Clinical Correlation Series, Perinatal Epidemiology Lecture Series, and invited lectures for parent groups and other Harvard departments, including Intensive Care Specialists at Children's Hospital, Obstetrics and Gynecology at Brigham & Women's Hospital, and Pediatric Surgery at Children's Hospital.

For six years, I directed the Children's Hospital Newborn Medicine Community Outreach and Education Program. In this role, I organized scores of educational programs for community physicians and nurses and founded an educational newsletter for >700 regional pediatricians as well as a parent lecture series, in collaboration with NICU Parent Support, Inc. I am a past member of the Children's Hospital Ethics Advisory Committee. Currently, I am a member of the Children's Hospital Committee for the Protection of Human Subjects from Research Risks, an alternate member of the Human Research Committee at Brigham and Women's Hospital. Further, I have served for three years on the Brigham and Women's Hospital General Clinical Research Center Scientific Advisory Committee and now will join the BWH GCRC Executive Committee as the GCRC Associate Director for Research in Newborn Medicine.

Nationally, I am the chair-elect of the American Academy of Pediatrics (AAP) Perinatal Section Executive Committee, the group that leads more than 3,000 Academy neonatologists. I have completed two 3-year terms as the District I representative to the Perinatal Section Executive Committee. I hold past chair positions for the AAP Perinatal Section Database Subcommittee and the NeoPREP working group. In 2000, I was the Program Chair for the two-day American Academy of Pediatrics Section on Perinatal

Section annual meeting, which featured platform and poster abstract sessions, four state-of-the-art lectures, and a half-day joint session with the Section on Infectious Diseases.

From an international perspective, in 1999, I served as a Neonatology consultant for a Harvard Medical International assessment of perinatal care in Medellin, Colombia. In November 2000, I was an invited speaker at a national pediatric conference in Tirana, Albania. I am an invited speaker for a June 2006 international conference in perinatal-neonatal pulmonary medicine that will be held in Oslo, Norway.

Clinical Contributions

I am a member of the Newborn Intensive Care (NICU) Core Group of the Brigham and Women's Hospital (BWH), the largest Harvard perinatal-neonatal service, accommodating 9-10,000 births per year, a substantial proportion of which are designated high-risk. My annual BWH NICU coverage includes 3 months of daytime clinical service and 10-12 daytime weekends of coverage. The BWH attending physician role typically demands long, intense workdays, encompassing direct involvement in hands-on patient and family care, and bedside teaching of medical students, pediatric residents, and neonatology fellows. During a typical month, the NICU team supervised includes: one neonatology fellow (3 additional night-coverage fellows), two-four PL-1 or PL-2 residents, +/- medical students and extramural and international observers. Faculty responsibilities at Brigham and Women's Hospital also require in-house night coverage 12 months of the year. In this capacity, I am responsible for in-hospital coverage on 3 (15-hour) weeknights and 1 (24-hour) weekend day per month --approximately one in-house night per week, in addition to 4-5 supplemental daytime weekend coverage. In addition, our attending group provides night-coverage at Newton-Wellesley Hospital where I work 1-2 in-hospital nights per month.

In 1999-2000, I served as acting Associate Director to the South Shore Hospital Special Care Nursery, providing clinical care, in-house night coverage, and managing Neonatology scheduling.

Advising and Mentoring

Over the past 19 years, I have been an advisor to a total of 32 pediatric residents at Children's Hospital. Since 2000, I have been co-chair of the Resident Advisor Committee for the Boston Combined Residency Program in Pediatrics. I have mentored nine undergraduate and medical students enrolled in the Newborn Medicine Summer Student Research Program and I have been research co-mentor for three and primary mentor for three neonatology fellows. In June 2005, I was honored by the 18 neonatology fellows as the recipient of the Merton S. Bernfield Mentoring Award.

Research Funding

Past:	1988-1990	Charles A. King Trust Fellowship The Medical Foundation Epidemiology of Bronchopulmonary Dysplasia
	1988-1991	NIH 1 RO1/HL40454-01A1 PI: Linda J. Van Marter Antecedents of Bronchopulmonary Dysplasia
	1991-1993	American Heart Association PI: Linda J. Van Marter Grant-in-Aid Epidemiology of Idiopathic Neonatal Pulmonary Hypertension
	1991-1996	NIH 1 RO1/NS27306-01A1 PI: Alan Leviton The Epidemiology of Neonatal White Matter Disorders

Role: Principal Investigator, Brigham & Women's Hospital

1991-1996 NIH 1 P50/HL46491-01 PI: Merton Bernfield
SCOR-Lung Biology and Diseases in Infants and Children
Role: Principal Investigator of Project, "Epidemiology of Persistent Pulmonary Hypertension of the Newborn"

1991-1996 NIH 1 T32/HD07392-01 PI: Marie C. McCormick
Training in Epidemiology of Diseases of the Newborn

1996-2001 NIH 1 P50 HL56398 PI: Merton Bernfield
SCOR-Response of the Perinatal Lung to Injury
Role: Director, Clinical and Biostatistical Core

1997-2003 NIH 1 R01 HL58763 PI: Allen Mitchell
NIH-NSAIDs and Pulmonary Hypertension
Role: Principal Investigator, Brigham & Women's Hospital

Current: 2001-2006 NIH 1 PO1 HL67669-01 PI: Stella Kourembanas
SCOR-Inflammation and Perinatal Lung Injury
Role: Director, Clinical and Biostatistical Core

2001-2006 NIH 1 U01 N540069-01A2 PI: Alan Leviton
Multicenter Study: Biomarkers of Brain Damage in Newborns
Role: Principal Investigator Brigham & Women's Hospital

Pending: 2006-2011 PI: Stella Kourembanas
SCOR-Pulmonary Vascular Responses of the Developing Lung
Role: Director, Clinical and Biostatistical Core

2006-2011 PI: Stella Kourembanas
SCOR-Pulmonary Vascular Responses of the Developing Lung
Role: Project 5 PI: Pulmonary Hypertension and Vascular Genomics Among Extremely Preterm Infants

Current Projects

Population based study: Biomarkers of brain damage in preterm infants (Principal investigator at Brigham & Women's Hospital; Co-investigator on BPD study extension)

Population based study: Cytokines and Chronic Lung Disease among low gestational age infants. Role: Director, Clinical and Biostatistical Core Group for the Specialized Center of Research (SCOR), "Response of the Perinatal Lung to Injury"

Report of Teaching

Hospital Courses

1983-present

Children's Hospital

Provide didactic and bedside sessions of topics related to Newborn Medicine for

residents rotating at Brigham and Women's Hospital Newborn Intensive Care Unit
Give monthly lectures to BWH residents on Respiratory Failure in Term Newborns and Persistent Pulmonary Hypertension of the Newborn.

- 1985-1988 **Children's Hospital**
Designed and led introductory lectures in Epidemiology for fellows and attendings of the Joint Program in Neonatology, Harvard Medical School
- 1986-2000 **Community Hospitals**
Presented lectures in ethics, neonatal resuscitation and stabilization, meconium aspiration, outcomes of NICU graduates, and the care of well premature infants.
- 1989-present **Children's Hospital**
Lecture and provide case presentations regarding study biases, biostatistics, ethics, technology assessment, and Persistent Pulmonary Hypertension of the Newborn for the neonatology fellows' Basic Science and Clinical Correlation Lecture Series
- 1992-present **Children's Hospital and Brigham and Women's Hospital**
Present lectures on meconium aspiration Persistent Pulmonary Hypertension, and respiratory failure for the Newborn Medicine Core Lecture Series for residents

Invited Presentations

Local

- July 1993 Careers in Neonatology, Harvard Medical School Summer Research Program for High School Students
- January 1994 Faculty Development at Harvard Medical School, Harvard Medical School Faculty Council, Boston, MA
- February 1995 What's New in Neonatology: Liquid Ventilation, Surgery Grand Rounds, Children's Hospital, Boston, MA
- November 1995 Beyond the NICU: VLBW Outcomes, NICU Parent Support, Inc. Presentation, Boston, MA
- April 1997 Outcomes Among NICU Graduates: The Early Years, NICU Parent Support, Inc. Presentation, Boston, MA
- April 1999 Neonatal Outcomes and Infant Follow-up, Pediatric Grand Rounds, Metrowest Framingham Medical Center
- November 2000 Chorioamnionitis and the Risk of Chronic Lung Disease: Perinatal Epidemiology & Health Policy Conference, Beth-Israel Deaconess Medical Center
- December 2001 Evidence-Based Approach to Understanding Chronic Lung Disease: Perinatal Epidemiology & Health Policy Conference, Beth-Israel Deaconess Medical Center

- March 2003 BPD: Basic Science & Clinical Pragmatism. Perinatal Epidemiology Conference, Beth Israel Deaconess Medical Center
- June 2003 Epidemiology of BPD. Perinatal Epidemiology Conference, Beth Israel Deaconess Medical Center
- October 2003 Neurological Sequelae of Intrauterine Inflammation, Harvard Newborn Medicine Clinical Research Conference.
- October 2003 Perinatal Inflammation and Brain and Pulmonary Development, Brigham & Women's Hospital Newborn Intensive Care Research Conference

Regional, National, or International Contributions

- September 1986 Pathophysiology of Chronic Pulmonary Disease of Prematurity, Brigham and Women's Hospital sponsored conference: Current Issues Related to Chronic Pulmonary Disease in the Neonate
- October 1986
and
May 1987 Identifying Clinical Decompensation of the Neonate, Brigham and Women's Hospital/Wyeth Laboratories-sponsored conference: Contemporary Issues in the Care of the Premature Infant
- October 1986 Classification of Gestational Age, Beth Israel Hospital/Wyeth Laboratories-sponsored conference: Neonatal Physical and Behavioral Characteristics
- March 1988 Premature Rupture of the Fetal Membranes at or Before 26 Weeks of Gestation, Harvard Medical School: Postgraduate Course in Maternal-Fetal Medicine
- September 1993 Guest Discussant at the 19th annual New England Conference on Perinatal Research, Chatham, MA
- November 1993 Premies--Years Later, NICU Parent Support sponsored conference, The Loss of a Dream: Meeting Future Challenges
- October 1997 Neonatal Outcomes--Respiratory Perspectives, Topics in Neonatal Respiratory Care Conference, Brigham and Women's Hospital and Drager Systems
- February 1998 The Ins and Outs of the IRB Application Process, Educational Forum, The Eastern Society for Pediatric Research Meeting, Atlantic City, NJ
- February 1999 Moderator, Neonatology Platform Presentations, The Eastern Society for Pediatric Research, Atlantic City, NJ
- March 2000 Moderator, Academic Pediatrics Platform Presentations, The Eastern Society for Pediatric Research, Atlantic City, NJ
- October 2000 Moderator and Guest Discussant, New England Perinatal Society Meeting, Chatham, MA

November 2000	Risk and Prevention of Chronic Lung Disease, Albanian Perinatology Society, Tirana, Albania
May 2001	Neonatology Update and Case Discussions, PREP: The Course, American Academy of Pediatrics, Miami, FL
September 2001	Neonatology Update and Case Discussions, PREP: The Course, American (cancelled) Academy of Pediatrics, Costa Mesa, CA
March 2002	Update: Persistent Pulmonary Hypertension of the Newborn. University of California San Diego Birth Defects Study Investigators' Meeting, San Diego, CA
June 2002	Basic Science and Clinical Pragmatism: Evidenced Based Medicine and CLD. Lung Injury in the Newborn (LINK) Conference, Keystone, CO
June 2002	Update: Persistent Pulmonary Hypertension of the Newborn. Advances in Neonatal Care Conference. Boston, MA.
October 2002	Lung Injury: Prevention and Treatment. Farrokh Shahrivar Lectureship, St. Luke's-Roosevelt Medical Center, New York, NY
May 2003	Symposium Plenary: Neurological Effects of Intrauterine Inflammation. Society for Pediatric Research, Seattle, WA
May 2003	Epidemiology of Bronchopulmonary Dysplasia. 62 nd Perinatal and Developmental Medicine Symposium, Aspen, Colorado
May 2003	Balancing Basic Science and Clinical Practice: Preventing Bronchopulmonary Dysplasia. 62 nd Perinatal and Developmental Medicine Symposium, Aspen, Colorado
December 2003	The Neurological Impact of Intrauterine Infection. Pediatric Grand Rounds Columbia-Presbyterian and Children's Hospital of New York, New York, NY\
January 2004	Moderator and discussant, NICHD-AAP Workshop on Research In Neonatology
March 2004	Reactor/discussant: BPD Group, NICHD-FDA Newborn Drug Development Initiative, Bethesda, MD
March 2004	Neurologic and Pulmonary Sequelae of Intrauterine Inflammation. Issues in Neonatology 2004, Garden City, NY
October 2004	Jerry Elliot Memorial Lecture: Intrauterine Inflammation, BPD and Neonatal Neurologic Sequelae. 28 th Mid-Atlantic Conference on Perinatal Research, Charlottesville, VA.
October 2004	How to Give a Research Presentation with Focus and Pizazz. 28 th Mid-Atlantic Conference on Perinatal Research, Charlottesville, VA.

- October 2004 Biological Immaturity and Perinatal Risk: The Role of Neonatal Therapies in Bronchopulmonary Dysplasia. New Concepts in Neonatal Intensive Care. College of Physicians and Surgeons Columbia University, New York, NY
- October 2005 Clinical Aspects of BPD Prevention. The Fetus and Newborn: State of the Art Care, Boston, MA.
- June 2006 Strategies for BPD Prevention. 21st International Workshop on Surfactant Replacement, Oslo, Norway

Professional Leadership Roles Related to Teaching

Conferences/Symposia Directed

- 1993 Conference: Society for Pediatric Epidemiologic Research Annual Meeting
Keystone, CO, June 14-15, 1993
- 1994 Symposium: Ethics in Newborn Intensive Care – Issues for the Nineties
Boston, MA, September 22, 1994
- 2000 American Academy of Pediatrics - Perinatal Section Meeting
Abstract Session, Joint Session with the Section on Infectious Diseases, and State of the Art
Lecture Series
October 28-29, 2000
- 2003 NeoPREP Review Course
Chair, Planning Group
American Academy of Pediatrics
September 6-13, 2003
- 2005 Neonatal Pharmacology
Conference Planning Member
Boston, MA
May 18-20, 2006

Regional Initiatives

1995- 2000

Director, Joint Program in Neonatology Community Outreach Education Program

- Lectures: Presented and scheduled lectures at community hospitals throughout New England.
- Newsletter: Founded, published, and distributed 'Reaching Out,' a newsletter to more than 700 referring pediatricians and nurses in New England. Authored selected articles, revised all other articles, and edited each issue.
- Parent Outreach: Founded lecture series for parents, in collaboration with NICU Parent Support, Inc.
- Fax-Update Program: Surveyed referring pediatricians regarding the effectiveness of NICU communication and established a program of bi-weekly fax-updates to referring pediatricians.
- Liaison: Served as liaison between Children's Hospital Newborn Medicine program and our network of community hospitals.

1997-1999

Research Consultant

Slone Epidemiology Unit, Boston University
Study: "Pregnancy exposures and gastroschisis"

National / International Contributions

National

December 1999	NIH GCRC Site Reviewer – Philadelphia Children’s Hospital of Philadelphia, Philadelphia, PA
April 2001	Abstract Reviewer / Moderator – Pediatric Academic Societies PAS Meeting: Baltimore, MD
May 2002	Abstract Reviewer / Moderator – Pediatric Academic Societies PAS Meeting: Baltimore, MD
May 2003	PAS Special Topic Plenary Speaker – Intrauterine Inflammation and Neurological Outcome, Pediatric Academic Societies’ Meeting: Seattle, WA

International

June 1999	Medical Consultant – Medellin, Colombia Assessment of Neonatology clinical and academic program in participation Harvard Medical International consulting project: Hospital San Vicente de Paul, Medellin, Colombia.
November 2000	Visiting Professor and Lecturer – Tirana, Albania Meeting of the Perinatology Society of Albania Co-sponsored by <i>Child Advocacy International</i> and <i>The Albanian Pediatric Society</i>

Clinical Activities

Brigham and Women’s Hospital Newborn Intensive Care Unit Core Group Attending Physician

NICU Attending physician 3 months each year:

- Boston Combined Residency Program B&WH NICU and SCN rotation
- Boston Combined Residency Program B&WH Triage, Delivery Room, and SCN rotation
- Attending Physician and Nurse-Practitioner B&WH NICU service

Weekend attending physician coverage

4-6 full weekends and 12 additional 24-hour weekend days per year

In-hospital night coverage (B&WH and community hospitals)

3-5 nights per month

Community Hospital In-House Attending Physician Coverage

- Newton Wellesley Hospital

Bibliography

Original Articles

1. **Van Marter L**, Taylor F, Epstein M. Parental and physician-related determinants of consent for neonatal autopsy. *Am J Dis Child* 1987;141:149-53.
2. **Van Marter L**, Berwick D, Torday J, Frigoletto F, Wise P, Epstein M. Clinical opinion: Predictive value of indices of fetal pulmonary maturity. *Paediatric and Perinatal Epidemiology* 1988;2:360-4.
3. Bengston J, **Van Marter L**, Barss V, Greene M, Tuomala R, Epstein M. Neonatal outcome in pregnancies complicated by premature rupture of membranes prior to 26 weeks of gestation. *Obstetrics and Gynecology* 1989;73:921-7.
4. Leviton A, **Van Marter L**, Kuban K. Respiratory distress syndrome and intracranial hemorrhage: cause or association? Inferences from surfactant clinical trials. *Pediatrics* 1989;84:915-22.
5. **Van Marter L**, Kuban K, Leviton A, Allred E, Pagano M. Hydration in the first days of life and the risk of bronchopulmonary dysplasia. *J Pediatr* 1990;116:942-9.
6. **Van Marter L**, Leviton A, Kuban K, Pagano M, Allred E. Antenatal corticosteroid therapy and the risk of bronchopulmonary dysplasia (BPD). *Pediatrics* 1990;86:331-6.
7. Schneider B, Cronin J, **Van Marter L**, Maller E, Truog R, Jacobson M, Kevy S. A prospective analysis of cholestasis in infants supported with extracorporeal membrane oxygenation. *J Pediatr Gastroenterol* 1991;13:285-9.
8. **Van Marter L**, Pagano M, Leviton A, Allred E, Kuban K. The rate of bronchopulmonary dysplasia differs with neonatal care practices. *J Pediatr* 1992;120:938-46.
9. Leviton A, Kuban K, Pagano M, Allred E, **Van Marter L**. Antenatal corticosteroids appear to reduce the risk of postnatal germinal matrix hemorrhage in intubated low birth weight newborns. *Pediatrics* 1993;91:1083-8.
10. Bianchi D, **Van Marter L**. An approach to ventilator dependent neonates with arthrogryposis. *Pediatrics* 1994;94:682-6.
11. Lantos J, Tyson J, Allen A, Frader J, Hack M, Korones S, Merenstein G, Paneth N, Poland R, Saigal S, Stevenson D, Truog R, **Van Marter L**. Withholding and withdrawing life-sustaining treatment in neonatal intensive care: issues for the 1990s. *Arch Dis Child* 1994;71:F218-F23.
12. **Van Marter L**, Leviton A, Allred E, Pagano M, Sullivan K, Cohen A, Epstein M. Persistent pulmonary hypertension of the newborn and smoking and aspirin and nonsteroidal antiinflammatory drug consumption during pregnancy. *Pediatrics* 1996; 97:658-63.
13. Christou H, Adatia I, **Van Marter LJ**, Kane JW, Thompson JE, Stark AR, Wessel DL, Kourembanas S. Effect of inhaled nitric oxide on endothelin-1 and cGMP levels in newborns with persistent pulmonary hypertension. *J Pediatr* 1997;130:603-11.
14. Leviton A, Paneth N, Susser M, Reuss ML, Allred EN, Kuban K, Sanocka U, Hegyi T, Hiatt M, Shahrivar F, **Van Marter L**. Maternal receipt of magnesium sulfate does not appear to reduce the

risk of neonatal white matter damage. *Pediatrics* 1997; 99(4). URL: <http://www.pediatrics.org/cgi/content/full/99/4/32>.

15. Wessel DL, Adataia I, **Van Marter LJ**, Thompson JE, Kane J, Stark AR, Kourembanas S. Improved oxygenation in a randomized trial of inhaled nitric oxide for persistent pulmonary hypertension of the newborn. *Pediatrics* 1997; 100(5). URL: <http://www.pediatrics.org/cgi/content/full/100/5/e7>.
16. The Developmental Epidemiology Network Investigators. The correlation between placental pathology and intraventricular hemorrhage in the preterm infant. *Pediatr Res* 1998;43: 15-19.
17. Christou H, Magnani B, Morse DS, Allred EN, **Van Marter, LJ**, Wessel D, Kourembanas S. Inhaled nitric oxide does not affect adenosine 5-diphosphate-dependent platelet activation in infants with Persistent Pulmonary Hypertension of the Newborn. *Pediatrics* 1998; 102: 1390-93.
18. Leviton A, Paneth N, Reuss ML, Susser M, Allred E, Dammann O, Kuban K, **Van Marter LJ**, Pagano M, Developmental Epidemiology Network Investigators. Maternal infection, fetal inflammatory response, and brain damage in very low birth weight infants. *Pediatr Res* 1999; 46:566-575.
19. Leviton A, Paneth N, Reuss ML, Susser M, Allred EN, Dammann O, Kuban K, **Van Marter LJ**, Pagano M. Hypothyroxinemia of Prematurity and the risk of cerebral white matter damage. *J Pediatr* 1999; 134:706-11.
20. Leviton A, Dammann O, Allred E, Kuban K, Pagano M, **Van Marter L**, Paneth N, Reuss ML, Susser M for the Developmental Epidemiology Network. Antenatal corticosteroids and cranial ultrasound abnormalities. *Am J Obstet Gynecol* 1999; 181:1007-1017.
21. **Van Marter L**, Leviton A, Allred E, Pagano M, Sanocka U, Parad R, and Moore M, for the Developmental Epidemiology Network. Do markers of barotrauma and oxygen toxicity explain inter-hospital variation in rates of chronic lung disease? *Pediatrics* 2000; 105: 1194-1201.
22. Cataltepe S, **Van Marter LJ***, Kosakewicz H, Wessel D, Lee PJ, Levy H. Case report: Nonketotic hyperglycinaemia associated with pulmonary hypertension. *J Inher Met Dis* 2000; 23: 137-144.

* Identified index patient; suggested reporting case-series; participated in clinical discussions and manuscript revision
23. Berger T, Allred E, **Van Marter L***, Antecedents of clinically significant pulmonary hemorrhage among newborn infants: an 8-year experience. *J Perinat* 2000; 20:295-300.

* Directed analysis of data; collected supplemental data; extensively revised manuscript
24. Christou H, **Van Marter L***, Wessel D, Allred E, Kane J, Thompson J, Stark A, Kourembanas S. Combination of inhaled nitric oxide with high frequency ventilation reduced the need for extracorporeal membrane oxygenation in infants with persistent pulmonary hypertension. *J Critical Care Medicine* 2000; 28:3722-7.

* Guided study design; recruited subjects; provided substantial analytic input
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Lawson M, Allred E, Van Marter LJ. Early Indicators of Successful High-Frequency Oscillatory Ventilation Treatment Among Term Infants with Persistent Pulmonary Hypertension of the Newborn. Under review: *J Perinat*

- Mentored the fellow in all aspects of the research project, abstract submission, and manuscript preparation; extensively revised manuscript for resubmission

Laughon M, Bose C, Allred E, Van Marter LJ, O’Shea M, Leviton M. Center Variation of Treatment Among Extremely Low Gestational Age Newborns During the First Postnatal Week. Under review: *Pediatrics*

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APPENDIX

Self Report of Teaching

Local Contributions: Harvard Medical School

- **1988-present: Resident advisor - Children's Hospital and Boston Combined Residency in Pediatrics**

House Officer	Year of Graduation	Post-Residency Position
Esau Simmons	1989	Fellow: Primary Care Children's Hospital, Boston
William Adams	1990	Epidemiologic Surveillance Centers for Disease Control
Anna Huttenlocher	1990	Transfer: Resident in Pediatrics University of Southern California, San Francisco
Karen Sadler	1991	Primary Care Pediatrics Boston, MA
Mark Schuster	1991	Fellow: Robert Woods Johnson Medical Program Los Angeles, CA
Ken Alexander	1992	Fellow: Infectious Diseases Duke University, NC
Marcy Schwartz	1992	Fellow: Cardiology Children's Hospital, Boston
Elizabeth Ingulli	1993	Fellow: Nephrology University of Minnesota
Cecelia Meagher	1994	Fellow: Cardiology University of Michigan
Monika Woods	1994	Chief Medical Resident Children's Hospital, Boston
Julie Boom	1995	Fellow: Neonatology Baylor Medical Center
Mariel DiMusto-Poortenga	1995	Fellow: Neonatology University of Michigan
Joyce Soprano	1996	Fellow: Emergency Medicine Children's Hospital, Boston
Kathy Boutis	1997	Fellow: Emergency Medicine Hospital for Sick Children, Toronto
Colleen Hadigan	1997	Fellow: Gastroenterology Children's Hospital, Boston
Sandy Urioste	1997	Resident: Dermatology Massachusetts General Hospital
Celeste Wilson	1998	Fellow: General Academic Pediatrics Children's Hospital, Boston
Danette Colella	1999	Private Practice Pediatrician Boston, MA → Washington, DC
Sarah deFerranti	1999	Fellow: Cardiology Children's Hospital, Boston
Nicole House	2000	Fellow: Infectious Diseases Children's Hospital, Seattle, WA
Grace Lee	2000	Fellow: Infectious Diseases Children's Hospital, Boston

Eleanor Menzin	2001	Private & Academic Pediatrics
Kristen Breslin	2002	Pediatric Emergency Hospitalist Children's Hospital, Boston
Katie Campbell	2002	Pediatrics private practice
Jessica Smith	2003	Fellowship: Endocrinology Children's Hospital, Boston
Joyce Lee	2003	Fellowship: Endocrinology University of Michigan
Elizabeth Fortescue	2004	Fellowship: Cardiology
Alice Wang	2005	Fellowship: Neonatology
Melissa McKirdy	2005	Fellowship: Rheumatology
Elizabeth Kaminsky	2006	Fellowship: Hematology-Oncology
Rebecca Riba	2008	Current Interest: Hematology-Oncology
Elizabeth (Libby) Sherwin	2008	Current Interest: Endocrinology
Alexandra Vinograd	2009	Current Interest: International Health

- **1986-present:** Attending physician for medical students on the neonatology service, teaching newborn assessment skills, delivery room management, neonatal resuscitation, NICU triage, and newborn intensive care in both didactic and bedside sessions.

- **1990-present:** Research Advisor - Newborn Medicine Summer Student Research Program

Student	Year(s)	University	Subsequent Career Track
Mary Ryan	1990, 1991, 1992	Royal College of Physicians and Surgeons, Dublin, Ireland	Residency: Obstetrics & Gynecology Royal College of Physicians & Surgeons
Sarah Teele	1992		School of Medicine Boston University
Alisa Benson		Massachusetts Institute of Technology	School of Medicine State University of New York
Karen Shon	1998	Boston University	School of Public Health
Ann Terai	1998	University of Hawaii School of Medicine	School of Medicine University of Hawaii
Laura Ittel	1998	Boston College	Laboratory Technician Brigham & Women's Hospital
Allyson Peller	1998, 1999	Oberlin College	School of Public Health Boston University
Caroline Iskrant	1998	Skidmore College	Eliot-Pearson School of Child Development Tufts University
Jessica Katz	2000	School of Medicine University of Pennsylvania	School of Medicine University of Pennsylvania

- **1993-present:** Research advisor to Neonatal-Perinatal fellowship trainees

Fellow	Year(s)	Project(s)
Mark Lawson		Predictors of Response to High Frequency Oscillatory Ventilation

		Among Infants with PPHN
Thomas Berger	1997-2000	Epidemiology of Pulmonary Hemorrhage Among Pre-term and Full-term Infants
Camilia Martin	1999-2002	Epidemiology of Hypothyroxinemia of Prematurity; Necrotizing Enterocolitis
Deirdre O'Reilly	2004-present	Advanced Electrophysiological Brain Monitoring and White Matter Disease Among Extremely Preterm Infants
Jen Cohen	2004-present	Placental Molecular Markers and Risk of Bronchopulmonary Dysplasia Among Extremely Low Gestational Age Newborns
Mandy Brown-Belfort	2005-	Antenatal Risk Factors for Childhood Hypertension Among Extremely Low Gestational Age Newborns