

**CURRICULUM VITAE**  
**April 2009**

**Name:** Suhag H. Parikh, M.B.B.S

**Primary Academic Appointment:** Assistant Professor of Pediatrics

**Primary Academic Department:** Department of Pediatrics  
Division of Pediatric Blood and Marrow Transplantation

**Present Academic Rank and Title:** Assistant Professor of Pediatrics

**Date and Rank of First Duke Faculty Appointment:** July 1, 2003  
Associate in the Department of Pediatrics

**Medical Licensure:** North Carolina License #: 2003-00862  
Date of License: 07/17/2003

**Specialty Certification(s) and Dates:** American Board of Pediatrics 10/11/1995  
American Board of Pediatrics, Sub-board of Pediatric Hematology Oncology 11/13/2000

| <u>Education</u> | <u>Institution</u>                        | <u>Date (Year)</u> | <u>Degree</u> |
|------------------|---|--------------------|---------------|
| Medical School   | Government Medical College, Nagpur, India | 1988               | M.B.B.S.      |

**Professional Training and Academic Career**

| <u>Institution</u>   | <u>Position/Title</u>                         | <u>Dates</u> |
|--|---|--------------|
| King Edward Memorial Hospital, Seth G.S. Medical College, University of Bombay, Bombay (Mumbai), India | Resident in Pediatrics                        | 3/88 — 6/92  |
| University Hospital, State University of New York, Stony Brook, NY                                     | Resident in Pediatrics                        | 8/92 – 6/95  |
| Memorial Sloan Kettering Cancer Center, NY   | Resident elective in Pediatric Oncology       | 3/93 – 4/93  |
| Texas Children's Hospital, Baylor College of Medicine, Houston, Texas                                  | Fellow in Pediatric Hematology Oncology       | 7/95 – 6/98  |
| University of Florida College of Medicine, Gainesville, Florida  | Assistant Clinical Professor of Pediatrics    | 2/02 – 6/02  |
| Texas Children's Hospital, Baylor College of Medicine, Houston, Texas                                  | Fellow in Pediatric Stem Cell Transplantation | 7/02 – 6/03  |
| Duke University Medical Center,  | Associate / Medical Instructor                | 7/03 – 9/08  |

|   |                                      |                 |
|---|--------------------------------------|-----------------|
| Durham, North Carolina                                    | in Pediatrics                        |                 |
| Duke University Medical Center,<br>Durham, North Carolina | Assistant Professor of<br>Pediatrics | 10/08 – present |

### PUBLICATIONS

1. **Parikh S**, Bharucha B, Kamdar S, Kshirsagar, N. Polymorphonuclear leukocyte functions in children with cyanotic & acyanotic congenital heart diseases. *Indian Paediatrics* 30:883-890, 1993. (Paper presentation at 29th National Conference of Indian Academy of Pediatrics, 1992)
2. **Parikh S**, Chintagumpala M, Hicks JM, Trautwein L, Blaney S, Minifee P, Woo SY. Clear cell sarcoma of the kidney: an unusual presentation and review of the literature. *Journal of Pediatric Hematology Oncology* 20:165-168, 1998.
3. Li XN, **Parikh S\***, Shu Q, Jung HL, Chow CW, Perlaky L, Leung E, Su J, Blaney S, Lau CC. Phenylbutyrate and phenylacetate induce differentiation and inhibit proliferation of human medulloblastoma. *Clinical Cancer Research* 10:1150-1159, 2004 (\* Dr. Parikh and Dr. Li contributed equally to this work)
4. Beam D, Poe MD, Provenzale JM, Szabolcs P, Martin PL, Prasad V, **Parikh S**, Driscoll T, Mukundan S, Kurtzberg J, Escolar ML. Outcomes of unrelated umbilical cord blood transplantation for x-linked adrenoleukodystrophy. *Biology of Blood and Marrow Transplantation* 13:665-674, 2007.
5. **Parikh S**, Szabolcs P, Prasad VK, Lakshminarayanan S, Martin PL, Driscoll TA, Kurtzberg J. Correction of chronic granulomatous disease after second unrelated- donor umbilical cord blood transplantation. *Pediatric Blood & Cancer* 49:982-984, 2007.
6. Porkka K, Koskenvesa P, Lundán T, Rimpiläinen J, Mustjoki S, Smykla R, Wild R, Luo R, Arnan M, Brethon B, Eccersley L, Hjorth-Hansen H, Höglund M, Klamova H, Knutsen H, **Parikh S**, Raffoux E, Gruber F, Brito-Bababulle F, Dombret H, Duarte RF, Elonen E, Paquette R, Zwaan CM, Lee FYF. Dasatinib crosses the blood-brain barrier and is an efficient therapy for central nervous system Philadelphia chromosome-positive leukemia. *Blood* 112(4): 1005-1012, 2008
7. Prasad VK, Mendizabal A, **Parikh S**, Szabolcs P, Driscoll TA, Page K, Lakshminarayanan S, Allison J, Wood S, Semmel D, Escolar M, Martin PL, Carter S, and Kurtzberg J. Unrelated donor umbilical cord blood transplantation for inherited metabolic disorders in 159 pediatric patients from a single center: influence of cellular composition of the graft on transplant outcomes. *Blood* 112(7):2979-89, 2008
8. Page KM, Mendizabal A, Prasad V, Martin PL, **Parikh S**, Wood S, Sempowski GD, Szabolcs P, and Kurtzberg J. Post-transplant autoimmune hemolytic anemia and other autoimmune cytopenias are increased in very young infants undergoing unrelated donor

umbilical cord blood transplantation. *Biol Blood Marrow Transplant* 14(10):1108-17, 2008

9. **Parikh S**, Mendizabal A, Martin PL, Prasad VK, Szabolcs P, Driscoll TA, and Kurtzberg, J. Unrelated donor umbilical cord blood transplantation in pediatric myelodysplastic syndrome: a single center experience. Accepted *Biol Blood Marrow Transplant* (March, 2009)

### Chapters in Books

**Parikh SH** and Kurtzberg J. Umbilical Cord blood: A reliable source of stem and progenitor cells for human transplantation. (Chapter 36, pp.559-565) In Rossi's Principles of Transfusion Medicine, 4<sup>th</sup> edition, Simon, Snyder, Solheim, Stowell, Strauss, Petrides eds. Wiley-Blackwell and AABB press, 2009.

### Abstracts

1. Lau C, Parikh S, Li XN, Chow C, Jung HL, Blaney S. Differentiation induction in medulloblastoma cell lines by phenylbutyrate. Proceedings of the American Association of Cancer Research 39:108, 1998.
2. Lau C, Li XN, Parikh S, Chow CW, Dauser R, Vogel H, Armstrong D, Chintagumpala M, Strother D, Horowitz M. Differential expression of NF1 type I and type II isoforms in pediatric brain tumors. (3rd Annual Meeting of the Society for Neuro-Oncology, San Francisco, CA, Nov 12-15, 1998)
3. Lau C, Li XN, Armstrong D, Parikh S, Jung HL, Chow C, Antalffy B, Mok S. Expression of a putative tumor suppressor gene DOC-2 in pediatric brain tumors. Proceedings of the American Association of Cancer Research 39: 621, 1998.
4. Allison J, Martin PL, Szabolcs P, Driscoll T, Parikh S, Wood S, Kurtzberg J. Transplantation of boys with X-linked adrenoleukodystrophy with unrelated-donor, partially HLA-mismatched banked umbilical cord blood. *Biol Blood Marrow Transplant* 10:2, suppl.1, February 2004.
5. Parikh S, Martin PL, Szabolcs P, Shonkwiler A, Prasad V, Driscoll T, Kurtzberg J. Outcomes of unrelated umbilical cord blood transplantation in pediatric patients with myelodysplastic syndrome. *Biol Blood Marrow Transplant* 11:2, suppl. 1, p.80, February 2005.
6. Kurtzberg J, Szabolcs P, Wood S, Ciocci G, Driscoll T, Prasad V, Parikh S, Martin PL, Allison J, Escolar ML. Treatment of Pediatric patients with Sanfilippo syndrome (MPS IIIA and IIIB) with unrelated umbilical cord blood transplantation. *Biol Blood Marrow Transplant* 11:2, suppl.1, p.83, February 2005.

7. Blackstock J, Parikh S, Talbert J. Herpes Simplex Virus in the pediatric bone marrow and stem cell transplantation patient. *Biol Blood Marrow Transplant* 11:2, suppl.1, p.97, February 2005.
8. Lakshminarayanan S, Szabolcs P, Prasad V, Parikh S, Allison J, Wood S, Escolar M, Kurtzberg, J. Transplant outcomes and stabilization of neurological function in young children with MPS III (Sanfilippo Syndrome) after unrelated donor umbilical cord blood transplantation. *Blood* 106:11, p. 580a, # 2050, November 16, 2005.
9. Lakshminarayanan S, Szabolcs P, Parikh S, Wood S, Allison J, Kurtzberg J. Unique reversible but serious adverse events in very young infants undergoing unrelated donor umbilical cord blood transplantation for non-malignant conditions: increased autoimmune cytopenias and hypertrophic cardiomyopathy. *Blood* 106:11, p. 451b, # 5456, November 16, 2005.
10. Lakshminarayanan S, Martin PL, Szabolcs P, Driscoll T, Parikh S, Prasad V, Kurtzberg J. Cellcept/Cyclosporine as prophylaxis against graft versus host disease in pediatric patients undergoing allogeneic stem cell transplantation. *Biol Blood Marrow Transplant* 12:2, suppl.1, p.67, #192, February 2006.
11. Prasad VK, Wu J, Parikh SH, Driscoll TA, Szabolcs P, Martin PL, Carter S, Kurtzberg J. Single center experience of unrelated cord blood transplantation (UCBDT) for acute myeloid leukemia in 97 pediatric patients: impact of disease status and cytoreductive regimen. *Biol Blood Marrow Transplant* 12:2, suppl.1, p.124, #356, February 2006.
12. Escolar M, Lakshminarayanan S, Szabolcs P, Poe M, Prasad V, Parikh S, Allison J, Wood S, Kurtzberg J. Neurobehavioral outcome in children with MPS III (Sanfilippo syndrome) after unrelated donor umbilical cord blood transplantation. *Biol Blood Marrow Transplant* 12:2, suppl.1, p.125, #359, February 2006.
13. Martin PL, Driscoll T, Szabolcs P, Parikh S, Prasad V, Kurtzberg J. Busulfan/Melphalan is an effective and well tolerated conditioning regimen for pediatric AML and MDS patients receiving a matched sibling BMT. *Biol Blood Marrow Transplant* 12:2, suppl.1, p.127 (#364), February 2006.
14. Lakshminarayanan S, Szabolcs P, Prasad V, Parikh S, Wood S, Ciocci G, Stafford L, Boyd L, Driscoll T, Martin PL, Kurtzberg J. Acute graft versus host disease (GVHD) is increased in patients receiving cyclosporine/cellcept as frontline prophylaxis against GVHD in pediatric patients undergoing allogeneic stem cell transplantation. *Blood* 108:11, p. 820a, # 2896, November 16, 2006.
15. Lakshminarayanan S, Mendizabal A, Prasad V, Parikh S, Szabolcs P, Driscoll T, Schweitzer M, Kassman B, Paden M, Robinette D, Martin PL, Kurtzberg J. The addition of fludarabine to a conventional busulfan/melphalan/anti-thymocyte globulin

(Flu/Bu/Mel/ATG) preparative regimen increased engraftment without additional toxicity. *Blood* 108:11, p. 833a, # 2944, November 16, 2006.

16. Prasad V, Wu J, Martin PL, Driscoll T, Parikh S, Semmel D, Moffet J, Stafford L, Shonkwiler A, Carter S, Szabolcs P, Kurtzberg J. Melphalan containing cytoreduction results in a good overall survival (OS) in pediatric patients with relapse or refractory AML undergoing unrelated umbilical cord blood transplantation (UCBT). *Blood* 108:11, p. 899a, # 3150, November 16, 2006.
17. Parikh SH, Martin PL, Prasad VK, Szabolcs P, Driscoll TA, Kurtzberg J. Outcomes of matched related donor bone marrow transplantation in pediatric patients with myelodysplastic syndrome. *Biol Blood Marrow Transplant* 13:2, suppl.2, p.64, #173, February 2007.
18. Parikh SH, Mendizabal A, Martin PL, Szabolcs P, Prasad VK, Driscoll TA, Kurtzberg J. Outcomes of unrelated umbilical cord blood transplantation in pediatric patients with myelodysplastic syndrome. *Biol Blood Marrow Transplant* 13:2, suppl.2, p.64-65 (#174), February 2007.
19. Szabolcs P, Martin PL, Parikh S, Prasad VK, Vinesett R, Escolar ML, Kurtzberg J. Chronic graft versus host disease (GvHD) in children with mucopolysaccharidoses (MPS) two years after unrelated donor umbilical cord blood transplantation (UCBT) *Biol Blood Marrow Transplant* 13:2, suppl.2, p.67, #180, February 2007.
20. Baker JH, Martin PL, Driscoll T, Szabolcs P, Allison J, Gurganus K, Ciocci G, Parikh S, Prasad V, Kurtzberg J. Outcomes of pediatric patients transplanted a second time after experiencing graft failure with unrelated donor umbilical cord blood transplantation *Biol Blood Marrow Transplant* 13:2, suppl.2, p.137, # 377, February 2007.
21. Martin HP, Poe MD, Szabolcs P, Martin PL, Parikh S, Prasad VP, Kurtzberg J, Escolar M. Neurodevelopmental outcomes of unrelated umbilical cord blood transplantation for metachromatic leukodystrophy *Biol Blood Marrow Transplant* 13:2, suppl.2, p.63, # 168, February 2007.
22. Koskenvesa P, Rimpiläinen J, Lundán T, Mustjoki S, Brethon B, Hjorth-Hansen H, Höglund M, Knutsen H, Parikh S, Raffoux E, Stromsheim J, Ågren L, Gruber F, Strauss L, Talvensaaari K, Dombret H, Elonen E, Paquette R, Simonsson B, Zwaan CM, Porkka, K. Dasatinib is an effective treatment of central nervous system Ph-positive leukemia. *Haematologica* 92, suppl. 2, p.113, # 0315, June 2007 [European Hematology Association, 12th Congress, Vienna, Austria, June 8, 2007].
23. Prasad VK, Medizabal A, Parikh S, Szabolcs P, Driscoll TA, Page K, Lakshminarayanan S, Allison J, Wood S, Semmel D, Escolar M, Martin PL, Carter S, Kurtzberg J. Analysis of the cellular components of the graft and clinical characteristics of 159 children with lysosomal and peroxisomal disorders (LSD) undergoing unrelated umbilical cord blood transplantation at a single center. *Blood* 110:11, # 336, November 16, 2007.

24. Boelens JJ, Rocha V, Aldenhoven M, Wynn R, O'Meara A, Cavazzana-Calvo M, Ionescu I, Parikh S, Prasad V, Escolar M, Gluckman E, Kurtzberg J. Risk factor analysis of outcomes after unrelated cord blood transplantation for children with Hurler's syndrome. An Eurocord-Duke University Collaborative Study. *Blood* 110:11, # 5076, November 16, 2007.
25. Boelens JJ, Rocha V, Aldenhoven M, Wynn R, Ionescu I, Parikh S, Prasad V, Escolar M, Cavazzana-Calvo M, Gluckman E, Kurtzberg J, O'Meara A. Risk factor analysis of outcomes after unrelated cord blood transplantation for children with Hurler's syndrome. An Eurocord-Duke University Collaborative Study. *Biol Blood Marrow Transplant* 14:2, suppl. S, p.24, # 58, February 2008.
26. Prasad VK, Mendizabal A, Parikh SH, Szabolcs P, Driscoll T, Page K, Lakshminarayanan S, Allison J, Wood S, Semmel D, Escolar ML, Martin PL, Carter S, Kurtzberg J. Outcomes of unrelated umbilical cord blood transplantation in 159 young patients with peroxisomal and lysosomal storage disorders at a single center. *Biol Blood Marrow Transplant* 14:2, suppl. S, p.26, # 63, February 2008.
27. Mohamed A, Niedzwiecki D, Baker JH, Vinesett R, Martin PL, Driscoll TA, Prasad VK, Parikh S, Kurtzberg J, Szabolcs P. The use, safety, and efficacy of daclizumab for steroid refractory graft-versus-host-disease (GVHD) after unrelated cord blood transplantation (UCBT). *Biol Blood Marrow Transplant* 14:2, suppl.S, p.77, # 208, February 2008.
28. Parikh SH, Mendizabal A, Martin PL, Szabolcs P, Prasad VK, Driscoll TA, Kurtzberg J. Outcomes of unrelated umbilical cord blood transplantation in pediatric patients with myelodysplastic syndrome. *Biol Blood Marrow Transplant* 14:2, suppl. S, p.83, # 224, February 2008
29. Prasad, V.K., Gill, P., Vinesett, V., Parikh, S.H., Szabolcs, P., Driscoll, T.A., Page, K.M., Wood, S., Semmel, D., Martin, P.L., Kurtzberg, J. Single Donor 4/6 Matched Banked Unrelated Cord Blood Is An Effective Graft Source for Children Undergoing Myeloablative Transplantation for Malignant and Nonmalignant Disorders: Single Center Analysis of 318 Patients. *Blood* 112:11, #1975, November 16, 2008
30. Prasad, V.K., Mendizabal, A., Gill, P., Parikh, S.H., Szabolcs, P., Driscoll, T.A., Page, K., Wood, S., Semmel, D., Martin, P.L., Carter, S., Kurtzberg, J. Unrelated umbilical cord blood transplantation from a single 4/6 matched unit is an effective therapy for children with malignant and non-malignant diagnoses: good survival, low graft failure and graft-versus-host-disease in a single center analysis of 314 patients. *Biol Blood Marrow Transplant* 15:2, suppl.2, p.27 (#64), February 2009
31. Parikh, S.H., Mendizabal, A., Betz-Stablein, B., Martin, P.L., Szabolcs, P., Prasad, V.K., Driscoll, T.A., Kurtzberg, J. Outcomes of unrelated umbilical cord blood transplantation in pediatric patients with primary and secondary myelodysplastic syndromes. *Biol Blood Marrow Transplant* 15:2, suppl.2, p.72 (#196), February 2009

32. Hwang, E.I., Camitta, M.G.W., Vinesett, R., Mendizabal, A., Wood, S., Semmel, D., Page, K., Driscoll, T.A., Parikh, S.H., Szabolcs, P., Martin, P.L., Kurtzberg, J., Prasad, V.K. Pericardial effusion following unrelated umbilical cord blood transplantation: Analysis in a cohort of 423 pediatric patients transplanted at a single center. *Biol Blood Marrow Transplant* 15:2, suppl.2, p.73 (#199), February 2009
33. Sun, J.M., Driscoll, T., Prasad, V.K., Parikh, S., Szabolcs, P., Kurtzberg, J., Martin, P.L. Unrelated umbilical cord blood transplantation is an effective therapy for Wiskott-Aldrich syndrome. *Biol Blood Marrow Transplant* 15:2, suppl.2, p.27 (#205), February 2009

**Membership:**

American Society of Pediatric Hematology Oncology  
American Society of Blood and Marrow Transplantation  
Children's Oncology Group  
North Carolina Pediatric Society (NC chapter of AAP)

**Areas of Research Interests:**

Stem cell transplantation in hemoglobinopathies  
Stem cell transplantation in metabolic disorders  
Reduced intensity conditioning in pediatric patients undergoing stem cell transplantation

**Journal Reviewer for:**

Bone Marrow Transplantation  
Biology of Blood and Marrow Transplantation  
British Journal of Hematology  
Journal of Pediatric Hematology Oncology

**Invited Lectures:**

1. Speaker, University of Florida, Gainesville, Pediatric Oncology Conference, June 2002:
  - a. Hemophilia and Thrombosis.
  - b. Blood and Hematopoietic Growth Factor Therapy.

2. Nurses Core Day Conference (Duke University Medical Center BMT Nursing) November 20, 2003 : Stem Cell transplantation for Thalassemia and Sickle cell disease.
3. Acute/Chronic Care Nurse Practitioner Lecture: June 2, 2004 Sickle cell Disease and Thalassemia. Duke University Medical Center.
4. "BMT/SCT in sickle cell anemia" at the Statewide Conference of Sickle Cell Disease Awareness Association of Virginia; Lynchburg, VA; September 18, 2004.
5. Stem cell transplantation in Childhood malignancies; Bombay Hospital, Bombay, India, July 24, 2005.
6. Stem cell transplantation in non-malignant diseases; Bombay Hospital, Bombay, India, July 24, 2005.
7. Pediatric Stem Cell transplantation: current status and recent advances; Indian Academy of Pediatrics, Nagpur, India; July 27, 2005.
8. INTERNATIONAL SYMPOSIUM ON STEM CELLS AND REGENERATIVE MEDICINE, Dhirubhai Ambani Life Sciences Centre, Navi Mumbai, Bombay, India Feb 27-28, 2006: "Current Status of Cord Blood Stem cells in Hemolytic disorders".
9. Hematologic Malignancies Grand Rounds / Adult Lymphoma Conference: Case Presentation: ALCL October 20, 2006.
10. Hematologic Malignancies Grand Rounds / Adult Lymphoma Conference: Case Presentation: CTCL August 17, 2007.
11. Invited lecture: " Stem cell transplantation in pediatric disorders" at Gujrat Cancer & Research Institute, Ahmedabad, India. December 20th, 2007.
12. Invited lecture: " Stem cell transplantation in pediatric disorders" at H.M.Patel Institute of Post Graduate Studies, and Pramukhswami Medical College, Karamsad, India. December 21st, 2007.
13. Nurses Core Day Conference - Duke University Medical Center BMT Nursing: Pediatric Stem Cell Transplantation – Background and History, April 3<sup>rd</sup>, 2008
14. Nurses Core Conference - Duke University Medical Center BMT Nursing: Late effects and survivorship after transplantation June 30, 2008
15. Palliative Care Conference: **A New Beginning: Life Lessons From a Young "Old Soul"**, August 28, 2008