

**BRIAN W. BERMAN, MD**

**University Hospitals Rainbow Babies & Children's Hospital  
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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:**

- All at UH Rainbow Babies & Children's Hospital, Case Western Reserve University unless otherwise noted
- 1980-2004 Medical Staff, Department of Pediatrics

1989-2004	Director, Rainbow Sickle Cell Anemia Center
2007-Present	
1990-1992	Acting Chief, Genetics Center
1993-Present	Director, Pediatric Consultation and Referral Service
1993-Present	Chief, Division of General Academic Pediatrics
1998-2009	Vice Chairman for Community Physician Affairs
2002-2005	Acting Chief, Division of Pediatric Hematology/Oncology
2008-2010	Interim Co-Chairman
2010-present	Acting Chief, Division of Pediatric Gastroenterology
2010-present	Vice Chair for Faculty Affairs

#### **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 Children's Hospital

#### **HONORS AND AWARDS:**

All at UH Rainbow Babies & Children's Hospital, Case Western Reserve University unless otherwise noted

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

1992	Faculty Teaching Excellence Award
1994	Outstanding Service to Medicine Award Presented by Rainbow Children's Council
1994	Faculty Teaching Excellence Award
1995	Faculty Teaching Excellence Award
1996	Faculty Teaching Excellence Award
1996	American Sickle Cell Anemia Association Physician Service Award
1997	Faculty Teaching Excellence Award
1998	Faculty Teaching Excellence Award
1998	Samuel Horwitz M.D. Award for Excellence in Clinical Service Presented by Pediatric Clinical Faculty
1999, 2000, 2006 2007, 2008, 2010	"Pearl's Day" Award (for resident teaching excellence) Presented by Pediatric Residents
1999	Faculty Teaching Excellence Award
1999, 2004, 2007, 2008, 2009, 2010	Recognized as "Top Doctor in the Region" Cleveland Magazine
2000	Faculty Teaching Excellence Award
2001, 2002, 2004, 2006, 2007, 2008, 2009	Recognized as a "Top Doctor" in Region Northern Ohio Live Magazine
2001, 2004, 2006, 2007, 2008, 2009, 2010	Recognized in "America's Best Doctor" (Castle Connely Medical Ltd.)
2002	Recognized as "Best Doctors for Families" Ladies Home Journal Magazine
2008 Finalist	Crain's Cleveland Business Hero of Health Care Award, Health Care Advocate
2008	Faculty Teaching Award
2008 - present	Who's Who in Medicine and Healthcare

2010

Alumnus of the Year Award  
Temple University School of Medicine  
Philadelphia, PA

**GRANTS:**

Center of Care Grant  
Rainbow Babies and Children's 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 Trial in Sickle Cell Disease (STOP I, STOP II)  
Local P.I. - Brian Berman  
1994-2005 – Total Cost: \$430,000 (approx.)

Washington University in St. Louis  
NIH 1ROI NS42805  
Silent Infarct Transfusion Trial (SITT) in Sickle Cell Disease

Local Co P.I. – Brian Berman  
2003-2009 – Total Cost: \$400,000 (approx.)

Assist Trial (Industry supported)  
Phase III, Multicenter Study of Efficacy and Safety of ICA-10743  
In Patients with Sickle Cell Disease  
2005-2007

ICL670 (Exjade) Trial (Novartis)  
Study to expand access of Exjade to patients with transfusions  
Hemosiderosis  
2005-2006

Washington University in St. Louis  
NIH 1R01 HL079937-02  
Asthma and Nocturnal Hypoxemia in Sickle Cell Anemia  
Local Co P.I. – Brian Berman  
2005-2009 – Total cost: \$1,497,553

Prospective Randomized Trial of NO in Sickle Cell Vaso-occlusive Pain Crisis  
(INO Therapeutics Local P.I. – Brian Berman  
2008

St. Jude Children's Research Hospital  
NIH R01 HL095647-01  
TCD with Transfusion Changing to Hydroxyurea  
Local P.I. Brian Berman  
2009 - present

**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: (Voluntary)**

1989 American Board of Pediatrics  
1989 American Board of Pediatrics,  
Sub Board of Pediatric Hematology/Oncology  
2009 Maintenance of Certificate  
American Board of Pediatrics

**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

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

Multicenter Study of Hydroxyurea in Sickle Cell Disease (1993-1996)  
(Dr. Samuel Chararche, National Principal Investigator)

Stroke Prevention Trial in Sickle Cell Disease I and II (1994—2005)  
(Dr. Robert Adams, National Principal Investigator)

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

Asthma and Nocturnal Hypoxemia in Sickle Cell Anemia (2005-2009)  
(Dr. Michael DeBaum, National Principal Investigator)

TCD with Transfusion Changing to Hydroxyurea (2010 – present)  
(Dr. Russell Ware, National Principal Investigator)

**FACULTY PRACTICE PLAN**

**ADMINISTRATIVE/LEADERSHIP APPOINTMENTS:**

1985-1988	Board of Directors, University MEDNET (multi-specialty group practice)
1994-1998 and	Board of Directors, University Faculty Practice Association (the faculty practice
2004-2007	plan of all full time faculty of CWRU at University Hospitals of Cleveland)
1995-2005	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
2005-2010	President, Children's Research Foundation of Cleveland (the faculty practice plan of the Department of Pediatrics)
2005 – Present	Pediatric Medical Director, UH Connect (patient access program)
2008 – 2010	Strategic Planning Committee, University Hospitals Medical Group (The practice plan of all full time physicians of University Hospitals Case Medical Center.)

**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  
2006 Journal of Pediatrics  
2009 Journal of Pediatric Hematology/Oncology

#### **NIH GRANT REVIEW PARTICIPANT**

2005, 2006 National Heart Lung & Blood Institute

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

1989-1991 Resident Selection Committee  
1993-2000  
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 1995-2007): 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  
1997-2000 Medicaid Managed Care Task Force: University Hospitals of Cleveland  
1998-1999 Pediatric Sports Medicine Search Committee  
2001-2002 Search Committee Chairman, Department of Pediatrics MetroHealth  
Medical Center  
2001-Present Executive Steering Committee: Rainbow Office Base Clinical Research Network  
2001-2003 Practice Management Committee, Department of Pediatrics,  
2002 Coagulation Testing AdHoc Committee  
2005 Mentoring Committee, Adolescent Medicine Fellowship Program  
2006-Present UHHS Access Center Steering Committee  
2006-Present Rainbow Continuing Education Committee  
2006-Present UH Connects Physician Advisory Council (Pediatric Liaison)  
2006 Clinical Productivity Task Force  
2007-Present Minority Cancer Care Task Force  
2007-Present Practice Management Committee, Department of Pediatrics (Chairman – 2007-8)  
2007-2008 Pediatric Department Chair Search Committee (Elected Representative)  
2008-2009 Strategic Planning Steering Committee, Rainbow Babies & Children's Hospital  
2008-Present CME Committee, Department of Pediatrics  
2010-Present Peer Review Committee, Department of Pediatrics (Chairman)

#### **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 Children's Hospital

1989-Present Pediatric Inpatient Medical Student Teaching Attending Physician 1-2 months per year, Rainbow Babies and Children's Hospital

1989-Present Pediatric Hematology/Oncology Elective  
Active participant in rotations available to medical students and house officers

1993-2008 Resident/Medical Student Preceptor (4 hours per week)  
Ambulatory Pediatric Clinic  
Rainbow Babies and Children's 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

1990 - present Science Day Faculty Mentor  
(resident/medical student research projects and presentations) Rainbow Babies and Children's Hospital  
June 8, 1990  
Cyclosporine 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 Children's 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 Children's 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 & Children's 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 Erythrocytapheresis 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

June 2005

Priapism in Patients with Sickle Cell Anemia: A 10 Year Retrospective. R. Brown, A. Vilella, M. A. O’Riordan, B. Berman

June 2008

Cardiac Dysrhythmias in Pediatric Patients with Sickle Cell Anemia, A. Nero, A. Vilella, H. Gutin, B. Berman

June 2009

An Empiric Review of Rituximab Treatment in Pediatric Patients with Immunohematologic Diseases Refractory to Conventional Therapy. M. Trucco, P. Sahai, M.A.O’Riordan, B. Berman

- 2007 Summer Research Mentor: Cleveland Clinic Lerner College of Medicine  
Jessica Knight
- 1991-2005 Medical Student Pre-Clinical Elective Program Participating faculty and student advisor:  
1. Chronic Diseases in Children  
2. Cancer and Blood Diseases in Children
- 1990-2006 Medical Apprentice Program Clinical Preceptor  
Health Careers Enhancement Programs for Minorities  
CWRU School of Medicine  
Dr. James Philips, Director
- 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 - 2006 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’s 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 ( $\alpha_2\beta_2$  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 hematopoiesis. 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. Cyclosporine 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. Hem. 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 echocardiography. 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. Clin Pediatr 44: 193 -129 2004.
43. Jones, A., Granger, S., Berman, B.W., et.al. Can peak systolic velocities be used for prediction of stroke in sickle cell anemia? Ped Radiol, 35: 66 – 72, 2005.
44. Palermo, T., Platt-Houston C, Kisha, R. and Berman, B.W. Headache symptoms in pediatric sickle cell patients. J Pediatric Hematol Onc 27: 420 – 424, 2005
45. Optimizing primary stroke prevention in sickle cell anemia (STOP2) Trial Investigators. Discontinuing prophylactic transfusions used to prevent stroke in sickle cell disease. N. Engl J. Med. 353:2769-78, 2005.
46. Lee, M.T., Promelli, S., Granger, S., Berman, B., et. al. Stroke prevential trial in sickle cell anemia (STOP): Extended follow-up and final results. Blood, 108: 847-852, 2006.
47. Hulbert, L.H., Scothron, D.J., Berman, B., et. al. Exchange blood transfusion compared with simple transfusions for first stroke is associated with a lower risk of subsequent stroke. J. Pediatrics 149:710-12, 2006.

#### **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. Sickle 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., Hurllet, 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 Children's Hospital. Presented at Annual Meeting of the National Sickle Cell Program, September, 1997.
21. Driscoll, M.D., Hurllet, 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., Hurlet, 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., Hurlet, 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., Hurlet, 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.
19. Nero, A., Villella, A., Gutin, H., Berman, B. Cardiac dysrhythmias in pediatric patients with sickle cell anemia. Poster presented at Annual Meeting of the National Sickle Cell Program, 2006.
20. Villella, A., Gutin, H., Berman, B., Viridans streptococcal bacteria in children with sickle cell disease. Poster presented at the Annual Meeting of the National Sickle Cell Program, 2006.
21. Zsebik, G., O'Riordan, MA., Berman B., and Villella, A. Low risk of Meperidine – induced seizures in children with sickle cell disease. Academic Pediatric Societies Meeting, 2007.
22. Aygun B., Wruch L., Berman B., et.al. Academic Community Standards for Chronic Transfusion RX in Children with S-S Disease and Abnormal TCD. Am. Soc. Hematology Annual Meeting, 2010.

**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., Guillotis, 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 adolescent 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., Hurllet, 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. 5<sup>th</sup> International Symposium on Pediatric 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., Hurllet, 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.
33. Villella A, Gutin H, Berman B. Elevated serum lipase levels in sickle cell patients receiving chronic blood transfusion therapy: An early sign of iron toxicity? 27<sup>th</sup> Annual Meeting of the National Sickle Cell Disease Program, Los Angeles, CA, April 2004
34. Hulbert, M., Scothorn, D., DeBaun, M. and The Neurology-Hematology Consortium. Exchange transfusion is associated with a lower risk of subsequent strokes than simple transfusions. Annual Meeting of Pediatric Academic Society, 2005.
35. Brown, C., Miller, S., Kwiatkowski, J., et al. Optimizing primary stroke prevention in sickle cell anemia (STOP 2): An argument for prolonged transfusion. Annual Meeting of the Am. Society of Hematology, 2005.
36. Villella A, Gutin H, Berman B. Viridans streptococci bacteremia in children with sickle cell disease. 29<sup>th</sup> Annual Meeting of the National Sickle Cell Disease Program, Memphis, TN, April 2006.
37. Nero A, Villella A, Gutin H, Berman B. Cardiac dysrhythmias in pediatric patients with sickle cell anemia. 29<sup>th</sup> Annual Meeting of the National Sickle Cell Disease Program, Memphis, TN, April 2006.
38. Zsebik G, O'Riordan M, Berman B, Villella A. Low risk of meperidine-induced seizures in children with sickle cell anemia. Pediatric Academic Society/American Society of Pediatric Hematology/Oncology 2007 Annual Meeting, Toronto, Canada, May 2007.
39. Sarnaiks and The Silent Infarct Multi-Center Clinical Trial Investigation. Elevated Systolic BP and Low HgbF are Risk Factors for Silent Cerebral Infarcts in Children with Sickle Cell Anemia. AM Soc. of Hematology Annual Meeting, 2009
40. Trucco, M. O'Riordan, M., Berman, B. Rituximab Treatment in Pediatric Patients with Immunohematologic Diseases Refractory to Conventional RX. Am. Soc. Hematology Annual Meeting, 2010.

#### **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: Sick 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 Children's Hospital (CME approved)**

- |             |   |
|-------------|---|
| Sept., 1988 | "Splenic Dysfunction and Infection in Sick Cell Anemia" |
| Nov., 1989  | "Long Term Consequences of Sick Cell Anemia"            |
| March, 1991 | "The Spleen and Disturbance of Spleen Function"         |
| April, 1992 | "Bone Marrow Transplantation in Sick 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:"  |
| April 2005  | "The Spleen and Disorders of Splenic Function"          |
| Dec. 2008   | "Sickle Cell Disease" New Insights Into Old Problems"   |

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

- |            |  |
|------------|--|
| Dec. 1985  | Metro Health Medical Center, Cleveland, Ohio<br>"Infection in Sick Cell Anemia"            |
| April 1986 | Cleveland Clinic Foundation, Cleveland, Ohio<br>"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"
- Jan. 2009 MetroHealth Medical Center, Cleveland, Ohio  
"Sickle Cell Disease: New Insights Into Old Problems"

**Medical School Lectures:**

- 1992-2006 Second Year Medical Student Hematology  
Committee Program: The Biologic Basis of Disease II:
  - a) Red Blood Cell Structure & Function (2 hours)
  - b) Sickle Cell Anemia (1 hour)

**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 Children's Hospital,  
American Sickle Cell Anemia Association,  
Sickle Cell Anemia Program at Akron Children's 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 & Children's 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 & Children's Hospital  
Cleveland, Ohio
- Sept., 1999 Pediatric Today: Lessons and Opportunities for Pediatric  
Office-Based Research  
Sponsored by Rainbow Babies & Children's Hospital  
Cleveland, OH.
- Oct., 2001 Emergency Pediatrics for the Office Practitioner  
Sponsored by Rainbow Babies & Children's Hospital  
Cleveland, OH
- Oct., 2007 Advances in Pediatrics  
Pediatric Travel Club Meeting  
Cleveland, OH
- May, 2008 Pediatrics Today: Office Pediatrics, 2008

**Pediatric Management Conferences: Rainbow Babies & Children's 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 21<sup>st</sup> 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"  
 Sept., 2005 "Anemia Case Studies"  
 Sept., 2006 "Anemia in Pediatric Patients"  
 Feb., 2007 "25 Years in the Trenches: Interesting Case"  
 Sept., 2007 "Cyanotic Infant" (Methemoglobinemia)  
 Oct., 2008 "4 Year Old with Abdominal Pain and Vomiting"  
 Sept, 2009 "A Curious Case of Passing Out"  
 Sept, 2010 "Congenital Asplenia"  
 Oct, 2010 "Stump the Attending: 9-year-old with cough and weight loss"

**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"  
 Mar., 1990 "Acute Chest Syndrome in Sickle Cell Anemia"  
 Jan., 1992 "Sickle Cell Vaso-Occlusive Pain Crises"

**Management Conferences at Other Institutions: MetroHealth Medical Center, Cleveland, Ohio.**

Dec., 2004 "Sickle Cell Vaso – Occlusive Pain"  
 Jan., 2005 "Bleeding Disorders"  
 April, 2007 "Anemia"

**Pediatric Ambulatory Resident Conferences: Rainbow Babies and Children's Hospital**

1993-2006 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 Children's 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"  
Oct. 2007 "Anemia"

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

1990-1992 "Sickle Cell Anemia"

### **Intern Orientation Lecture Series: Rainbow Babies and Children's Hospital**

1989-2008 "Sickle Cell Anemia"

### **Pediatric Resident Board Review Course: Rainbow Babies & Children's Hospital**

Jan., 1992	"Anemia"
April, 1993	"Anemia"
April 1996	"Attention Deficit Disorder"
1997-Present	"Anemia and Purpura" (yearly)

**Pediatric Resident Board Review Course: MetroHealth Medical Center**

May, 2005	"Disorders of the Blood"
June, 2005	"Pediatric Oncology Review"
2006-2008	"Pediatric Hematology Review"

**"Pediatric Today" CME Series: Rainbow Babies & Children's 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	Pediatrics Today: "The Role of Office Based Research in Addressing Gaps in Treatment Paradigms"
2001	Pediatrics Today "Case Studies in Adolescent Hematology"
2002	Pediatrics Today "Evaluating the Child with Anemia"
2007	Pediatrics Today "Anemia 2007"
2008	Pediatrics Today "Hematology Case Studies"

**Guest Lectures and Invited Presentations:**

1987	St. Christopher's Hospital for Children Philadelphia, PA "Idiopathic Thrombocytopenia Purpura" and "Sickle Cell Anemia"
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- 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 & Children's 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 & Children's 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 & Children's Hospital
- Nov. 1997 Clinical Pathology Conference  
University Hospitals of Cleveland  
"Sickle Cell Anemia"
- Jan. 1998 Pediatric Surgery Grand Rounds

Rainbow Babies & Children's Hospital  
"Surgical Aspects of Sickle Cell Anemia"

- Aug. 1998 Residents are Teachers  
Rainbow Babies & Children's 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 Millennium: Learning From the Past, Preparing for the Future"  
Cleveland, OH
- Sept. 1999 Pediatric Research Teaching Seminar  
Rainbow Babies & Children's 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 & Children's 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 & Children's Hospital  
"Update: Stroke Prevention Study 2001"

- July 2001 General Academic Pediatrics Clinical Conference  
Rainbow Babies & Children's 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 & Children's 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 & Children's 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 Children's Hospital  
Cleveland, OH
- April 2002 American Academy of Pediatrics  
Super CME 2002 Program, Orlando, Florida  
"Sickle Cell Anemia: Recent Advances in the Care of Pediatric Patients"  
"Anemia in the Pediatric Patient: A 21<sup>st</sup> Century Approach"
- May, 2002 Department of Genetics, CWRU  
Clinical Genetics Rounds  
"Hemoglobinopathy Screening"
- Dec., 2002 Centre Community Hospital  
State College, PA.  
11<sup>th</sup> 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"

Jan, 2005 MetroHealth Medical Center  
Mortality and Morbidity Conference  
"ITP and Intracranial Hemorrhage"

Sept, 2005 Department of Medicine  
Morbidity and Mortality Conference  
"Pulmonary Hypertension in Sickle Cell Disease"

Oct, 2005 MetroHealth Medical Center  
Primary Care Conference  
"Evaluation of the Anemic Child"

June, 2006 Division of Allergy-Immunology  
Rainbow Babies & Children's Hospital  
"Autoimmune Hemolytic Anemia"

Jan, 2007 Chaim Sheba Medical Center  
Tel Hashom, Israel  
"Sickle Cell Disease: New Insights into Old Problems"

Sept. 2007 Hematology Fellows Conference, Rainbow Babies & Children's Hospital  
"Transfusion Medicine"

Oct. 2007 PICU Fellows Conference, Rainbow Babies & Children's Hospital  
"Autoimmune Hemolytic Anemia"

June 2008 Pediatric Neurology Conference, Rainbow Babies & Children's Hospital, "Stroke in  
Patients with Sickle Cell Disease"

Nov. 2008 Hadassah University Hospital  
Jerusalem, Israel  
"Sickle Cell Anemia: New Insights into Old Problems"

Nov. 2008 Tel Hashomer Hospital  
Ramat Gan, Israel  
"Sickle Cell Anemia: New Insights into Old Problems"

Nov. 2008 Schneider Children's Hospital  
Petah Tikva, Israel  
"Evolution of Our Understanding of CNS Complications of Sickle Cell Anemia"

Nov. 2008 Motol Hospital  
Prague, Czech Republic  
"Sickle Cell Disease: New Insights into Old Problems"

Oct. 2009 Pediatric Surgery for the Pediatrician: Interactive Web Symposium.  
Pediatric Medicine Moderator  
Cleveland, Ohio

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