

**BRIAN W. BERMAN, M.D.**

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**EDUCATION/POST GRADUATE TRAINING:**

- 1971 Bachelor of Science (with high distinction)  
Pennsylvania State University  
University Park, Pennsylvania
- 1975 Doctor of Medicine (A.O.A.)  
Temple University School of Medicine  
Philadelphia, Pennsylvania
- 1975-1978 Pediatric Residency (PL1,2,3)  
St. Christopher's Hospital for Children  
Department of Pediatrics  
Temple University School of Medicine  
Philadelphia, Pennsylvania
- 1978-1980 Pediatric Hematology/Oncology Fellowship  
Yale University School of Medicine  
Department of Pediatrics  
Division of Pediatric Hematology-Oncology  
New Haven, Connecticut

**PROFESSIONAL  
APPOINTMENTS:**

- 1980-1993 Medical Staff, Department of Pediatrics  
University MEDNET (multispecialty group private practice)  
Cleveland, Ohio
- 1989-Present Director, Rainbow Sickle Cell Anemia Center  
Rainbow Babies and Childrens Hospital
- 1990-1992 Acting Chief, Genetics Center  
Rainbow Babies and Childrens Hospital  
Case Western Reserve University
- 1993-Present Director, Pediatric Consultation and Referral Service  
Rainbow Babies and Childrens Hospital

- 1993-Present** Chief, Division of General Academic Pediatrics  
Department of Pediatrics  
Case Western Reserve University School of Medicine  
Rainbow Babies and Childrens Hospital  
Cleveland, Ohio
- 1998-Present** Vice Chairman for Community Physician Affairs  
Department of Pediatrics  
Rainbow Babies and Childrens Hospital
- 2002-Present** Acting Chief, Division of Pediatric Hematology/Oncology  
Department of Pediatrics  
Case Western Reserve University  
Rainbow Babies and Childrens Hospital  
Cleveland, Ohio

**ACADEMIC APPOINTMENTS:**

- 1980-1989** Clinical Instructor  
**1989-1991** Clinical Assistant Professor  
**1991-1993** Assistant Professor  
**1993-2001** Associate Professor  
**2001-Present** Professor  
Department of Pediatrics  
Case Western Reserve University  
School of Medicine  
Rainbow Babies and Childrens Hospital  
Cleveland, Ohio

**HONORS AND AWARDS:**

- 1971** Bachelor of Science Degree with High Distinction  
Pennsylvania State University  
University Park, Pennsylvania
- 1974** Alpha Omega Alpha Honor Society  
Temple University School of Medicine  
Philadelphia, Pennsylvania
- 1975** Merck Award for Academic Excellence  
Temple University School of Medicine  
Philadelphia, Pennsylvania
- 1990** Teaching Excellence Award  
Department of Pediatrics  
Rainbow Babies & Childrens Hospital  
Case Western Reserve University School of Medicine
- 1992** Faculty Teaching Excellence Award  
Department of Pediatrics  
Rainbow Babies & Childrens Hospital  
Case Western Reserve University School of Medicine
- 1994** Outstanding Service to Medicine Award  
Presented by Rainbow Children's Council
- 1994** Faculty Teaching Excellence Award  
Department of Pediatrics  
Rainbow Babies and Childrens Hospital

**Case Western Reserve University School of Medicine**

- 1995** Faculty Teaching Excellence Award  
Department of Pediatrics  
Rainbow Babies & Childrens Hospital  
Case Western Reserve University
- 1996** Faculty Teaching Excellence Award (Honorable Mention)  
Department of Pediatrics  
Rainbow Babies & Childrens Hospital  
Case Western Reserve University
- 1996** American Sickle Cell Anemia Association  
Physician Service Award
- 1997** Faculty Teaching Excellence Award (Honorable Mention)  
Department of Pediatrics  
Rainbow Babies & Childrens Hospital  
Case Western Reserve University
- 1998** Faculty Teaching Excellence Award (Honorable Mention)  
Department of Pediatrics  
Rainbow Babies & Childrens Hospital  
Case Western Reserve University
- 1998** Samuel Horwitz M.D. Award for Excellence in Clinical Service  
Presented by Pediatric Clinical Faculty  
Rainbow Babies & Childrens Hospital
- 1999** “Pearl Day” Award (for teaching excellence)  
Presented by Pediatric Residents  
Rainbow Babies & Childrens Hospital
- 1999** Faculty Teaching Excellence Award (Honorable Mention)  
Department of Pediatrics  
Rainbow Babies & Childrens Hospital  
Case Western Reserve University
- 1999** Recognized as “Best Physicians in the Region”  
Cleveland Magazine
- 2000** “Pearl Day” Award (for teaching excellence)  
Presented by Pediatric Residents  
Rainbow Babies & Childrens Hospital
- 2000** Faculty Teaching Excellence Award  
Department of Pediatrics  
Rainbow Babies & Childrens Hospital  
Case Western Reserve University
- 2001** Recognized as a “Top Doctor” in Region  
Northern Ohio Live Magazine
- 2001** Recognized in “America’s Best Doctor” (Castle Connely Medical Ltd.)
- 2002** Recognized as “Best Doctors for Families”  
Ladies Home Journal Magazine
- 2002** Recognized as a “Top Doctor” in Region  
Northern Ohio Live Magazine

2004 Recognized as a "Top Doctor" in Region  
Northern Ohio Live Magazine

2004 Recognized as "Best Physician" in Region  
Cleveland Magazine

**GRANTS:** Center of Care Grant  
Rainbow Babies and Childrens Hospital  
Rainbow Sickle Cell Anemia Center  
1990 - \$152,254  
1991 - \$156,927  
1992 - \$ 75,000  
1993 - \$ 47,300  
1994 - \$ 47,500  
1995 - \$ 40,000  
1996 - \$ 40,000

United Way Grant - In cooperation with Vocational Guidance Services  
Cleveland, Ohio  
Sickle Cell Vocational Project, 1990 - \$25,000  
GAR Foundation, Akron, Ohio  
Rainbow Sickle Cell Anemia Center  
1991 - \$25,000  
National Heart, Lung and Blood Institute  
NIH (I-RO1 HC45692-01A1)  
Approved and Funded for 1991-1994 (\$152,700)  
Multicenter Study of Hydroxyurea in Sickle Cell Anemia  
Local P.I. - Susan Shurin, M.D.  
Clinical Coordinator - Brian Berman, M.D.

Caremark Inc. Grant  
Long Term Central Venous Access  
Devices in patients with Sickle Cell Disease  
and Other Hematology Disorders  
1993 - \$16,000  
1994 - \$16,000  
1995 - \$16,000

Cleveland Cliffs Foundation  
Educational Needs Assessment in Sickle Cell Anemia  
1996-7 - \$6,000

Medical College of Georgia  
NIH RO1 U10-HL52193  
Stroke Prevention (STOP) Trial in Sickle Cell Disease  
Local P.I. - Brian Berman  
1994-1995 - Indirect cost \$16,387  
Direct cost \$32,774  
1995-1996 - Indirect cost \$17,043  
Direct cost \$34,085  
1996-1997 - Indirect costs \$17,043  
Direct cost - \$34,085  
1997-1998 - Indirect costs \$17,043  
Direct cost - \$34,085  
1998-1999 - Indirect costs \$11,666  
Direct cost - \$23,331

1999-2000 - Indirect costs \$10,388  
Direct cost - \$15,686  
2000-2001 - Indirect costs \$15,346  
Direct cost - \$30,090  
2001-2002 - Indirect costs \$16,450  
Direct cost - \$32,255  
2002-2003 - Indirect costs \$9,954  
Direct costs -\$19,518  
2003-2004 - Indirect costs \$10,740  
Direct cost - \$21,060

Washington University in St. Louis  
NIH 1R01 NS42805  
Silent Infarct Transfusion Trial (SITT) in Sickle Cell Disease  
Local P.I. – Brian Berman  
2003-2004 – Indirect costs \$14,237  
Direct cost - \$66,190  
2004–2005 Indirect costs \$30,000 (estimated)  
Direct cost – \$66,000 (estimated)

**LICENSURE:**

4/80-Present: State of Ohio  
#44644

**BOARD CERTIFICATION:**

1979 American Board of Pediatrics  
1980 American Board of Pediatrics,  
Sub Board of Pediatric Hematology/Oncology

**BOARD RECERTIFICATION:**

1989 American Board of Pediatrics  
1989 American Board of Pediatrics,  
Sub Board of Pediatric Hematology/Oncology

**PROFESSIONAL**

**SOCIETIES:** American Academy of Pediatrics (Fellow)  
American Academy of Pediatrics Ohio Chapter  
Ambulatory Pediatric Association  
American Society of Hematology  
American Society of Pediatric Hematology/Oncology  
Northern Ohio Pediatric Society

**N.I.H. SUPPORTED NATIONAL COOPERATIVE RESEARCH PARTICIPATION:**

Multicenter Study of Hydroxyurea in Sickle Cell Disease (1993-6)  
(Dr. Samuel Chararche, National Principal Investigator)

Stroke Prevention Trial in Sickle Cell Disease I and II (1994—present)  
(Dr. Robert Adams, National Principal Investigator)

Silent Infarction Transfusion Trial in Sickle Cell Disease (2003-present)  
(Dr. Michael DeBaum, National Principal Investigator)

**FACULTY PRACTICE PLAN****ADMINISTRATIVE/LEADERSHIP APPOINTMENTS:**

1985-1988	Board of Directors, University MEDNET (multi-specialty group practice)
1994-1998 2004-Present	Board of Directors, University Faculty Practice Association (the faculty practice plan of all full time faculty of CWRU at University Hospitals of Cleveland)
1995-Present	Vice President, Children's Research Foundation of Cleveland (the faculty practice plan of the Department of Pediatrics)
1996-2000	Contracting Committee, University Faculty Practice Association
1998-2000	Manpower Working Group, University Faculty Practice Association

**EDITORIAL BOARDS**

1999-Present      **CLINICAL PEDIATRICS**

**JOURNAL REVIEWER**

1993-1994	BLOOD - The Journal of the American Society of Hematology
2000, 2001	Journal of Urology
2003	Journal of Health Care for the Poor and Underserved

**COMMITTEES: Department of Pediatrics, Rainbow Babies & Childrens Hospital and University Hospitals of Cleveland, Case Western Reserve University School of Medicine, Cleveland, Ohio**

1989-1991 1993-2000	Resident Selection Committee
1992-Present	Pediatric Liaison Committee (1994-Present Co-Chair)
1993-1995	Fringe Benefit Committee
1993-Present	Academic Planning Committee
1994-1996	Finance Committee
1995-Present	Transfusion Committee (Chairman): University Hospitals of Cleveland
1995-1997	Health Services Research Director Search Committee (Chairman)
1995-1996	Acute Care Pediatric Nurse Practitioner Program: Physician Representative
1996-1999	Media Relations Committee
1997-2000	Committee on Promotions, Appointments and Tenure Department of Pediatrics
1997-Present	Medicaid Managed Care Task Force: University Hospitals of Cleveland
1998-1999	Pediatric Sports Medicine Search Committee
2001-2002	Chair Search Committee

**MetroHealth Medical Center**

- 2001-Present**      **Executive Steering Committee: Rainbow Office Base  
Clinical Research Network**
- 2001-2003**      **Practice Management Committee, Department of Pediatrics,  
Rainbow Babies & Childrens Hospital**
- 2002**              **Coagulation Testing AdHoc Committee  
University Hospitals of Cleveland**

**EDUCATIONAL ACTIVITIES:****Medical Student/Pediatric House Staff Education (see Honors and Awards)**

- 1980-2003**      **Pediatric Hematology/Oncology Teaching Rounds:  
Supervision (approx. 1 hr. per week) of in-patient teaching rounds at Rainbow  
Babies and Childrens Hospital**
- 1989-Present**      **Pediatric Inpatient Medical Student Teaching Attending Physician 1-2 months  
per year, Rainbow Babies and Childrens Hospital**
- 1989-Present**      **Pediatric Hematology/Oncology Elective  
Active participant in rotations available  
to medical students and house officers**
- 1993-Present**      **Resident/Medical Student Preceptor (4 hours per week)  
Ambulatory Pediatric Clinic  
Rainbow Babies and Childrens Hospital**
- 1993-1998**      **Preceptor of Pediatric Residents (4 hours per week)  
Private Pediatric Practice  
University MEDNET  
Mentor, Ohio**
- 1989-Present**      **Faculty Advisor for several Pediatric House Officers  
(A. Hertz, A. Berman, R. Grossberg, M. Salinsky  
J. Splain, A. Gruber, E. Rosario, D. Rukin, S. Pomeranets, B. Stout,  
K. Patra, A. Spanier)**
- 1990, 1991,  
1992, 1993,  
1995, 1996,  
1997, 1998**      **Science Day Faculty Mentor  
(resident/medical student research projects and  
presentations) Rainbow Babies and Childrens Hospital**
- June 8, 1990**  
**Cyclosporin A: Treatment for Diamond-Blackfan Anemia.  
J. Splain and B. Berman**
- Acute Chest Syndrome and Intravenous Narcotic Therapy in Children with Sickle Hemoglobinopathy. J.J.  
Letterio and B. Berman**
- June 7, 1991**  
**Prevalence of Antibiotic-Resistant Streptococcus Pneumoniae Nasopharyngeal Colonization in Children  
with Sickle Cell Anemia. M.E. Schricker, M. Jacobs, J. Schreiber, K. Chiarucci, J. Kerman, A. Noe, B.  
Berman.**
- Transient Erythroblastopenia of Childhood in Infants Less Than Six Months of Age. R. Miller and B.  
Berman**

**Long-Term Central Venous Access in Patients with Sickle Cell Disease. A. Abdul-Rauf, M. Gauderer, B. Berman**

**June 5, 1992**

**Zinc Protoporphyrin Screening for Iron Deficiency and Lead Toxicity in a Suburban Pediatric Population: Incidence and Cost Effectiveness. S. Spanier and B. Berman**

**June 9, 1993**

**Newborn Screening for Hemoglobinopathy at University Hospitals/Rainbow Babies and Childrens Hospital: 1989-1992, M. Jung and B. Berman**

**June 5, 1995**

**Ambulatory Practice Patterns of Pediatricians and General and Family Practitioners. A. Hertz and B. Berman**

**Coronary Artery Disease as a Late Manifestation of Radiation Therapy for Hodgkins Disease: A Case Report. A. Berman and B. Berman**

**Splenic Sequestration in Sickle Cell Patients at Rainbow Babies and Childrens Hospital: A Decade Experience. L.J. Mock and B. Berman**

**June 6, 1996**

**Recurrent Immune Cytopenias in Two Patients with 22q 11.2 Deletion. A. DePiero, B. Berman, N. Robin, A. Zinn, E. Lourie, R. Hostoffer**

**Epstein-Barr Virus Induced Persistent Hepatitis Leading to Chronic Liver Disease: A Novel Case Report. K. Lidsky, J.T. Boyle, B. Berman**

**Is the Incidence of Acute Appendicitis Reduced in the Sickle Cell Disease Population? P. Antall, B. Berman**

**June, 1997**

**Identifying Cardiac Dysfunction Due to Iron Overload in Transfusion Dependent Children and Young Adults. W. Suarez, S. Snyder, C. Patel, B. Berman**

**Bacteremia and Sepsis in Children with Sickle Cell Disease (SSD): A 12 Year Experience at Rainbow Babies & Childrens Hospital (RB&C). G. Holzmann and B. Berman**

**June, 1998**

**Reading Habits of Pediatric Residents and Generalist Faculty and the Utility of a Monthly Summary of the Medical Literature as an Educational Intervention. H. Lorenz and B. Berman**

**June 2000**

**Long Term Erythrocytopenia in Patients with Sickle Cell Anemia: A Model for Predicting Exchange Transfusion Volume and Frequency. A. Villella, M.A. O’Riordan, B. Berman**

**June 2001**

**Celiac Disease Presenting as Refractory Iron Deficiency Anemia R. Kinman and B. Berman**

**June 2002**

**Clinical and Laboratory Features of Henoch Schonlein Purpura in Hospitalized Children: A 10 year Retrospective Review. J. Callaghan, M. A. O’Riordan, B. Berman**

**1991-Present**

**Medical Student Pre-Clinical Elective Program**

**Participating faculty and student advisor:**

- 1. Chronic Diseases in Children; and**
- 2. Cancer and Blood Diseases in Children**

1990, 1991, Medical Apprentice Program Clinical Preceptor  
1992, 1993, Health Careers Enhancement Programs for Minorities  
1999, 2000, CWRU School of Medicine  
2001, 2002 Dr. James Phillips, Director  
2004

1994 - Present Pediatric Physical Diagnosis Instructor  
Second Year Medical Student Program  
CWRU

1980-Present Pediatric House Staff Lectures,  
Conferences, and Management Conferences,  
See Appendix I

1980-Present Continuing Medical Education Presentations,  
Grand Rounds, Invited Presentations  
and Guest Lectures,  
See Appendix I

1992 - Present Second Year Medical Student Lecture Series:  
The Biologic Basis of Disease II. Hematology Course  
See Appendix I

1995-2003 Senior Rounds Teaching Attending Physician,  
Rainbow Babies & Children Hospital  
1 hour/day; 6 weeks/year

1998 Primary Care Tract Research Day  
Case Western Reserve University  
School of Medicine - Moderator

**PUBLICATIONS:**

**Articles (Peer Reviewed):**

- 1. Berman, B.W., Binder, R., and Cornfield, D. Burkitt lymphoma in patient with neurofibromatosis and pheochromocytoma. JAMA, 237:993, 1977.**
- 2. Berman, B.W., King, F.H. Rubinstein SD and Long SS: Bacteroides Fragillis meningitis in a neonate successfully treated with metronidazole. J Pediatr, 93:793, 1978.**
- 3. Berman, B.W., Krieger, A and Naiman, J.L. A new method of calculating volumes of blood required for partial exchange transfusion. J Pediatr, 94:86, 1979.**
- 4. Benz, E., Murnane, M., Berman, B., Cavallesco, C., Foget, B., and Hoffman, R. Embryonic-fetal characteristics of a human leukemia cell line. Proc. Nat'l. Acad. Sci., 77(6):3509-3513, 1980.**
- 5. Berman, B.W., Ritchey, A.K., Schwartz, A. and Pearson, H.A. Developmental aspects of thalassemia trait during childhood and adolescence. J Pediatr, 97:901, 1980.**
- 6. Ritchey, A.K., Andiman, W., McIntosh, S., Berman, B., and Luce, D. Mononucleosis syndrome following granulocyte transfusion in patients with leukemia. J Pediatr, 97:267, 1980.**
- 7. Berman, B.W., McIntosh, S., Goldenring, H. and Prosnitz, L.R. Hodgkin's disease presenting as epitrochlear adenopathy. Am. J. Dis. Child, 134:319, 1980.**

8. Berman, B.W., Freedman, R. and Komp, D. Leukopenia associated with repeated exchange transfusion in the newborn. *Am. J. Ped. Hem. Onc.*, 2:77, 1980.
9. Benz, E., Berman, B., Tonkonow B., Coupal, E., Coates, T., Boxer, L., Altman, A., Adams, J. Molecular analysis of the beta thalassemia phenotype associated with inheritance of hemoglobin E (a2B2 Glu-Lys). *J. Clin. Invest.*, 68:118-126, 1981. (See appended letter).
10. Berman, B.W., McIntosh, S., Clyne, L.P., Goldberg, B., Lobel, J., and Komp, D.M. Spontaneously acquired Factor IX inhibitor in childhood. *Am. J. Ped. Hem. Onc.*, 3:77, 1981.
11. Hammond, W., Berman, B., Wright, D., and Dale, C.C. Lithium is an ineffective therapy for human cyclic hematosclerosis. *Blood*, 61:1024, 1983.
12. Gordon, E.M., Klein, B.L., Berman, B.W., Strandjord, S.E., Simon, J.E. and Coccia, P.E. Reduction of contact factors in sickle cell disease. *J Pediatr*, 106:427, 1985.
13. Saracco, S., Abramowsky, C., Taylor, S., Silverman, R.A., Berman, B.W. Spontaneously regressing adrenocortical carcinoma in a newborn. A case report with DNA ploidy analysis. *Cancer*, 62:507, 1988.
14. Wiznitzer, M., Ruggieri, P.M., Masayk, T.J., Ross, J., Modic, M. and Berman, B. Diagnosis of cerebrovascular disease in sickle cell anemia using magnetic resonance angiography. *J Pediatr*, 117:551, 1991.
15. Wiznitzer, M. and Berman, B. Subarachnoid hemorrhage in sickle cell anemia: evaluation using parenchymal and vascular magnetic resonance imaging. *Neurology*, 41:1521, 1991.
16. Splain, J. and Berman, B. Cyclosporin A treatment for Diamond-Blackfan anemia. *Am. J. Hematology*, 39:208, 1992.
17. Hall, H., Chiarucci, K., Berman, B. Self-Regulation and assessment approaches for vaso- occlusive pain management for pediatric sickle cell anemia patients. *Int. Journal of Psychosomatics*, 39:28, 1992.
18. Schricker, M.E., Jacobs, M., Schreiber, J., Chiarucci, K., Kerman, J., Noe, A., and Berman, B. Prevalence of antibiotic-resistant *Streptococcus Pneumoniae* nasopharyngeal colonization in children with sickle cell anemia. *Ped. Inf.Dis.J.*, 12:775, 1993.
19. Miller, R. and Berman, B. Transient erythroblastopenia in infants less than 6 months of age. *Am. J. Ped. Hem. Onc.* 16:246, 1994.
20. Smith, A., Haack, E., Lin, W., Berman, B. and Wiznitzer, M. Short versus long echo time for cranial MR angiography in children and adults. *Am.J. Neuroradiol*, 15:1557, 1994.
21. Pegelow, C.H., Adams, R., Mckie, V., Abboud, M. Berman, B., Miller, S., Oliveri, N., Vichinsky, E. and Wang, W. Risk for recurrent cerebral infarction in sickle cell disease during chronic transfusion therapy. *J Pediatr*, 126:896, 1995.
22. Rauf, A., Gauderer, M. Chiarucci, K., and Berman, B. Central venous access devices in patients with sickle cell anemia: incidence of infectious and thrombotic complications. *Am. J. Ped. Hem.Onc.*, 17:342, 1995.
23. Brooks, L.J., Koziol, S.M., Chiarucci, K.M., and Berman, B.W. Sleep disordered breathing in patients with sickle cell anemia. *Am J Ped Hem.Onc.* 18:135-9, 1996.
24. DePiero, A.D., Lourie, E.M., Berman, B.W., Robin, N.H., Zinn, A.B. and Hostoffer, R.W. Recurrent immune cytopenias in two patients with DiGeorge/velocardiofacial syndrome. *J. Pediatr*, 131:484-6, 1997.
25. Kralovics, R., Indrak, K., Stopka, T., Berman, B.W., Prchal, J.F. and Prchal, J.T. Two new EPO receptor mutations: truncated EPO receptors are most frequently associated with primary familial and congenital polycythemia. *Blood*, 90:2057-61, 1997.

26. Adams, R., McKie, V.C., Brambilla, D., Nichols, F.T., Carl, E., Gallagher, D., Roach, S., Abboud, M., Berman, B., et. al. Stroke prevention trial in sickle cell anemia ("STOP"): Study Design. *Controlled Clin Trials*, 1:110-29 1997.
27. Antal, P., Gauderer, M., Koshy, M. and Berman, B. Is the incidence of appendicitis reduced in patients with sickle cell anemia? *Pediatrics*, 101:98-9, 1998.
28. Mock, L. and Berman, B. The clinical and laboratory profile of acute splenic sequestration in children with sickle cell disease: A ten year single institutional experience. *Int. J. Ped. Heme. Onc.*5:287-91, 1998.
29. Adams, R., McKie, V., Hsu, L., Files, B., Vichinsky, E., Pegelow, E., Abboud, M., Woods, G., Oliver, N., Driscoll, E., Miller, S., Brambilli, D., Wang, W., Hurlet, A., Sher, P., Berman, B., et.al. Transfusion prevents first stroke in children with sickle cell anemia and abnormal transcranial doppler: The STOP trial. *New Eng. J. Med.*, 339:5-11, 1998.
30. Surez, W., Snyder, S., Berman, B., Brittenham, G. and Patel, C. Preclinical cardiac dysfunction in transfusion-dependent children and young adults detected with low-dose dobutamine stress echo-cardiography. *J. Am. Soc. Echocardiography*, 11:948-956, 1998.
31. Holzmann, G. and Berman, B. Bacteremia and sepsis in children with sickle cell anemia: a twelve year single institutional experience. *Int.J.Ped.Heme.Onc.*, 5:411-415, 1998.32. Ponitz, K., Mortimer, J. and Berman, B.W. Establishing a pediatric hospitalist program at an academic children's hospital. *Clinical Pediatrics*, 39:221-227, 2000.
33. Vreman, H., Wong, R., Fanaroff, A., Berman, B., et. al. Validation of the Natus Co-Stat end tidal breath analyser in children and adults. *J Clin Monitoring and Computing*, 15:421-427, 1999.
34. Berman, B. The academic children's hospital primary care clinic: responding to the challenges of a rapidly changing health care environment. *Clinical Pediatrics*, 39:473-477, 2000.
35. Sullivan, J. and Berman, B. Hypermagnesemia presenting as lethargy and hypotonia in a 4 week old infant. *Arch Ped Adol Med*, 154:1272-1274, 2000.
36. Miller, S.T., Wright, E., Berman, B., et al. Impact of chronic transfusion on non-neurologic events during the stroke prevention trial in sickle cell anemia (STOP). *J Pediatric*, 139:785-9, 2001.
37. Scothorn, D.J., Price, C., Schwartz, D., Berman, B., et al. Risk of recurrent stroke in children with sickle cell disease receiving blood transfusion therapy for at least five years after initial stroke. *J. Pediatrics*, 140:348-54, 2002.
38. Driscoll, M.C., Hurlet, A., Styles, L., Berman, B., et al. Stroke risk in siblings with sickle cell anemia. *Blood*, 101:2401-04, 2003.
39. Abboud, M.R., Cure, J., Granger, S., Berman, B., et al. Magnetic resonance angiography in children with sickle cell disease and abnormal transcranial Doppler ultrasonography enrolled in the "STOP" study. *Blood*, 7:103 2822-2826, 2003.
40. Adams, R.J., Brambilla D.J., Granger, S., Berman B.W., et al. Stroke and conversion to high risk in children screened with transcranial Doppler ultrasound during the STOP study. *Blood*, 103:3689-3694, 2004. 41. Furman, L. and Berman, B.W. Rethinking the AAP attention deficit/hyperactivity disorder guidelines. *Clin Pediatr*, 43:61-3, 2004.
42. Beck, M. and Berman, B.W. Thrombophilia: a pediatric perspective. Accepted for publication, *Clin Pediatr*, 2004. Letters to Editor:
1. Paul Grundy, Perry Telzerow, Daniel Haber, Brian Berman, Carlos Abramowsky, Donald Norris, Fred Li, Malcolm Paterson and Judy Garber. Chromosome 11 uniparental isodisomy predisposing to embryonal neoplasms. *Lancet*, 338:1079, 1991.

2. John, C.C., Aouad, G., Berman, B., and Schreiber, J.R. Successful carbapenem treatment of multiply resistant pneumococcal meningitis. *Ped. Inf. Dis. J.*, 16:1009-10, 1997.
3. Berman, B. and Holzmann, G. Sick cell anemia - how sick. *J. Pediatr.*, 131:651, 1997.
4. Berman, B. and Craven, D. Asthma and the acute chest syndrome of sickle cell anemia. *J. Pediatr.*, 137:589, 2000.

#### Presentations at National Meetings

1. Benz, E., Tonkonow, B., Murnane, M., Berman, B., Cavallesco, C., deRiel, J., Foget, B., and Hoffman, R. Constitutive and hemin-enhanced globin gene expression in a human leukemic cell line. Presented, American Society for Clinical Investigation, May 12, 1980. *Clin Res* 28:490A, 1980.
2. Benz, E., Berman, B., Tonkonow, B., Coupal, E., Coates, T., Boxer, L., Altman, A., Adams, J. Molecular Analysis of the beta thalassemia phenotype associated with inheritance of hemoglobin E. Presented at the 37th Annual Meeting of the American Federation for Clinical Research, May, 1980, Washington, D.C. *Clin Res* 28:305A, 1980.
3. Gordon, E.M., Klein, B.C., Berman, B.W., Strandjord, S.E., Simon, J.E. and Coccia, P.E. Evidence for reduction of contact facts in sickle cell disease. Presentation and Abstract, Soc Ped Res, Washington, D.C., May 1985.
4. Wiznitzer, M., Masaryk, T.J., Berman, B., Shurin, S. Diagnosis of cerebrovascular disease in sickle cell anemia using magnetic resonance angiography. Presented September 16, 1989, Annual Meeting of American Society of Pediatric Hematology/Oncology. *Am J Ped Hem/Onc* 12:107, 1990.
5. Letterio, J. and Berman, B. Acute chest syndrome and intravenous narcotic therapy in children with sickle hemoglobinopathy. Presented at Research Session of Annual Meeting of American Society of Pediatric Hematology/Oncology, September, 1990. *Am J Ped Hem/Onc* 13:103, 1991.
6. Hall, H., Chiarucci, K., Lawson, M., and Berman, B. Management approaches for sickle cell anemia patients experiencing recurrent vaso-occlusive pain. Platform Presentation and Abstract, Annual Meeting of National Sickle Cell Program, March, 1991.
7. Wiznitzer, M., Smith, A., Lin, W., Haacke, M. and Berman, B. Neurologic dysfunction in sickle cell disease: assessment using parenchymal and angiographic magnetic resonance imaging. Platform Presentation and Abstract, Annual Meeting of National Sickle Cell Program, March, 1991.
8. Brooks, L., Koziol, S., Chiarucci, K. and Berman, B. Sleep disordered breathing in patients with sickle cell anemia. Platform Presentation and Abstract, Society for Pediatric Research, April, 1991.
9. Smith, A., Wiznitzer, M., and Berman, B. MRI/MRA in sickle cell disease: correlation with neurologic dysfunction. Presented at Annual Meeting of American Society of Neuro Radiology, June, 1991.
10. Schricker, M. E., Jacobs, M., Schreiber, J., Chiarucci, K., Kerman, J., Noe, A., and Berman, B. Prevalence of antibiotic-resistant *Streptococcus Pneumoniae* nasopharyngeal colonization in children with sickle cell anemia. Presented at the Annual Meeting of American Society of Pediatric Hematology/Oncology, September, 1991. *Am J Ped Hem/Onc* 13:103, 1991.
11. Rauf, A., Gauderer, M., and Berman, B. Central venous access devices in patients with sickle cell anemia. Presented at Annual Meeting of American Society of Pediatric Hematology/ Oncology, September, 1991. *Am J Ped Hem/Onc* 13: 104, 1991.
12. Boswell, M.V., Chiarucci, K., and Berman, B.W. Continuous epidural infusion of low dose bupivacaine and morphine for management of sickle cell pain crises. Presented at the Annual Meeting of National Sickle Cell Program, March 1992.

13. Miller, R. and Berman, B.W. Transient erythroblastopenia of childhood in infants less than 6 months of age. Presented at The Fifth Annual Meeting of The American Society of Pediatric Hematology/Oncology, 1992.
14. Smith, A., Haacke, E.M., Lin, W., Wiznitzer, M., and Berman, B. TE5 vx TE8: Utility of short TE, 3D TOF intracranial MRA in children compared to adults. Presented at the Annual Meeting of the American Society of Neuroradiology, May 1993.
15. Wiznitzer, M., Smith, A., Lin, W., Haacke, M., Berman, B. Brain MRI findings in sickle cell disease: Correlation with cerebrovascular status defined by magnetic resonance angiography (MRA). Presented at the Annual Meeting of the National Sickle Cell Program, May 1993.
16. Hertz, A.R. and Berman, B.W. Ambulatory practice patterns of pediatricians and general and family practitioners. Platform presentation at annual meeting of Ambulatory Pediatric Assoc., May 1995. Arch Pediatr Adolesc Med, 149:P58, 1995.
17. Mock, L., Chiarucci, K., Berman, B. Splenic sequestration in children with sickle cell anemia: A ten year experience. Presented at Annual Meeting of the National Sickle Cell Program, March, 1996.
18. DePiero, A., Berman, B., Robin, N., Zinn, A., Lourie, E., and Hostoffer, R. Recurrent immune cytopenias in two patients with 22q 11.2 deletion. Presented at the Annual Meeting of the Clinical Immunology Society, May, 1996.
19. Adams, R., Brambilla, D., McKie, V., Files, B., Vichinsky, E., Abboud, M., Hsu, L., Pegelow, C., Woods, G., Miller, S., Wang, W., Olivieri, N., Berman, B., Hurler, A., Driscoll, C., Scher, C., Wright, E., Gallagher, D., Carl, E., Nichols, F., Kutlar, A., Zimmerman, R. Stroke prevention in sickle cell disease (STOP): Baseline characteristics of trial patients. Presented at Annual Meeting of the National Sickle Cell Program, September, 1997.
20. Holzmann, G. and Berman, B. Bacteremia and sepsis in children with sickle cell disease: A 12 year experience at Rainbow Babies and Childrens Hospital. Presented at Annual Meeting of the National Sickle Cell Program, September, 1997.
21. Driscoll, M.D., Hurler, A., Berman, B., Files, B., Byrne, J. Stroke in SIB-pairs with sickle cell disease. Blood, 90:264a, 1997. Presented at Annual Meeting of American Society of Hematology.
22. Abboud, M.R., Cure, D., Gallagher, D., Berman, B., Hsu, L., Wang, W., Woods, G., Brambilla, D., Lewin, J., Zimmermann, B., and Adams, R. Magnetic resonance angiography in children with abnormal TCD in the STOP study. Presented at the Annual Meeting of the National Sickle Cell Program, 1998.
23. Palermo, K., Gutin, H., Craig, H., Drotar, D., Berman, B. Quality of life in pediatric sickle cell disease. Presented at Plenary Session of Annual Meeting of The Sickle Cell Disease Association of America, September, 1999.
24. Miller, S., Wright, E., Abboud, M., Berman, B., et. al. Impact of chronic transfusion on non-neurologic events during the stroke prevention trial in sickle cell anemia (STOP). Presented at Annual Meeting of the National Sickle Cell Program, April, 2000.
25. Brambilla, D., Niekol, F., Abboud, M., Berman, B., et. al. Reproducibility of transcranial doppler ultrasound in children with sickle cell disease. Presented at Annual Meeting of the National Sickle Cell Program, April 2000. 26. Odo, P., McKie, V.C., Kwiatkowski, J., Berman, B.W., et. al. Retrospective study of hydroxyurea's impact on stroke and transcranial Doppler ultrasound. Presented at the Meeting of the National Sickle Cell Program, April, 2004.

#### Poster Presentations at National Meetings:

1. Berman, B., Boxer, L., Altman, A., Coates, T., and Benz, E. Molecular analysis of beta thalassemia

- phenotype associated with HbE. Presented Poster Session, American Federation of Clinical Research Meeting, May 12, 1980. Clin Res 28:305A, 1980.
2. Wiznitzer, M., and Berman, B. Subarachnoid hemorrhage in sickle cell disease: evaluation using parenchymal and angiographic magnetic resonance imaging. Presented at Poster Session of Annual Meeting of American Society of Pediatric Hematology/Oncology, September, 1990. Am J Ped Hem/Onc 13:116, 1991.
  3. Splain, J., and Berman, B. Cyclosporine - A treatment of Diamond Blackfan anemia. presented at Poster Session of Annual Meeting of American Society of Pediatric Hematology/Oncology, September, 1990. Am J Ped Hem/Onc 13:117, 1991.
  4. Hupertz, V.F., Bartolone, C., Chiarucci, K., and Berman, B.W. Prevalence of hepatitis C virus antibody positivity in transfused sickle cell anemia patients. Poster Presentation at the Annual Meeting of National Sickle Cell Program, March 1992.
  5. Chiarucci, K. and Berman, B.W. Home intravenous Desferal chelation therapy in patients with sickle cell anemia. Poster Presentation at the Annual Meeting of National Sickle Cell Program, March 1992.
  6. Berman, B.W., Chiarucci, K. Assessment of the utility and validity of pulse oximetry measurements in patients with sickle cell anemia. Poster Presentation at the Annual Meeting of National Sickle Cell Program, March 1992.
  7. Eddie, A.M., Reynolds, L., Chiarucci, K., Hall, H., and Berman, B. Art therapy in sickle cell anemia patients: Celebrating multi-cultural diversity in the therapeutic milieu. Poster Presentation at the Annual Meeting of the National Sickle Cell Program, May 1993.
  8. Pegelow, C.H., Adams, R., Mckie, V., Abboud, M., Berman, B., Miller, S., Oliveri, N., Vichinsky, E., and Wang, W. Risk for recurrent cerebral infarction in sickle cell disease during chronic transfusion therapy. Poster Presentation at Annual Meeting of American Society of Hematology, Nov. 1993.
  9. Chiarucci, K., Rowbottom, L., Conti, K., Douglas, K., Berman, B. Development of a collaborative carepath for sickle cell vaso-occlusive pain management in pediatric patients. Poster presentation at Annual Meeting of the National Sickle Cell Program, May 1994.
  10. Hall, H., Chiarucci, K., Reynolds, L., Berman, B. A psycho-physiologic model for vaso-occlusive pain management. Poster presentation at Annual Meeting of the National Sickle Cell Program, May, 1995.
  11. Berman, B. and Chiarucci, K. Avascular necrosis of the femoral head in a child with sickle cell anemia receiving hydroxyurea therapy. Poster presentation at Annual Meeting of the National Sickle Cell Program, May, 1995.
  12. Berman, B., Koshy, M., Gauderer, M. Is the prevalence of appendicitis reduced in the sickle anemia population? Poster presentation at Annual Meeting of the National Sickle Cell Program, March, 1996.
  13. Chiarucci, K., Rowbottom, L., Berman, B. Implementation of a collaborative carepath for sickle cell vaso-occlusive pain management in pediatric patients. Poster presentation at Annual Meeting of the National Sickle Cell Program, March, 1996.
  14. Berman, B., Chiarucci, K., Monthly four day courses of high dose deferoxamine in chronically transfused patients with sickle cell anemia. Poster presentation at Annual Meeting of the National Sickle Cell Anemia Program, March, 1996.
  15. Adams, R., McKie, V., Files, B., Vichinsky, E., Abboud, M., Hsu, L., Pegelow, C., Woods, G., Miller, S., Wang, W., Olivieri, N., Berman, B., Hurler, A., Driscoll, C., Scher, C., Brambilla, D., Wright, E., and Nichols, F. Stroke prevention in sickle cell disease (STOP): Results of

transcranial doppler ultrasound screening stroke risk. Poster Presented at Annual Meeting of the National Sickle Cell Program, September, 1997.

16. Adams, R., McKie, V., Files, B., Vichinsky, E., Abboud, M., Hsu, L., Pegelow, C., Woods, G., Miller, S., Wang, W., Olivieri, N., Berman, B., Hurllet, A., Driscoll, C., Scher, C., Brambilla, D., Wright, E., Nichols, F. Stroke prevention in sickle cell disease (STOP): Results of transcranial doppler ultrasound screening stroke risk. Poster presented at American Heart Assoc. 23rd International Joint Conference on Stroke and Cerebral Circulation, 1998.

17. Adams, R., McKie, V., Files, B., Vichinsky, E., Abboud, M., Hsu, L., Pegelow, C., Woods, G., Miller, S., Wang, W., Olivieri, N., Berman, B., Hurllet, A., Driscoll, C., Scher, C., Brambilla, D., Wright, E., Nichols, F. Stroke prevention in sickle cell disease (STOP): Follow-up after closure of the trial. Poster presented at American society of Hematology, Dec. 1998.

18.

Villella, A., Gutin, H., Berman, B.W. Elevated serum lipase levels in sickle cell patients receiving chronic transfusion therapy. Poster presented at the Meeting of the National Sickle Cell Program, April 2004.

#### Abstracts:

1. Palmer, J., Schidlow, D.V., Foley, C., Berman, B., and Huang, N. Respiratory evaluation of children in a chlorine gas disaster: identification of risk factors. *Ped Res* 12:567, 1978.

2. Hoffman, R., Benz, E., Snyder, E., Mazur, E., Murnane M., Berman, B., Genko, J., and Foget, B. Characterization of human leukemic cell line with unique erythroid properties. *Blood* 54:172A, 1979.

3. Berman, B., Ritchey, A.K., Jekel, J., Schwartz, A., Guiliotis, D. and Pearson, H.A. Developmental hematology of beta thalassemia trait. *Ped Res* 14 (part 2), 531, 1980.

4. Gordon, E.M., Klein, B.C., Berman, B.W., Strandjord, S.E., Simon, J.E. and Coccia, P.E. The contact factors in sickle cell disease: evidence for chronic intravascular coagulation. *Blood* 62:56A, 1983.

5. Berman, B., and Clapp, W. Failure of standard dose erythropoietin therapy in Diamond- Blackfan anemia. Annual Meeting of American Society of Pediatric Hematology/Oncology, September, 1991.

6. Spanier, S. and Berman, B.W. Zinc protoporphyrin screening for iron deficiency and lead toxicity in a suburban pediatric population: Incidence and cost effectiveness. Annual Meeting of American Society of Pediatric Hematology/Oncology, 1992.

7. Marchesi, S.L., Benoit, L., Beardsley, P., Becker, P., Speicher, D., and Berman, B. Two Families with Spherocytosis and Unstable  $\beta$  Spectrin. *Blood*, 80:276a, 1992.

8. Molinari, M.B., Drug, S.E., Yamashita, T.S., Chiarucci, K., and Berman, B.W. Emergency Department utilization among children with sickle cell anemia. Annual meeting of the National Sickle Cell Program, May 1993.

9. Carl, E. Adams, R., McKie, V., Abboud, M., Berman, B., et al. Distribution of Transcranial Doppler (TCD) velocities in children with sickle cell disease (Hb ss): A multi-center pilot study. Annual meeting of the National Sickle Cell Program, May, 1995.

10. Reynolds, L., Stubbs, N., Huntley, K., Chiarucci, K., Berman, B. Sickle cell anemia adolescents support and education group. Annual meeting of the National Sickle Cell Program, May, 1995.

11. Kralovics, R., Tze, L., Guan, L., Indeak, K. Berman, B., Sokol, L., Prchal, J.T. Two unique epo receptor mutations associated with autosomal dominant primary familial and congenital polycythemia. *Blood* 86:18a, 1995.

12. Gauderer, M., Berman, B. Is appendicitis rare in patients with sickle cell anemia? Annual Meeting of the American Pediatric Surgical Association, 1996.

13. Suarez, W., Snyder, S., Patel, C., Berman, B. Identifying cardiac dysfunction due to iron overload in transfusion dependent children and young adults. Annual Meeting of the National Sickle Cell Program, September, 1997.
14. Adams, R., Brambilla, D., McKie, V., Files, B., Vichinsky, E., Abboud, M., Hsu, L., Pegelow, C., Woods, G., Miller, S., Wang, W., Olivieri N., Berman, B., Hurler, A., Driscoll, C., Scher, C., Wright, E., Gallagher, D., Carl, E., Nichols, F., Kutlar, A., and Zimmerman, R. Stroke prevention in sickle cell disease (STOP): Baseline characteristics of trial patients. *Blood*, 90:123a, 1997.
15. Adams, R., Brambilla, D., McKie, V., Berman, B., et al. Stroke prevention in sickle cell disease (STOP): Follow-up after closure of the trial. *Blood*, 92:527a (supplement 1), 1998.
16. Adams, R., Brambilla, D., McKie, V., Berman, B., et. al. Risk of stroke in children with sickle cell disease and abnormal transcranial doppler ultrasound. *Blood* (supplement), 1999.
17. Abboud, M.R., Cure, J., Gallagher, D., Berman, B., et.al. Magnetic resonance angiography in children with abnormal transcranial doppler in the "STOP" study. *Blood* (supplement), 1999
18. Adams, R., Brambilla, D., Berman, B., et. al. Transcranial doppler in children with sickle cell disease: pulsatility in relation to velocity. *Blood* (supplement, 2000).
19. Palermo, T., Schwartz, L., Gutin, H., Drotar, D., Berman, B. Impact of sickle cell pain on child and family quality of life. 5th International Symposium on Paediatric Pain, 2000.
20. Adams, R., Carl, E., Jones, A., Berman, B., et. al. Transcranial doppler in sickle cell disease: comparison of systolic and diastolic to mean velocities for stroke prevention. Annual Meeting of the National Sickle Cell Program, April 2000.
21. Scothorn, D., Schwartz, D., Price, C., Berman, B., et. al. Mortality and morbidity of strokes in children with sickle cell anemia receiving blood transfusion therapy for at least 5 years: a retrospective cohort of 138 patients. Annual Meeting of the National Sickle Cell Program, April, 2000.
22. Adams, R., Brambilla, D., McVie, V., Berman, B., et. al. Stroke prevention in sickle cell disease (STOP): final results. *Blood* (supplement), 2001.
23. Kutlar, A., Harbin, B., Jackson, B., Berman, B., et. al. Laboratory parameters in patients randomized in the STOP study and their modification by transfusion. *Blood* (supplement), 2001.
24. Brambilla, D., Oliveri, N., McVie, V., Berman, B., et. al. Changes in cerebral blood flow velocities during chronic transfusion therapy to prevent stroke in sickle cell disease. *Blood* (supplement), 2001.
25. Villella, A., O'Riordan, M., Carnaval, M., Gutin, H., and Berman, B. Long term erythrocytapheresis in patients with sickle cell anemia: A model for predicting exchange transfusion volume and frequency. *J Pediatr Hematol Oncol*, 23: A11, 2001.
26. Adams, R., Abboud, M., Berman, B., et. al. TCD in sickle cell disease (SCD): Focal vs. generalized velocity as an indicator of stroke risk. Annual Meeting of the American Academic of Neurology, 2001.
27. Driscoll, M.C., Hurler, A., Berman, B. Stroke Risk in Siblings with Sickle Cell Anemia. Annual Meeting of American Society of Hematology, 2001.
28. Palermo, T.M., Cox, S., Gutin, H., Berman, B. Pain disability and quality of life in children with sickle cell disease. Annual Meeting of the National Sickle Cell Program, 2002
29. Ramsingh, D., Adams, R.J., McKie, V., Berman, B., et. al. Effects of hydroxyuria treatment on transcranial Doppler velocities in sickle cell children. Annual Meeting of the National Sickle

## Cell Program, 2002

30. Odo, N., Adams, R.J., McKie, V., Berman, B., et. al. Effect of hydroxyurea on stroke risk in sickle cell anemia. Annual Meeting of the National Sickle Cell Program, 2002.
31. Adam, L., Jones, A., Granger, S., Berman, B., et. al. Peak systolic/diastolic TCD velocities for stroke prediction in sickle cell anemia. Annual Meeting of the Society for Pediatric Radiology, 2004.
32. Alvaret, O., Miller, S., Berman, B.W., et. Al. Evaluation of chronic transfusion practices in children with sickle cell disease. Annual Meeting of the National Sickle Cell Program, 2004.

### Books and Chapters:

1. Benz, E.J., Ghosh, P., Rokumaki, Y., Scarpa, A., Tonkonow, B., and Berman, B. Expression of the globin genes in normal, thalassemic and leukemic erythroid cells. In Regulation of Hemoglobin Biosynthesis. Goldwasser E, Editor. Elsevier Science Publishing Co., Inc., 1983.
2. Berman, B.W. Manual of Emergency Pediatrics, Fourth Edition, Reece, R., Editor. W. B. Saunders Co., 1992.  
 Chapters: Sickle Cell Anemia  
 Purpura  
 Pallor  
 Anemia  
 Neck Masses  
 Lymphadenopathy  
 Henoch Schonlein Purpura.
3. Berman, B.W. Pallor and Anemia. In Practical Strategies in Pediatric Diagnosis and Therapy. Kleigman, R., Nieder, M., and Super, D., Editors. W.B. Saunders Co., 1996, and Second Edition, 2004.
4. Schreiber, J. and Berman, B.W. Lymphadenopathy. In Practical Strategies in Pediatric Diagnosis and Therapy. Kliegman, R., Nieder, M., and Super, D., Editors. W. B. Saunders Co. 1996, and Second Edition, 2004.

## APPENDIX I

### Educational Presentations/Lectures/ Conferences/Invited Presentations 1986-Present

#### Pediatric

#### Grand Rounds: Rainbow Babies and Childrens Hospital (CME approved)

- |             |   |
|-------------|---|
| Sept., 1988 | “Splenic Dysfunction and Infection in Sickle Cell Anemia” |
| Nov., 1989  | “Long Term Consequences of Sickle Cell Anemia”            |
| March, 1991 | “The Spleen and Disturbance of Spleen Function”           |
| April, 1992 | “Bone Marrow Transplantation in Sickle Cell Anemia”       |
| Sept., 1993 | “Sickle Cell Anemia: Update 1993”                         |
| Nov., 1994  | “Anemia in the 1990’s”                                    |
| Jan., 1998  | “Sickle Cell Anemia: Update 1998”                         |
| May 2001    | “Sickle Cell Disease: What Happens When They Grow Up:     |

**Grand Rounds: At other institutions (CME approved)**

**Dec. 1985 Metro Health Medical Center, Cleveland, Ohio  
"Infection in Sickle Cell Anemia"**

**April 1986 Cleveland Clinic Foundation, Cleveland, Ohio  
"New Developments in Pediatric Hematology"**

**Dec. 1986 Mt. Sinai Medical Center, Cleveland, Ohio  
"New Developments in Pediatric Hematology"**

**June 1990 Mt. Sinai Hospital, Cleveland, Ohio  
"Prenatal and Neonatal Diagnosis of Hemoglobinopathy"**

**Oct. 1990 Fairview General Hospital, Cleveland, Ohio  
"Prenatal and Neonatal Diagnosis of Hemoglobinopathy"**

**Dec. 1993 Fairview General Hospital, Cleveland, Ohio  
"Approach to the Mildly Anemic Child"**

**Sept. 1995 MetroHealth Medical Center, Cleveland, Ohio  
"Anemia in the 1990's"**

**April 1996 Mt. Sinai Hospital, Cleveland, Ohio  
"Sickle Cell Anemia: Update 1996."**

**Feb. 1997 St. Luke's Hospital, Cleveland, Ohio  
"Hydroxyurea Therapy for Sickle Cell Anemia"**

**April 1999 Fairview Hospital, Cleveland, Ohio  
"Advances in The Care of Children With Sickle Cell Anemia"**

**March 2001 MetroHealth Medical Center, Cleveland, Ohio  
"Advances in The Care of Children With Sickle Cell Anemia"**

**Medical School Lectures:**

**March, 1992 Second Year Medical Student Hematology**

**March 1993 Committee Program: The Biologic Basis of Disease II:**

**March 1994 a) Red Blood Cell Structure & Function (2 hours)**

**April 1995 b) Sickle Cell Anemia (1 hour)**

**April 1996**

**April 1997**

**April 1998 (1998 Beta Thalassemia [1 hour]; in addition to above)**

**April 1999 (1999 Hemophilia Case Study [1 hour]; in addition to above)**

**April 2000**

**August 2000**

**August, 2001**

**August, 2002**

**August, 2003**

**August, 2004**

**National Workshop:**

**1. Berman, B., Mortimer, J., Ponitz, K., Boutry, M., Occhionero, S. Establishing a successful general pediatric and consultation service in an academic children's hospital setting. Presented at Annual Meeting of Ambulatory Pediatric Society, May, 1996. (3 hours)**

2. Hertz, A., DeBarr, M., and Berman, B. Development and operation of an after-hours nurse telephone advice center. Presented at Annual Meeting of Ambulatory Pediatric Association, May, 1997. (3 hours)

**Regional Conferences Organized:**

April, 1993      **Sickle Cell Anemia: Update 1992, Cleveland, Ohio**  
Sponsored by: The Rainbow Sickle Cell Anemia  
Center of Rainbow Babies and Childrens Hospital,  
American Sickle Cell Anemia Association,  
Sickle Cell Anemia Program at Akron Childrens Hospital,  
Sickle Cell Program of Lorain/Medina County

June 1996      **Update on Pediatrics in Clinical Practice:**  
**Interactive Workshops for Pediatricians and Family Physicians**  
Sponsored by Rainbow Babies & Childrens Hospital  
Oberlin, Ohio and Concord, Ohio

June 1997      **Pediatrics Today: Generalist/Specialist Cooperation**  
**in an Era of Managed Care**  
Interactive Workshops for Primary Care Physicians  
Sponsored by Rainbow Babies & Childrens Hospital  
Cleveland, Ohio

Sept., 1999      **Pediatric Today: Lessons and Opportunities for Pediatric**  
**Office-Based Research**  
Sponsored by Rainbow Babies & Childrens Hospital  
Cleveland, OH.

Oct., 2001      **Emergency Pediatrics for the Office Practitioner**  
Sponsored by Rainbow Babies & Childrens Hospital  
Cleveland, OH

**Pediatric Management Conferences: Rainbow Babies & Childrens Hospital**  
(CME approved)

July, 1989      **“21 Year Old Female with Severe Anemia and Variable Pancytopenia.”**

Sept., 1989      **“Transient Erythroblastopenia of Childhood.”**

Nov., 1989      **“Transient Erythroblastopenia in a 4 month old infant.”**

July, 1990      **“Sickle Cell Anemia: Osteomyelitis vs. Bone Infarction.”**

Nov., 1990      **“Mononucleosis Associated ITP.”**

July, 1991      **“Iron Deficiency Anemia.”**

April, 1992      **“Splenic Sequestration in Sickle Cell Disease.”**

July, 1992      **“Bacteremia in Sickle Cell Anemia.”**

July, 1992      **“Disseminated Intravascular Coagulation in Neonatal Herpes Sepsis.”**

Feb., 1993      **“A 2 Year Old Child with Purpura.”**

April, 1993      **“Acute Splenic Sequestration in Sickle Cell Disease.”**

June, 1993      **“Aplastic Crisis in Children with Chronic Hemolytic Anemia.”**

- May, 1994 "A Child with Sore Throat, Fever and Obstructed Breathing."
- July, 1994 "A Teen with Hgb H Disease."
- July 1994 "An Infant with Iron Deficiency."
- Aug., 1994 "A 4 Year Old Female with Short Stature."
- Dec., 1994 "The Acute Chest Syndrome of Sickle Cell Disease."
- March, 1995 "A 4 Year Old Child with Pneumonia and Empyema."
- April, 1995 "Thrombotic Disease in Children and Adolescents."
- Aug., 1995 "Salmonella Osteomyelitis in a Child with Sickle Cell Disease."
- Nov., 1995 "Neurofibromatosis"
- Dec., 1995 "Screening for Iron Deficiency Anemia"
- May, 1996 "Isoimmune Hemolytic Anemia"
- Aug., 1996 "A 17 Month Old with Hematochezia"
- Sept., 1996 "Sickle Cell Vaso-occlusive Pain"
- Nov., 1996 "Three Children with Leukocytosis"
- May, 1997 "A 15 Year Old with Fever, Rash, Hypotension and Liver Dysfunction"
- Jan., 1998 "Managed Care Scenarios"
- Aug., 1998 "Four Anemic Children"
- Nov., 1999 "An 11 Month Old with Persistent Fever and Leukocytosis"
- April, 2000 "A 5 Year Old with Sickle Cell Anemia, Hemiparesis and Altered Mental Status"
- May 2000 "A Teen with Jaundice, Hepatomegaly and Progressive Anemia"
- Nov., 2001 "Anemia in the Pediatric Patient: A 21st Century Approach"
- Sept., 2002 "A Teen with Altered Mental Status"
- Oct., 2002 "Anemia: Case Studies"
- Aug. 2002 "Anemia in the Pediatric Patient"
- Sept. 2003 "Post-Traumatic Stress Disorder and Teen Depression"
- Pediatric Management Conferences at Other Institutions: Mt. Sinai Medical Center, Cleveland, Ohio**
- Oct., 1986 "Sickle Cell Anemia"
- Aug., 1987 "Neutropenia"

- Aug., 1988 "Meningitis in Sickle Cell Anemia"
- Jan., 1989 "Stroke in Patients with Sickle Cell Anemia"
- Aug., 1989 "Sickle Cell Anemia - Infection and Pain"
- March 1990 "Acute Chest Syndrome in Sickle Cell Anemia"
- Jan., 1992 "Sickle Cell Vaso-Occlusive Pain Crises"

**Pediatric Ambulatory Resident Conferences: Rainbow Babies and Childrens Hospital**

1993-Present Conferences presented approximately twice a month  
Topics include: Well Child Care, Anemia, Sickle Cell Anemia; Visual Diagnosis Of Infectious Diseases; Visual Diagnosis of Hematologic Diseases; Newborn Screening for Hemoglobinopathy; Childhood Allergies; Urinary Tract Infections; Headaches; Otitis Media; Enuresis; Developmental Screening; Colic; Speech and Language Delay; Early Interventions; Lead Toxicity; Attention Deficit Disorder; Gastroenteritis; Encopresis; Dental Care; Cocaine Exposed Infants; Snoring; Immunizations; Growth and Development; Infant Nutrition; Orthopedic Problems; Failure to Thrive; Varicella; Sinusitis; Asthma; School Failure; Eczema; Ocular Problems; Syncope; Outpatient Antibiotics; Managed Care; Henoch-Schonlein Purpura; Telephone Medicine; Sleep Problems.

**General Pediatric Core Lecture Series: Rainbow Babies and Childrens Hospital**

- Sept., 1987 Pediatric Residents Conference,  
"Sickle Cell Anemia - Case Studies"
- Feb., 1988 General Pediatric Care Conference,  
"Diagnostic Approach to Anemia"
- April, 1989 Pediatric Resident Core Conference,  
"The Painful Crisis of Sickle Cell Anemia"
- Dec., 1990 Pediatric Emergency Room Conference/Lecture  
"Purpura"
- Jan., 1995 Pediatric Emergency Medicine Lecture Series  
"The Child with Purpura"
- Jan., 1995 Pediatric Core Lecture Series  
"The CBC of the 90's: New Age Information"
- Jan., 1995 Emergency Medicine Core Lecture Series  
"The Child with Petechiae/Purpura"
- Jan., 1996 Pediatric Core Lecture Series  
"Evaluation of the Mildly Anemic Child"
- March, 1998 Sickle Cell Anemia: Adolescence into Adulthood
- Aug., 2000 Sickle Cell Anemia: The Adolescent and Young Adult
- Dec., 2002 Sickle Cell Anemia: Pediatric/Young Adult Issues

**Family Practice Resident Conference: University Hospitals of Cleveland**

Oct., 1989 "Sickle Cell Anemia"

March, 1992 "Sickle Cell Anemia"

Sept. 1997 "Sepsis and Meningitis"

Oct. 2003 "Sickle Cell Anemia: Adolescent/Young Adult Problems"

**Internal Medicine Resident Conference: University Hospitals of Cleveland**

1990-1992 "Sickle Cell Anemia"

**Intern Orientation Lecture Series: Rainbow Babies and Childrens Hospital**

1989-Present "Sickle Cell Anemia"

**Pediatric Resident Board Review Course: Rainbow Babies & Childrens Hospital**

Jan., 1992 "Anemia"

April, 1993 "Anemia"

April 1996 "Attention Deficit Disorder"

1997-Present "Anemia and Purpura"  
(yearly)

**"Pediatric Today" CME Series: Rainbow Babies & Childrens Hospital**

1990 Advances in Pediatrics: Update Pediatric Hematology/Oncology  
"Neonatal Diagnosis of Hemoglobinopathy"

1993 Update in Pediatric Hematology/Oncology  
"Office Evaluation of Anemia"

1994 Pediatrics Today:  
"Evaluation of the Anemic Child in the 1990's"

1996 Update on Pediatrics in Clinical Practice  
"New Approaches to the Diagnosis of Anemia"

1999 Pediatric's Today:  
"The Role of Office Based Research in Addressing Gaps  
in Treatment Paradigms"

2001 Pediatric's Today  
"Case Studies in Adolescent Hematology"

2002 Pediatric's Today  
"Evaluating the Child With Anemia"

**Guest Lectures and Invited Presentations:**

- 1987 St. Christopher's Hospital for Children  
Philadelphia, PA  
"Idiopathic Thrombocytopenia Purpura" and  
"Sickle Cell Anemia"
- 1990 Sharp Memorial Hospital  
San Diego, CA  
"Sickle Cell Anemia: Prenatal and Neonatal Diagnosis and Infectious Complications"
- 1990 Sickle Cell Anemia Update  
Dayton, OH  
Participant in "Ask the Expert" panel
- 1991 National Institute of Health, Sickle Cell Branch of National Heart, Lung and Blood Institute  
Scientific Advisory Committee - Drs. Wiznitzer and Berman - "Use of Magnetic Resonance Angiography in  
Assessing the Central Nervous Systems Complications of Sickle Cell Anemia"
- 1991 Department of Pediatrics  
Case Western Reserve University  
Chairman's Club Fall Meeting  
"Sickle Cell Anemia: From Molecule to Man"
- 1991 American Sickle Cell Anemia Association Conference Sickle Cell Anemia Management and  
Care: A New Horizon  
"New Issues in Patient Care"  
Cleveland, Ohio
- 1992 Cuyahoga County Sickle Cell Affected Families Group: "Treatment of Transfusional Iron  
Overload"  
Cleveland, Ohio
- 1992 Hough Norwood Health Center  
Department of Pediatrics  
Cleveland, Ohio  
"Prenatal Diagnosis of Hemoglobinopathy"  
"Differential Diagnosis of Anemia"
- 1994 Coalition of 100 Black Women, Annual Health  
Symposium: Sickle Cell Anemia.  
Beginning the Life Cycle: Birth, Testing, Research.  
Cleveland, Ohio
- 1994 Pediatric Nurse Practitioner Program  
MetroHealth Medical Center  
Cleveland, Ohio  
"Diagnostic Approach to the Anemic Child"
- 1994 Research Seminar  
Department of Pediatrics  
Case Western Reserve University School of Medicine  
"Preventing Stroke in Sickle Cell Disease: The STOP study"
- 1994 Center for Human Genetics  
Case Western Reserve University  
"Diagnosis of Hemoglobinopathy"
- 1995 Acute Care Pediatric Nurse Practitioners Lecture Series  
Rainbow Babies & Childrens Hospital  
"Cyanosis and Anemia"

1995            Annual Newborn Screening Workshop  
Ohio Department of Health  
Strongsville, Ohio  
“Hemoglobinopathies”

1995            Bellamy Sickle Cell Update Seminar  
Ohio Department of Health  
Dayton, Ohio  
“Newborn Screening Follow-up: The Cleveland Experience”

1995            Developmental Hematology Course  
Division of Neonatology  
Rainbow Babies & Childrens Hospital  
“Developmental Aspects of Hemoglobin and Red Blood Cells”  
“Newborn Diagnosis of Hemoglobinopathy”

1995            Genetics/Perinatology Conference  
Department of Genetics  
Department of Obstetrics and Gynecology  
Case Western Reserve University  
“Antenatal and Prenatal Diagnosis of Hemoglobinopathy”

1996            Research Seminar  
Department of Pediatrics  
Case Western Reserve University  
“Pharmacologic Manipulation of Fetal Hemoglobin: The  
Multicenter Study of Hydroxyurea in Sickle Cell Anemia”

1996            Medical Student Seminar: Career Opportunities in Pediatrics  
Case Western Reserve University

1996            CWRU Generalist Program Conference  
“Sickle Cell Anemia:

1997, 98, 99    Primary Care Career Night  
“PPO’s, HMO’s, MSO’s, Capitation and More”  
Rainbow Babies & Childrens Hospital

Nov. 1997      Clinical Pathology Conference  
University Hospitals of Cleveland  
“Sickle Cell Anemia”

Jan. 1998      Pediatric Surgery Grand Rounds  
Rainbow Babies & Childrens Hospital  
“Surgical Aspects of Sickle Cell Anemia”

Aug. 1998      Residents are Teachers  
Rainbow Babies & Childrens Hospital  
Half-day Seminar, Faculty Participant

Sept. 1998     Douglas-Satcher Lecture Series  
University Hospitals of Cleveland  
“Sickle Cell Anemia:

Oct. 1998      Clinical Discussion in Hematology/Oncology

- Pediatric Clinic Faculty Biannual Conference  
"Advances in the Care of Children with Sickle Cell Anemia"
- Feb. 1999 University Hospitals of Cleveland  
Center for Human Genetics (Grand Rounds)  
"Update on the Treatment of Sickle Cell anemia"
- Sept. 1999 Co-Chair, Plenary Session, Annual Meeting of the Sickle Cell  
Anemia Association of America.  
"Approaching the New Millenium: Learning From the Past, Preparing for the Future"  
Cleveland, OH
- Sept. 1999 Pediatric Research Teaching Seminar  
Rainbow Babies & Childrens Hospital  
"Making Decisions in the Ambulatory Setting"
- Nov. 1999 Douglas Satcher Lecture  
University Hospital of Cleveland  
"Advances in the Care of Children with Sickle Cell Anemia"
- Feb., 2000 Case Western Reserve University  
School of Medicine  
Education Retreat 2000  
"The Role of Ward and Teaching Attending Physicians"
- Feb., 2000 Center for Bloodless Medicine and Surgery  
Rainbow Babies & Childrens Hospital  
"Anemia: What Can We Do and Where Do We Begin?"
- June, 2000 Mitochondrial Cytopathies 2000  
Cleveland, OH  
Moderator: "Introduction to Mitochondrial Disease"
- Jan. 2001 Research Conference  
Department of Pediatrics, CWRU  
Rainbow Babies & Childrens Hospital  
"Update: Stroke Prevention Study 2001"
- July 2001 General Academic Pediatrics Clinical Conference  
Rainbow Babies & Childrens Hospital  
"Diagnosing Mild Anemia in the Pediatric Patient"
- Oct. 2001 Douglas-Satcher Lecture Series  
University Hospitals of Cleveland  
"Advances in the Care of Children with Sickle Cell Anemia"
- Oct. 2001 Pediatric Psychology Seminar Series  
Rainbow Babies & Childrens Hospital  
"Sickle Cell Anemia"
- Oct. 2001 Department of Laboratory Medicine  
University Hospitals of Cleveland: Clinical Conference  
"Update: Sickle Cell Anemia"
- Oct. 2001 Division of Pediatric Neurology Conference  
Rainbow Babies & Childrens Hospital  
"Stroke and Hyperthrombosis"
- Nov. 2001 "The Clinical and Economic Impact of Bloodless Medicine and Surgery"  
Panelist: The Center for Bloodless Medicine and Surgery Seminar

**Rainbow Babies and Childrens Hospital  
Cleveland, OH**

- April 2002**      **American Academy of Pediatrics  
SuperCME 2002 Program, Orlando, Florida  
“Sickle Cell Anemia: Recent Advances in the Care of Pediatric Patients”  
“Anemia in the Pediatric Patient: A 21st Century Approach”**
- May, 2002**      **Department of Genetics, CWRU  
Clinical Genetics Rounds  
“Hemoglobinopathy Screening”**
- Dec., 2002**      **Centre Community Hospital  
State College, PA.  
11th Annual Pediatric Update  
“Anemia in the Pediatric Patient”**
- April. 2004**      **Department of Genetics, CWRU  
Genetic Counselor Course (Master’s level)  
“Hemoglobinopathies”**
- June, 2004**      **University of Minnesota  
Division of Pediatrics Presentation  
“Establishing a Pediatric Hospital Program  
at an Academic Medical Center”**

**Revised 10/2004**