

Shetal I. Shah, MD, FAAP
Biographical Sketch

Primary appointment: Assistant Professor
Division of Neonatology,
Department of Pediatrics

Present rank and title: State University of New York, Stony Brook
Children Services

Secondary appointment: Clinical Instructor,
Division of Neonatology
Department of Pediatrics

Secondary rank and title: New York University School of Medicine
New York, NY

Date of Birth: 11/19/74

<i>Education:</i>	<i>Place:</i>	<i>Date:</i>	<i>Degree:</i>
Undergraduate	Princeton University Princeton, NJ	8/1992-6/1996	B.S. Ecol. & Evol. Biology (<i>Magna Cum Laude</i>)
Graduate	Cornell University Medical College New York, NY	8/1996-6/00	M.D. <i>Honors Certificate in Research</i>
Residency	Duke University Medical Center Durham, North Carolina	6/00-6/03	Pediatrics
Fellowship	New York University School of Medicine New York, NY	6/03-6/06	Neonatology

Licenses and Certifications: American Board of Pediatrics 2004
New York State License Number 229769
Fellow, American Academy of Pediatrics 643369
Certified Neonatal Resuscitation Program Instructor 606-2783

Scholarly Societies: American Chemical Society
New York Academy of Science
Sigma XI Research Society
J. William Fulbright Foundation

Other Affiliations: Contributing Writer, PREEMIE MAGAZINE
Contributing Columnist, *Physician's Money Digest*

PATENTS ON FILE WITH NEW YORK UNIVERSITY OFFICE OF TECHNOLOGY TRANSFER

MONITORING AND TRACKING OF IMPULSES EXPERIENCED BY PATIENTS DURING
TRANSPORT, filed Oct. 10, 2006
(U.S. Patent Application Serial No. 11/539,909 – 05986/1203473-US1, 11176582)

PUBLICATIONS

1. Hersh PS, Shah SI, Geiger D, Holladay JT: Corneal Optical Irregularity after Excimer laser photorefractive keratectomy. J Cataract Refract. Surg, 1996; 22 pg. 197-202.
2. Shah SI, Hersh PS: Photorefractive Keratectomy for Myopia with a 6mm Beam Diameter. Journal of Refractive Surgery, 1996; 12 pg. 341-346.10
3. Shah SI, Hersh PS, Durrie D: Monocular Diplopia Following Excimer Laser Photorefractive Keratectomy after Radial Keratotomy. Ophthalmic Surg. Lasers, April 1996; 27 (4) pg. 1-3.
4. Hersh PS, Shah SI, Holladay J: Corneal Ashpericity Following Excimer Laser Photorefractive Keratectomy for Myopia. Ophthalmic Surg. Lasers, May 1996; 27 (5) pg. 13-20.
5. Shah SI, Hersh, PS: Evolving Coverage in Reporting Refractive Surgery in the Popular Press. Journal of Refractive Surgery, 1996; 74 pg. 638-641.
6. Hersh PS, Shah SI: Corneal Topography of Excimer Laser Photorefractive Keratectomy Using a 6mm Beam Diameter. Ophthalmology 1997; 104 pg. 1333-1342.
7. Shah SI: How Leeches Influence my Physical Exam. Lancet, 1998; 352 pg. 2014-2015.
8. Shah SI: What the Leechmaster Taught Me: The Utility of the International Medical Elective in Structuring U.S. Medical Student's Future Career Goals. Academic Medicine, Jan. 1999; 74 pg. 3.
9. Shah SI: Sisyphus and the 7 Year Old. Lancet, 1999; 353 pg. 684.
10. Shah SI: Dog Mushing Medicine. Lancet, 1999; 354 pg. 876.
11. Shah SI: Five Miles from Tomorrow. JAMA, 2000; 284 (15).
12. Shah SI, Caprio M. Optimizing Long-Term Care by Administration of Influenza Vaccine to Parents of NICU Patients. Journal of Perinatology 2004 24, 273-274.
13. Shah SI. Eighty Hours a Week: A Third Year Residents Perspective on Duty Hour Limitations. Mount Sinai Journal of Medicine Vol. 71. No 5. 2004. pgs. 358-360.
14. Shah SI. Pancakes and Medical Statistics. Acad Med 2005 80: 452-454.
15. Shah S, Mally P, Hendricks-Munoz K. The Relationship of Endotracheal (ET) Tube Length and Pressure for Sustained Tidal Volume in a Compliant Lung Model. Proceedings of the American Thoracic Society 2005, Vol. 2. p A490.
16. Shah SI, Caprio M, Strauss S. et al. Management of a Full Term Infant with Hemolytic Disease of the Newborn due to Anti-Rh17 Antibodies with a Mother of the D- - phenotype. Amer. Journ. Hematol. 80(1) 2005. pgs. 88-89.
17. Amodio J, Biskup D, Rivera R, Shah SI, Fefferman, N. Tubercular Splenic Abscess in a Neonate with Thrombocytopenia. Ped. Radiol.(2005) 35:887-890.
18. Shah SI. A 1920 Doctor in the Year 2000. Pat. Educ. Coun. 2006, (60) pg.100-101.
19. Shah SI, Mally P, Hendricks-Munoz K. Estimating Peak Inspiratory Pressure to Compensate for Endotracheal Tube Length at Neonatal Ventilation Settings in SIMV. Can. Jour. Resp. Therapy. Spring 2006 pg 34-38.
20. Shah SI, Caprio M, Hendricks-Munoz, K. A Computer-Based, Multivariate, Economic Analysis of Neonatal-Intensive-Care-Unit-Based Influenza Vaccine Administration to Parents in a Hospitalist Setting. Jour. Hosp. Med. 2006. Vol 1. (Suppl. 2) pg 25.

21. Shah SI, Caprio M, Hendricks-Munoz, K. Administration of Inactivated Trivalent Influenza Vaccine (TIV) to Parents of High-Risk Infants in the Neonatal Intensive Care Unit (NICU): A Novel Strategy to Increase Vaccination Rates. Jour. Hosp. Med. 2006. Vol 1. (Suppl. 2) pg 47.
22. Shah S, Caprio M, Mally P, Hendricks-Munoz, K. Rationale for the administration of acellular pertussis vaccine to parents of infants in the neonatal intensive care unit. Journal of Perinatology 2007 27, 1-3.
23. Shah S. An Eruption in the Neonatal Intensive Care Unit. Arch. Pediatr. Adolesc. Med. Vol 161, No. 2 p. 123.

Books

1. Shah, SI. In Transit to Manhood and Mental Roadtripping, NorthWest Publishing Incorporated, Salt Lake City, UT. 1995.

Presentations

1. Medicine from Around the World: A Traveler's Perspective: Global Medicine Society. June, 2004.
2. Influenza Prevention: The Role of the Neonatal Intensive Care Unit: Joint New York City Neonatal and Obstetric Grand Rounds. 9/27/04
3. The Relationship of Endotracheal (ET) Tube Length and Pressure for Sustained Tidal Volume in a Compliant Lung Model: 26th New York Conference of Perinatal Research. 11/17/04
4. Influenza Prevention: Cost Effectiveness for Administration to Parents of NICU Patients for Large Network Medical Centers. 2nd Annual Regional Perinatal Center Conference, Health and Hospital Corporation 12/2/04
5. Influenza Prevention: The Role of the Neonatal Intensive Care Unit. Pediatric Grand Rounds, St. Luke's –Roosevelt Medical Center. 1/21/05
6. Use of the Neonatal Intensive Care Unit for Public Health Interventions: Influenza and Pertussis. New York City Coalition on Immunization 6/10/05.
7. Biophysical Accelerometry and It's Applications in the Transport of Critically Ill Preterm Neonates. Neonatal Grand Rounds. Virginia Commonwealth University 9/16/05.
8. Discharge Care of the Premature Infant. Visiting Nurses Services of New York, Grand Rounds. 9/29/05
9. Quantification of Impulse by Neonates During Transport using a Specialized Air-foam Mattress as Measured by Biophysical Accelerometry. American Academy of Pediatrics National Conference, 10/9/05
10. Transport Impulse and Improved Outcomes: Applications of Biophysical Accelerometry in the NICU. Neonatology Division, Oregon Health Sciences University, Doernbecher Children's Hospital, 11/28/05
11. Administration of Inactivated Trivalent Influenza Vaccine (TIV) to Parents of High-Risk Infants in the Neonatal Intensive Care Unit (NICU): Effect on Vaccination Rates. Eastern Society for Pediatric Research, 3/19/06
12. A Computer-Based, Multivariate, Economic Analysis of Neonatal-Intensive-Care-Unit-Based Influenza Vaccine Administration to Parents in a Low-Socio-Economic, Urban Setting. Society for Pediatric Research, 4/30/06.
13. Administration of Trivalent Inactivated Influenza Vaccine (TIV) to Parents of NICU Patients: Secondary Effect on Healthcare Vaccination Rates: New York City Department of Health and Mental Hygiene Coalition on Immunization, 9/7/06.

14. Post-Discharge Care of the High Risk Neonatal Graduate. Pediatric Grand Rounds, St. Luke's – Roosevelt Medical Center. 10/13/06
15. Primary Care of the Preemie, Treatment of NICU-Induced Comorbidities. Pediatric Grand Rounds, Metropolitan Medical Center. 10/26/06
16. Influenza: Past, Present and Public Health. Keynote Speaker, March of Dimes Symposium on Neonatal Infections -- Tina Russo Convocation, Staten Island University Hospital. 12/1/06.
17. Availability of Trivalent Inactivated Influenza Vaccine (TIV) to Parents of Neonatal Intensive Unit Patients: Secondary Effect on Healthcare Worker Vaccination Rates. 2007 National Immunization Program Conference 3/7/07.
18. Effect of an Influenza Immunization Program for Parents of NICU infants on NICU Healthcare Worker Vaccination Rates. 2007 Eastern Society for Pediatric Research, 3/10/07.

Abstracts

1. Cervia JC, Shah SI, Dunn AM: Virological, Immunological and Clinical Outcomes of Combined Stavudine (d4T), Lamivudine (3TC), and Ritonavir (RIT) Therapy in Antiretrovirally Experienced Children with AIDS. Interscience Conference of Antimicrobial Agents and Chemotherapy, 1998.
2. Strauss RA, Gajera M, Saladino M, Cai G, Zhu O, Afonja O, Moskowitz N, Shah S, Caprio M et al. Management of an Allo-Anti Rh17 Mother and Baby. American Association of Blood Banks, 2004.
3. Shah S, Caprio M, Hendricks-Munoz, K. The Effect of an Educational Campaign on Compliance Rates with Influenza Vaccination and it's Relationship to Gestational Age, Birthweight in Parents of NICU Patients. Eastern Society for Pediatric Research, March 2005
4. Shah S, Caprio M, Hendricks-Munoz, K. The Effect of an Educational Campaign on Compliance Rates with Influenza Vaccination and it's Relationship to Gestational Age, Birthweight in Parents of NICU Patients. Society for Pediatric Research, May 2005
5. Shah S, Mally P, Hendricks-Munoz K. The Relationship of Endotracheal (ET) Tube Length and Pressure for Sustained Tidal Volume in a Compliant Lung Model. American Thoracic Society, May 2005.
6. Shah S, Caprio M, Hendricks-Munoz K. Quantification of Impulse by Neonates During Transport using a Specialized Air-foam Mattress as Measured by Biophysical Acclerometry. American Academy of Pediatrics National Conference: Section on Transport Medicine, October 2005.
7. Shah S, Caprio M, Hendricks-Munoz K. Multivariate Cost Analysis of NICU-Based Influenza Vaccine Administration to Parents in a Pediatric Hospital. American Academy of Pediatrics National Conference, October 2005.
8. Shah S, Caprio M, Hendricks-Munoz K. A Computer-Based, Multivariate, Economic Analysis of Neonatal-Intensive-Care-Unit-Based Influenza Vaccine Administration to Parents in a Low-Socio-Economic, Urban Setting. Eastern Society for Pediatric Research. 3/18/06.
9. Shah S, Mally P, Caprio M, Hendricks-Munoz K. Quantification of Impulse Experienced by Neonates During Routine and Intra-Hospital Transport Using an Air-Foam Mattress as Measured by Biophysical Acclerometry. 3/17/06
10. Shah S, Caprio M, Hendricks-Munoz K. Administration of Inactivated Trivalent Influenza Vaccine (TIV) to Parents of High-Risk Infants in the Neonatal Intensive Care Unit (NICU): Effect on Vaccination Rates. Society for Pediatric Research 5/1/06.

11. Shah S, Caprio M, Hendricks-Munoz K. Administration of Inactivated Trivalent Influenza Vaccine (TIV) to Parents of Infants in the Neonatal Intensive Care Unit (NICU): A Novel Strategy To Increase Vaccination Rates. Society for Hospital Medicine 5/4/06.
12. Shah S, Caprio M, Hendricks-Munoz K. Economic Feasability of Neonatal-intensive-care-unit-based Influenza Vaccine Administration To Parents In A Hospitalist Setting. Society for Hospital Medicine 5/4/06.
13. Shah S, Mally P, Caprio M, Hendricks-Munoz K. Quantification of Impulse Experienced by Neonates During Routine and Intra-Hospital Transport Using an Air-Foam Mattress as Measured by Biophysical Accelerometry, New York Perinatal Society 5/16/06
14. Louie M, Mally P, Shah S, Hendricks-Munoz, K. Direct Donor Blood Protocols Do Not Decrease Exposure in Infants Less than 1250 grams. New York Perinatal Society, 5/16/06
15. Shah S, Caprio M. Relationship of Ambulance Sirens During Neonatal Transport, Decibel Level and Quantified Impulse as Measured by Biophysical Accelerometry. National Conference on Physical and Developmental Environment of the High Risk Infant. 2/2/07
16. Shah S, Rothberger A, Parnel L , Karin R. Risk Factors for Primary-Series Immunization Delay of Very Low Birthweight (VLBW) Preterm Infants in the Neonatal Intensive Care Unit (NICU). 2007 National Immunization Program/National Immunization Conference 3/5/07
17. Shah S, Caprio M. Use of Ambulance Sirens During Neonatal Transport Increases Decibel Level but Decreases Quantified Impulse as Measured by Biophysical Accelerometry in all Axes. 2007 Eastern Society for Pediatric Research. 3/10/07
18. Shah S, Rothberger A, Parnel L , Karin R. Primary-Series Immunization Delay of Very Low Birthweight (VLBW) Infants in the Neonatal Intensive Care Unit (NICU) is Related to Disease Severity at Birth. 2007 Eastern Society for Pediatric Research, 3/10/07
19. Louie M, Shah S, Hendricks-Munoz K, Mally P. Challenges in the Provision of a Directed Blood Donor Program in Infants less than 1250 grams. 2007 Eastern Society for Pediatric Research, 3/1/07
20. Shah S, Caprio M. Improving Pediatric Healthcare Worker Influenza Immunization Rates. National Initiative for Children's Healthcare Quality. 3/20/07
21. Shah S. Caprio M, Hendricks-Munoz K. Improving Infection Control by Increasing Compliance with Influenza Vaccine in Parents of NICU Patients. National Initiative for Children's Healthcare Quality. 3/20/07
22. Louie M, Shah S, Mally P, Hendricks-Munoz K. Prevalence of Donor Directed Blood to Decrease Donor Exposure in Infants. National Initiative for Children's Healthcare Quality. 3/20/07
23. Shah S, Sensitivity and Specificity of Changes in SaO₂, Heart Rate and Respiratory Rate at High Altitude in Determining Acute Mountain Sickness (AMS) on Mount Kilimanjaro, American Thoracic Society 5/23/07

General Interest

1. Shah SI: "These Houses Shake, Rattle, and Roll," *Habitat World Magazine*, Dec. 1996/97
2. Shah SI: "Locked up in Lamu," *TravelMag* – <http://www.travelmag.co.uk/travelmag>.
3. Shah SI: "What I Learned from Kenyan Medicine." First Person. *Princeton Alumni Weekly*, February 1998.
4. Shah SI: "The Power of Harambee," Letter from Afield. *The New Physician Magazine* September 1998

5. Shah SI: "The Line on Broadway," In Medical Essays that Get You In. Barron's Publishing Group, November 1998.
6. Shah SI: "The Pediatric Intern and Dinner," On the Wards, *The New Physician Magazine* September/October 1999.
7. Shah SI: "Wanted: New View of Medicine: Electricity and Plumbing Optional," *Cornell Medicine* Winter 2000 pgs 4-11.
8. Shah SI: "Lamu Doors." In East Africa, by Hugh Finlay, Mary Fitzpatrick, Mathew Fletcher and Nick Ray. Fifth Edition, Lonely Planet Publications. Melbourne, Australia, 2000. Pg. 226.
9. Shah SI: "Lamu Doors." In Kenya, by Hugh Finlay, Mary Fitzpatrick, Mathew Fletcher and Nick Ray. Fourth Edition, Lonely Planet Publications. Victoria, Australia, 2000. Pg. 232.
10. Shah SI: "The Perfect Wave," *Eastern Surfing Magazine*, May 2004.
11. Shah SI: "Surfing Costa Rica," *Good Times*, Vol. 5, Issue 2. 2004.
12. Shah SI: "Eye Contact in Jaisalmer," *TravelMag*. Sept. 2, 2005
http://www.travelmag.co.uk/article_879.shtml
13. Shah SI: "Pole-to-Pole," *TravelMag*. Sept. 14, 2005
http://www.travelmag.co.uk/article_894.shtml
14. Shah, SI. "Choosing a Pediatrician for your Preterm Infant," *Preemie Magazine*, Spring 2006 pg. 70-73.
15. Shah, SI. "The Five Biggest Financial Mistakes of Young Physicians – From Someone Whose Made Almost All of Them," *Physician's Money Digest*, May 2006 pg 19-20.
16. Shah SI. "Seven Free Ways to Marketing Your Practice," *Physician's Money Digest*, May 2006 pg 24
17. Shah, SI. "Out of Breath on Top of Africa," *TravelMag*. Jun. 13, 2006
http://www.travelmag.co.uk/article_1054.shtml
18. Shah, SI. "On Top of the World," *Weill Cornell Medicine*, Summer 2006, pg 18-19.
19. Shah, SI. "In Search of the Perfect Preemie Toy," *Preemie Magazine*, Fall 2006, pg. 56-59.
20. Shah, SI. "Dispatches Kilimanjaro," *Wilderness Medicine*, Winter 2007, Vol. 24.No 1. pgs. 8-11.
21. Shah, SI. "Raising a Secure Sibling," *Preemie Magazine*, March/April 2007, pg. 70-72.

AWARDS AND SPECIAL RECOGNITIONS

Honors

BEST PAPER OF SESSION: Hersh PS, Shah SI, Geiger D, Holladay JT: Corneal Optical Irregularity after Excimer laser photorefractive keratectomy; Symposium on Cataract, IOL and Refractive Surgery, San Diego, 1995

Princeton University

USA TODAY First- Team Academic All American: Selected as one of best college graduates in the nation by national newspaper, 1996
Class of 1955 Senior Award to fund senior thesis research, 1996
Class of 1942/1992 Award to fund senior thesis research, 1996
Horton Elmer Award for senior thesis research, 1996
F. Fox Class of 1939 Award for senior thesis research, 1996
Class of 1984 Award for senior thesis research, 1996

Sigma XI Research Award, 1996

Cornell University Medical College

Barr Cornell Medical College Fellowship to fund volunteer work in Kenya, 1997
University Medical College International Health Fellowship, 2000

Duke University Medical Center

North American Society for Pediatric Gastroenterology, Hepatology and Nutrition:
Teaching and Tomorrow Scholarship Winner: Granted financial stipend to attend
National Meeting, 2001

New York University Medical Center

American Academy of Pediatrics: Child Access to Community Health (CATCH)
Residency Diplomate for Academy District II: Grant reviewer and coordinator for
training-level financial awards in New York State, 2003-2006

National Institute of Child Health and Diseases: Recipient of Award to attend national
conference in Aspen, CO. August 2004.

Mead Johnson Nutritionals Greater Conference on Perinatal Research: Recipient of
Award to present research at statewide conference. November 2004.

Eastern Society for Pediatric Research: Recipient of Award to present research at
regional conference. March 2005.

American Academy of Pediatrics: Best Paper of Session by Trainee: National Section on
Critical Care Medicine/ Transport Medicine. October 2005.

Eastern Society for Pediatric Research: Recipient of Award to present research at
regional conference. March 2006.

Society for Hospital Medicine: Best Innovation in Clinical Research, May 2006.

New York University Department of Pediatrics: Fellow of the Year, June 2006.

State University of New York at Stony Brook School of Medicine

Fulbright Senior Specialist Roster of Scholars: Appointed by U.S. Department of State &
Council on International Exchange of Scholars to National Panel of Experts for Neonatal
Disease and Immunization Delivery 2007

Selected by the Consumers' Research Council of America, an independent healthcare
advocacy organization as one of "America's Top Pediatricians." 2007

American Association of Physicians of Indian Origin (AAPIO): Most Distinguished Young
Physician, 2007

EXTERNAL SUPPORT – GIFTS AND GRANTS

Alpha Omega Alpha Medical Student Research Honor to fund clinical research in tolerability of
multi-drug therapy in children with HIV, 1997

Pediatric AIDS Foundation Medical Student Award, 1997

Alpha Omega Alpha Medical Student Research Honor to fund clinical research in co-morbidity of
multi-drug therapy in children with HIV, 1998

Pediatric AIDS Foundation Medical Student Award, 1998

Duke Children's Miracle Network, 2002

American Academy of Pediatrics, Child Access to Community Health (CATCH) to increase access of influenza vaccine to Durham, NC Asthmatic and Premature Medicaid Population, 2002

KIDS of NYU: Award to Define Role for Acoustic Noise Reduction Headphones in the Neonatal Intensive Care Unit: Awarded with Dr. Martha Caprio, MD: NYU NICU Clinical Director, 2003

Morgan Stanley VIP Medical/Community Service Grant: Awarded funds to help underwrite NICU educational meeting opportunities: Awarded with Dr. Martha Caprio MD, NYU NICU Clinical Director, and Alpina Sen: Senior Associate Morgan Stanley Investment Management, 2004

Kids 'R' US: Awarded grant to fund equipment for underprivileged patients for three years, 2004

Boppy, Inc: Awarded grant to administer infant support pillows to underprivileged patients for three years, 2004

New York City Department of Health and Mental Hygiene: Awarded support for influenza vaccine research for one year. 10/05-4/06

New York University Master's Scholar's Program: Awarded funds to hold photo exhibit entitled: "Images of Global Health" showcasing my photos from international medical work 11/05

KIDS of NYU: Awarded intramural grant to provide trivalent, inactivated influenza vaccine to parents of infants in the NICU after conducting feasibility project the previous year. March 2006.

MedImmune, Inc. Awarded support to conduct multi-center trial on usage patterns and administration of Live, Attenuated Influenza Vaccine (LAIV) amongst parents in Neonatal Continuity Clinics.

OTHER CLINICAL RESEARCH EXPERIENCE

Research Intern, Center for Pediatric Special Studies, New York Hospital: Conducted Clinical research on efficacy of treatment regimens in children with HIV disease. 1996-98.

Ophthalmic Assistant and Research Aide, Albert Einstein College of Medicine: Initiated research on the Summit Excimer Laser as part of U.S. FDA Phase III clinical trials, 1994-96.

Research Assistant, Columbia Presbyterian Medical Center: Investigated receptor-mediated endocytosis using the human transferrin receptor to study uptake and storage of iron, 1993.