

CURRICULUM VITAE

Amanda Brandow DO

Professor
Department of Pediatrics
Division of Hematology and Oncology - Pediatrics

OFFICE ADDRESS:

MACC Fund Research Center
8701 Watertown Plank Rd
Milwaukee, WI 53226

EDUCATION:

1993 - 1997 BA, Drake University, Des Moines, IA
1997 - 2001 DO, Midwestern University, Chicago College of Osteopathic Medicine, IL
2006 - 2008 M.S., Epidemiology, Medical College of Wisconsin, Milwaukee, WI

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/2001 - 06/2004 Resident, Pediatrics, Medical College of Wisconsin, Milwaukee, WI
07/2004 - 06/2005 Chief Resident, Pediatrics, Medical College of Wisconsin, Milwaukee, WI
07/2005 - 07/2008 Fellow, Pediatrics, Hematology/Oncology/BMT, Medical College of Wisconsin, Milwaukee, WI
2006 - 2008 Master's Degree, Epidemiology, Thesis emphasis on functional outcomes in children with Sickle Cell Disease, Medical College of Wisconsin, Milwaukee, WI

FACULTY APPOINTMENTS:

08/2008 - 06/2014 Assistant Professor, Pediatrics, Hematology/Oncology/BMT, Medical College of Wisconsin, Milwaukee, WI
07/2014 - Present Associate Professor of Pediatrics, Department of Pediatrics, Section of Hematology/Oncology, Medical College of Wisconsin, Milwaukee, WI
Professor, Pediatrics, Hematology/Oncology/BMT, Medical College of Wisconsin, Milwaukee, WI

EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:

04/2013 - Present Pediatric Hematology Resident Elective Coordinator and Educational Liason, Pediatric, Hematology/Oncology/BMT, Medical College of Wisconsin, Milwaukee, WI
04/2013 - Present Associate Fellowship Program Director, Pediatric Hematology/Oncology Fellowship Program, Pediatrics, Hematology/Oncology, Medical College of Wisconsin, Milwaukee, WI

HOSPITAL STAFF PRIVILEGES:

08/2008 - Present Attending Physician, Hematology, Children's Hospital of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
General Pediatrics	10/2004	12/2016
Pediatric Hematology-Oncology	03/2009	03/2016

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Wisconsin License	46333-21		02/28/2021

AWARDS AND HONORS:

1997 Magna Cum Laude, Drake University
1998 - 2001 Sigma Sigma Phi, National Osteopathic Medical Honor Society
2006 Recipient of Loan Repayment Program in Pediatric Research, NIH
2008 Recipient of Loan Repayment Program in Pediatric Research, NIH
2008 Pediatric Fellow Clinical Research Award; 1st place, Medical College of Wisconsin
2010 Recipient of Loan Repayment Program in Pediatric Research, NIH
2011 Recipient of Loan Repayment Program in Pediatric Research, NIH
2012 Recipient of Loan Repayment Program in Pediatric Research, NIH
2013 Top-Rated Doctors, Metro Milwaukee (top 10% of rated doctors in the metro-Milwaukee area), M Magazine

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

2005 - Present American Society of Pediatric Hematology/Oncology
2005 - Present American Society of Hematology
2013 - Present American Pain Society

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Journal Review
09/2009 British Journal of Haematology
01/2010 Pediatric Blood and Cancer
03/2010 British Journal of Haematology
04/2010 British Journal of Haematology
05/2010 British Journal of Haematology
12/2010 Journal of Pediatric Hematology/Oncology
01/2011 Pediatric Blood and Cancer
02/2011 Journal of Pediatric Hematology/Oncology
03/2011 Advances in Hematology
05/2011 Pediatric Blood and Cancer
01/2012 Journal of Pediatrics Hematology/oncology
07/2012 Journal of Pediatrics
10/2012 The Journal of Pain
11/2012 Journal of Pediatrics
01/2013 The Journal of Pain
01/2013 Journal of Pediatric Hematology/Oncology
01/2013 Journal of Pediatric Hematology/Oncology
02/2013 Pediatrics
02/2013 PLOS
03/2013 Journal of Pediatric Hematology/Oncology
04/2013 Acta Haematologica
04/2013 Journal of Genetic Counseling
05/2013 American Journal of Hematology
06/2013 Pediatrics
07/2013 Pediatrics
07/2013 Acta Haematologica
09/2013 Journal of Pediatrics
10/2013 Journal of Pediatric Hematology/Oncology
10/2013 The Journal of Pain
02/2014 Pediatrics
02/2014 Journal of Pediatric Hematology/Oncology

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

02/2014 - Present Reviewer, Patient Centered Unit Study Section, Children's Research Institute

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title: Pharmacokinetics and Relative Bioavailability of a Liquid Formulation of Hydroxyurea in Pediatric Patients with Sickle Cell Anemia

Source: NIH/NICHD

Role & Effort: Co-Investigator

Dates: 06/2012 - Present

Title: Quantiative Assessment of Neuropathic Pain in Pediatric Oncology Patients Treated with Fincristine

Source: Midwest Athletes Agains Childhood Cancer Novel Initiatives Award

Role & Effort: Principal Investiagtor

Dates: 08/2012 - 08/2014

Direct Funds: \$29,075

Title: Peripheral Sensitization as a Novel Mechanism for Pain in Sickle Cell Disease

Source: NIH Loan Repayment Program in Pediatric Research (4th Renewal)

Role & Effort: Principal Investigator

Dates: 08/2012 - 07/2014

Direct Funds: \$17,000 (To loan repayment)

Title: Peripheral Sensitization as a Novel Mechanism for Pain in Patients with Sickle Cell Disease

Source: NIH/NHLBI 1K23HL 114636-01A1

Role & Effort: Principal Investigator

Dates: 08/15/2013 - 05/31/2018

Direct Funds: \$645,000

Title: The Role of Substance P in the Pathophysiology of Pain in Patients with Sickle Cell Disease

Source: American Society of Hematology Junior Faculty Scholar Award

Role & Effort: Principal Investigator

Dates: 07/01/2014 - 06/30/2017

Direct Funds: \$150,000

Prior

Peer Review

Title: Short-term Outcomes of Children with Sickle Cell Disease Treated for Vaso-Occlusive Crises

Source: NIH Loan Repayment Program in Pediatric Research (initial award)

Role & Effort:	Principal Investigator
Dates:	07/2006 - 07/2008
Direct Funds:	\$70,000 (to loan repayment)
Title:	Ruth L. Kirschstein National Research Service Award (NRSA)
Source:	NIH
Dates:	01/01/2008 - 06/30/2008
Direct Funds:	\$49,190
Title:	Evaluation of Secondary and Tertiary Preventive Measures for Pain in Children with Sickle Cell Disease
Source:	NIH/NHLBI
Role & Effort:	Sickle Cell Scholar
PI:	Cheryl Hillery, MD
Dates:	06/15/2008 - 02/29/2012
Direct Funds:	\$501,245
Title:	Utilization and Impact of Hydroxyurea in Children with Sickle Cell Disease
Source:	NIH Loan Repayment Program in Pediatric Research (1st renewal)
Role & Effort:	Principal Investigator
Dates:	07/2008 - 07/2010
Direct Funds:	\$70,000 (to loan repayment)
Title:	Exploring Sensitivity to Pressure and Thermal Stimuli in Children with Sickle Cell Disease
Source:	NIH Loan Repayment Program in Pediatric Research (2nd renewal)
Role & Effort:	Principal Investigator
PI:	Amanda Brandow, DO
Dates:	07/2010 - 07/2011
Direct Funds:	\$35,000 (to loan repayment)
Title:	Quantitative Sensory Testing in Humans with Sickle Cell Disease: A Pilot Study
Source:	Rebecca Slye Endowment (Children's Hospital of Wisconsin)
Role & Effort:	Principal Investigator
PI:	Amanda Brandow, DO
Dates:	01/2011 - 12/2011
Direct Funds:	\$19,600
Title:	Clinically Meaningful Measurement of Pain in Children with Sickle Cell Disease
Source:	Rebecca Slye Endowment (Children's Hospital of Wisconsin)
Role & Effort:	Co-Investigator
PI:	Matt Myrvik, PhD
Dates:	01/2011 - 12/2011
Direct Funds:	\$16,000
Title:	Exploring Novel Pain Mechanisms in

Source:	Humans with Sickle Cell Disease: Evaluation of Thermal Hypersensitivity and Identification of Risk Factors NIH Loan Repayment Program in Pediatric Research (3rd renewal)
Role & Effort:	Principal Investigator
PI:	Amanda Brandow, DO
Dates:	08/2011 - Present
Direct Funds:	\$35,000 (to loan repayment)

Non-Peer Review

Title:	The Effect of Montelukast on Markers of Neuropathic Pain in Patients with Sickle Cell Disease
Source:	Children's Research Institute
Role & Effort:	Principal Investigator
Dates:	01/2014 - 12/2014
Direct Funds:	\$41,000

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

National

Functional Outcomes of Children with Sickle Cell Disease Treated for Vaso-occlusive Painful Events, Memorial Healthcare System's 2nd Annual National Sickle Cell Disease Research and Educational Symposium, Fort Lauderdale, FL, 02/2008

Evaluation of Secondary and Tertiary Preventive Measures for Pain in Children with Sickle Cell Disease, Sickle Cell Disease Clinical Research Meetings (NIH), Bethesda, MD, 08/2009

The Impact of a Multidisciplinary Pain Management Model on Sickle Cell Disease Hospitalizations, Sickle Cell Disease Clinical Research Meetings (NIH), Bethesda, MD, 08/2010

Anemia: Evaluation and Management for Primary Care Pediatricians, 54th Annual Pediatric Clinic Days sponsored by Children's Hospital of Michigan, Detroit, MI, 10/2011

Establishing a Career in Patient Oriented Research, Young Investigator Workshop: A Research Career Starter. American Society of Pediatric Hematology/Oncology Annual Meeting, New Orleans, LA, 05/2012

Regional

Women in Medicine: Work and Life Balance, American Medical Women's Association, Student Chapter, Milwaukee, WI, 11/2005

Impact of Sickle Cell Disease on Health-related Quality of Life: Listening to the Voices of the Children, Wisconsin Association of Pediatric Hematology/Oncology Nurses (WAPHYON) Quarterly Educational Conference, Milwaukee, WI, 11/2008

Impact of Sickle Cell Disease on Health-related Quality of Life: Listening to the Voices of the Children, Wisconsin Association of Pediatric Hematology/Oncology Nurses (WAPHON) Quarterly Educational Conference, Milwaukee, WI, 11/2008

General Hematology, Wisconsin Association of Pediatric Hematology/Oncology Nurses (WAPHON) Board Review, Milwaukee, WI, 11/2010

Coagulation Disorders, Wisconsin Association of Pediatric Hematology/Oncology Nurses (WAPHON) Board Review, Milwaukee, WI, 11/2010

Anemia: Evaluation and Management for Primary Care Pediatricians, Children's Specialty Group/Children's Hospital of Wisconsin CME Podcast, Milwaukee, WI, 01/2012

Anemia: Evaluation and Management for Primary Care Pediatrician, Children's Specialty Group/Children's Hospital of Wisconsin CME Podcast, Wisconsin Dells, WI, 03/2015

Local

Women in Medicine: Work and Life Balance, American Medical Women's Association, student chapter, Milwaukee, WI, 11/2005

Fever and Neutropenia, Children's Hospital of Wisconsin Hematology/Oncology Nursing Education Curriculum, Milwaukee, WI, 01/2006

Emergencies in Pediatric Leukemia, Children's Hospital of Wisconsin Transport Team Quarterly Educational Conference, Milwaukee, WI, 01/2007

Fever and Neutropenia, Children's Hospital of Wisconsin Hematology/Oncology Nursing Education Curriculum, Milwaukee, WI, 07/2007

Getting the Most out of Your First Year of Fellowship, Medical College of Wisconsin, Joint Fellowship Curriculum and Resident Retreat, Milwaukee, WI, 07/2007

Oncologic Emergencies, Children's Hospital of Wisconsin Hematology/Oncology Nursing Education, Milwaukee, WI, 08/2007

Pulmonary Complications of Sickle Cell Disease, Medical College of Wisconsin Section of Pediatric Pulmonology Educational Seminar, Milwaukee, WI, 03/2009

Advancing the Care and Prevention of Pain in Children with Sickle Cell Disease, Children's Research Institute Academic Conference, Medical College of Wisconsin, Milwaukee, WI, 04/2009 - Present

Sickle Cell Disease Update: Focus on Pain Manifestation and Treatment, Wheaton Franciscan All Saints Hospital Grand Rounds - Yearly Sickle Cell Disease Lecture, Racine, WI, 05/2009

Hydroxyurea in Children with Sickle Cell Disease: Practice Patterns and Barriers to Utilization, Medical College of Wisconsin Epidemiology Seminar, Milwaukee, WI, 11/2009

Impact of Sickle Cell Disease on Health-related Quality of Life: Listening to the Voices of the Children, Wisconsin Association of Pediatric Hematology/Oncology Nurses (WAPHON) Quarterly Educational Conference, Milwaukee, WI, 11/2009

Impact of Sickle Cell Disease on Health-related Quality of Life: Listening to the Voices of the Children, Marquette Nursing Students, Milwaukee, WI, 03/2010

Novel Mechanisms of Pain in Sickle Cell Disease: A Bench to Bedside Approach, Medical College of Wisconsin Pediatric Hematology/Oncology Research Seminar, Milwaukee, WI, 03/2010

Hemolytic Uremic Syndrome and Thrombotic Thrombocytopenia Purpura, Medical College of Wisconsin and Children's Hospital of Wisconsin Pediatric Critical Care Core Curriculum, Milwaukee, WI, 06/2011

Novel Mechanisms of Sickle Cell Pain: Thinking Outside the Sickled Cell, Children's Hospital of Wisconsin Grand Rounds, Milwaukee, WI, 10/2011

Pulmonary Complications of Sickle Cell Disease, Medical College of Wisconsin Section of Pediatric Pulmonology Educational Seminar, Milwaukee, WI, 01/2012

Ethics in Pediatric Pain Research, Medical College of Wisconsin, Milwaukee, WI, 06/2013

Sickle Cell Disease Emergencies, Medical College of Wisconsin/Children's Hospital of Wisconsin Pediatric Critical Care Core Curriculum, Milwaukee, WI, 06/2013

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

International

Brandow AM, Panepinto JA, The Impact of Vaso-occlusive Painful Events on the Health Related Quality of Life of Children with Sickle Cell Disease, International Society of Quality of Life Annual Meeting - Poster Presentation, Montevideo, Uruguay, 10/2008

National

Brandow AM, Hansen S, Greenbaum LA, Vitamin D Deficient Rickets Presenting as Cardiopulmonary Arrest, American Academy of Pediatrics Annual Meeting - Poster Presentation, San Francisco, CA, 10/2004

Brandow AM, Rennie K, Scott JP, Hillery CA, Panepinto JA, Increased Red Blood Cell Adhesion is Associated with Priapism in Sickle Cell Disease, American Society of Hematology Annual Meeting - Poster Presentation, Orlando, FL, 12/2006

Brandow AM, Brousseau DC, Panepinto JA, Functional Outcomes of Children with Sickle Cell Disease Treated for Vaso-occlusive Painful Events, American Society of Hematology Annual Meeting - Oral Presentation, Atlanta, GA, 12/2007

Wandersee NJ, Uy T, Retherford D, Noon-Abdullah A, Frei AC, Brandow AM, Stucky CL, Hillery CA, Mechanical Hypersensitivity Occurs in a Mouse Model of Sickle Cell Disease, American Society of Hematology Annual Meeting - Poster Presentation, San Francisco, CA, 12/2008

Brandow AM, Jirovec DL, Panepinto JA, Hydroxyurea in Children with Sickle Cell Disease: Practice Patterns and Barriers to Utilization, American Society of Hematology Annual Meeting - Oral Presentation, New Orleans, LA, 12/2009

Brandow AM and Panepinto JA, Evaluation of Children with Sickle Cell Disease Treated for Chronic or

- Recurrent Pain using a Multidimensional Pain Management Model, American Society of Pediatric Hematology Oncology Annual Meeting - Poster Presentation, Montreal, Canada, 04/2010
- Epping A, Jirovec DL, Newby RF, Panepinto JA, Brandow AM, Scott JP, Transitional Care: Educational and Employment Outcomes of Adults with Sickle Cell Disease, American Society of Pediatric Hematology Oncology Annual Meeting - Poster Presentation, Montreal, Canada, 04/2010
- Epping A, Newby RF, Panepinto JA, Brandow AM, Jirovec DL, Scott JP, Patterns of Academic Achievement in Children with Sickle Cell Disease, American Society of Pediatric Hematology Oncology Annual Meeting - Poster Presentation, San Diego, CA, 12/2010
- Brandow AM and Panepinto JA, Monitoring Hydroxyurea in Children with Sickle Cell Disease: Results of a National Provider Survey, Sickle Cell Disease Symposium and Scientific Meeting - Oral Presentation, Fort Lauderdale, FL, 02/2011
- Brandow AM, Kattappuram R, Panepinto JA, Hydroxyurea Effectively Decreases the Probability of Acute Chest Syndrome in Children with Sickle Cell Disease, American Society of Pediatric Hematology Oncology Annual Meeting - Poster Presentation, Baltimore, MD, 04/2011
- Brandow AM, Kattappuram R, Hillery CA, Stucky CL, Panepinto JA, Patients with sickle cell disease have increased sensitivity to cold and heat stimuli., American Society of Hematology Annual Meeting, San Diego, CA, 12/2011
- Brandow AM, Farley RA, Panepinto JA, Existence of neuropathic pain in patients with sickle cell disease, American Society of Hematology Annual Meeting, Atlanta, GA, 12/2012
- Myrvik MP, Brandow AM, Drendel AI, Hoffman RG, Yank K, Panepinto JA, Clinically meaningful measurement of pain in children with sickle cell disease, 7th Annual Sickle Cell Disease Research and Educational Symposium/National Sickle Cell Disease Scientific Meeting, Miami, FL, 04/2013
- Brandow AM, Farley RA, Hoffmann RG, Panepinto JA, The use of neuropathic pain drugs in patients with sickle cell disease is associated with older age and female gender, American Society of Hematology Annual Meeting, New Orleans, LA, 12/2013
- Green NS, Thornburg C, Brandow AM, Sharma M, Bekele E, Smaldone A, Are difficulties in taking medication an impediment for children to use hydroxyurea?, American Society of Hematology Annual Meeting, New Orleans, LA, 12/2013

COMMITTEE SERVICE:

Medical College of Wisconsin

- 2004 - 2005 Residency Selection Committee, Pediatrics, Medical College of Wisconsin
- 2006 - 2007 Residency Selection Committee, Pediatrics, Medical College of Wisconsin
- 2007 Participated in Curriculum Design for 2007-2008, Joint Fellowship Curriculum Committee, Pediatrics, Medical College of Wisconsin
- 2013 Member, Clinical Research Scholars Program Selection Committee Clinical and Translational Sciences Institute, Pediatrics, Medical College of Wisconsin
- 2013 Member, Faculty Scholarly Evaluation Committee, Hematology/Oncology/BMT, Pediatrics, Medical College of Wisconsin
- 2013 Member, Children's Specialty Group Professional Development Committee, Pediatrics, Medical College of Wisconsin
- 2013 - 2014 Member, Fellowship Committee, Hematology/Oncology/BMT, Pediatrics, Medical College of Wisconsin
- 2013 Member, Physician-Scientist Pathway Council, Pediatrics, Medical College of Wisconsin
- 2013 - Present Member, Joint Fellowship Curriculum Committee, Pediatrics, Medical College of Wisconsin
- 06/2014 - Present Member, Program Evaluation Committee, Hematology/Oncology/BMT, Pediatrics, Medical College of Wisconsin
- 06/2014 - Present Member, Clinical Competency Committee, Hematology/Oncology/BMT, Pediatrics, Medical College of Wisconsin

MCW TEACHING ACTIVITIES:

Medical Student Education

- 11/2005 American Medical Women's Association, Student Chapter - Women in Medicine: Work and Life Balance

- 2005 Medical Interviewing Class - 8 week class for M1 students on conducting appropriate medical interviews using simulated patients
- 2008 Biochemistry case-based discussion, "Sickle Cell Disease"
- 2010 - 2011 Physician Scientist Pathway Small Group Facilitator (Spring Quarter) - Facilitated small group discussion revolving around clinical research skills
- 2012 Biochemistry case-based discussion, "Sickle Cell Disease"
- 2013 M1 Foundations of Clinical Medicine Course, Guest Facilitator, "How to Take a Pain History" (using a standardized patient with sickle cell disease)

Graduate Student Education

- 2013 Clinical and Translational Science Institute Translational Human Genetics Course: Hemoglobinopathies

Resident and Fellow Education

- 2004 - 2005 Professors' Rounds - Led case based presentations and discussions for entire pediatric residency program and faculty
- 2004 - 2005 General Pediatric Ward Teaching Attending - conducted daily teaching attending rounds for 3-4 pediatric residents on the inpatient general pediatric ward team (2 months)
- 2004 - 2005 Senior Resident Morning Report - assisted in morning report for senior residents rotating on the inpatient pediatric service (12 months)
- 07/2007 Joint Fellowship Curriculum and Resident Retreat - Getting the Most out of your First Year of Fellowship
- 2008 - 2011 Pediatric Hematology/Oncology Fellowship Lecture Series - Thalassemia
- 2008 - 2009 Pediatric Hematology/Oncology Fellowship Lecture Series - Sickle Cell Disease
- 2009 - 2010 General Pediatric Ward Teaching Attending - Conducted daily teaching attending rounds for 3-4 pediatric residents on the inpatient general pediatric ward team (1 month)
- 2010 Clinical and Translational Science Institute Translational Human Genetics Course: Hemoglobinopathies
- 2010 Joint Fellowship Curriculum - Career Development Panel
- 2010 - 2011 Pediatric Sub-specialty Panel - Participated in Pediatric Special Interest Group's panel discussion about subspecialty careers in pediatric medicine
- 07/2011 Pediatric Residency Lecture Series - Sickle Cell Disease
- 2011 Clinical and Translational Science Institute Translational Human Genetics Course: Hemoglobinopathies
- 2011 Pediatric Resident Noon Conference Lecture Series: Sickle Cell Disease, Anemia, Novel Mechanisms of Pain in Sickle Cell Disease
- 2011 Pediatric Resident Journal Club Facilitator PL3 Journal Club
- 2012 Pediatric Resident Journal Club Facilitator - PL3 Journal Club
- 2012 Pediatric Resident Noon Conference Lecture Series: Sickle Cell Disease, Anemia, Novel Mechanisms of Pain in Sickle Cell Disease
- 2012 Clinical and Translational Science Institute Translational Human Genetics Course: Hemoglobinopathies
- 2013 Pediatric Resident Noon Conference Lecture Series: Sickle Cell Disease, Anemia, Novel Mechanisms of Pain in Sickle Cell Disease
- 2013 Pediatric Resident Journal Club Facilitator - PL3 Journal Club

Continuing Medical Education

- 01/2006 - 07/2007 Hematology/Oncology Nursing Education Curriculum - Fever and Neutropenia
- 01/2007 - 09/2007 Transport Team Quarterly Educational Conference - Emergencies in Pediatric Leukemia
- 08/2007 Hematology/Oncology Nursing Education Curriculum - Oncologic Emergencies
- 12/15/2008 - 12/16/2008 Wisconsin Regional Transport Team Conference Simulation Lab Facilitator - Hematologic Emergencies
- 03/2009 Pediatric Pulmonology Educational Seminar - Pulmonary Complications of Sickle Cell Disease
- 04/2009 Children's Research Institute Academic Conference - Advancing the Care and Prevention of Pain in Children with Sickle Cell Disease
- 11/2009 - 03/2010 Marquette Nursing Students Lecture - Impact of Sickle Cell Disease on Health-related

Quality of Life: Listening to the Voices of the Children
11/2009 Epidemiology Seminar - Hydroxyurea in Children with Sickle Cell Disease: Practice Patterns and Barriers to Utilization
03/2010 Pediatric Hematology/Oncology Research Seminar - Novel Mechanisms of Pain in Sickle Cell Disease: A Bench to Bedside Approach
06/2011 Pediatric Critical Care Core Curriculum - Hemolytic Uremic Syndrome and Thrombotic Thrombocytopenia Purpura

EXTRAMURAL TEACHING:

Medical Student Education

2004 - 2005 Medical College of Wisconsin/Children's Hospital of Wisconsin, General Pediatric Ward Teaching Attending - Conducted daily teaching attending rounds for 3-4 students on the inpatient general pediatric ward team (2 months)
2009 - 2010 Medical College of Wisconsin/Children's Hospital of Wisconsin, General Pediatric Ward Teaching Attending - Conducted daily teaching attending rounds for 3-4 students on the inpatient general pediatric ward team (1 month)

MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:

Medical Students

2013 - 2014 Nicholas Tadeo, Clinical Advisor, Medical College of Wisconsin
2013 - 2014 Emily Roth, Clinical Advisor, Medical College of Wisconsin

Residents

2012 - 2014 Matthew Ehrhardt, MD, Peds: Heme/Onc/BMT Fellow, Scholarly Oversight Committee Member, Medical College of Wisconsin

CAREER DEVELOPMENT ACTIVITIES:

08/2009 - 08/2010 American Society of Hematology Clinical Research Training Institute - One of 20 selected to participate in this year-long education and mentoring program focused on training hematologists for careers in clinical research.
09/2009 - 09/2011 K30 Clinical Research Scholars Program, Medical College of Wisconsin - One of 12 selected to participate in the NIH sponsored program with the goal of training junior faculty for a successful career in clinical research.

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Kam J, Panepinto JA, Brandow AM, Brousseau DC. Parental perception of quality of hospital care for children with sickle cell disease. *WMJ*. 2008 May;107(3):131-5.
2. Brandow AM, Brousseau DC, Panepinto JA. Postdischarge pain, functional limitations and impact on caregivers of children with sickle cell disease treated for painful events. *Br J Haematol*. 2009 Mar;144(5):782-8. PMID: PMC3118502
3. Brousseau DC, Mukonje T, Brandow AM, Nimmer M, Panepinto JA. Dissatisfaction with hospital care for children with sickle cell disease not due only to race and chronic disease. *Pediatr Blood Cancer*. 2009 Aug;53(2):174-8.
4. Brandow AM, Brousseau DC, Pajewski NM, Panepinto JA. Vaso-occlusive painful events in sickle cell disease: impact on child well-being. *Pediatr Blood Cancer*. 2010 Jan;54(1):92-7. PMID: PMC3114448
5. Brandow AM, Jirovec DL, Panepinto JA. Hydroxyurea in children with sickle cell disease: practice patterns and barriers to utilization. *Am J Hematol*. 2010 Aug;85(8):611-3. PMID: PMC2911651
6. Brandow AM, Weisman SJ, Panepinto JA. The impact of a multidisciplinary pain management model on sickle cell disease pain hospitalizations. *Pediatr Blood Cancer*. 2011 May;56(5):789-93. PMID: PMC3069506
7. Brandow AM, Liem R. "Sickle Cell Disease in the Emergency Department: Atypical Complications and

- Management". *Clin Pediatr Emerg Med*. 2011 Sep 01;12(3):202-212. PMID: PMC3172721
8. Brandow AM, Panepinto JA. Monitoring toxicity, impact, and adherence of hydroxyurea in children with sickle cell disease. *Am J Hematol*. 2011 Sep;86(9):804-6. PMID: PMC3804029
 9. Hillery CA, Kerstein PC, Vilceanu D, Barabas ME, Retherford D, Brandow AM, Wandersee NJ, Stucky CL. Transient receptor potential vanilloid 1 mediates pain in mice with severe sickle cell disease. *Blood*. 2011 Sep 22;118(12):3376-83. PMID: PMC3179403
 10. Brandow AM, Stucky CL, Hillery CA, Hoffmann RG, Panepinto JA. Patients with sickle cell disease have increased sensitivity to cold and heat. *Am J Hematol*. 2013 Jan;88(1):37-43. PMID: PMC3552380
 11. Anderson C, Torres S, Gokuli S, Brandow AM, Panepinto JA. Assessment of communication modes in patients and families with sickle cell disease. *Pediatr Blood Cancer*. 2013 May;60(5):887.
 12. Epping AS, Myrvik MP, Newby RF, Panepinto JA, Brandow AM, Scott JP. Academic attainment findings in children with sickle cell disease. *J Sch Health*. 2013 Aug;83(8):548-53.
 13. Myrvik MP, Brandow AM, Drendel AL, Yan K, Hoffmann RG, Panepinto JA. Clinically meaningful measurement of pain in children with sickle cell disease. *Pediatr Blood Cancer*. 2013 Oct;60(10):1689-95. PMID: PMC3993972
 14. Brandow AM, Farley RA, Panepinto JA. Neuropathic pain in patients with sickle cell disease. *Pediatr Blood Cancer*. 2014 Mar;61(3):512-7. PMID: PMC4357477
 15. Dobrozsi, S, Flood V, Panepinto JA, Scott JP, Brandow AM. Vitamin B12 deficiency: the great masquerader. *Pediatr Blood Cancer* 2014; 61:753-5.
 16. Bekele E, Thornburg CD, Brandow AM, Sharma M, Smaldone AM, Jin Z, Green NS. Do difficulties in swallowing medication impede the use of hydroxyurea in children? *Pediatr Blood Cancer*. 2014 Sep;61(9):1536-9. PMID: PMC4184198
 17. Myrvik MP, Drendel AL, Brandow AM, Yan K, Hoffmann RG, Panepinto JA. A Comparison of Pain Assessment Measures in Pediatric Sickle Cell Disease: Visual Analog Scale Versus Numeric Rating Scale. *J Pediatr Hematol Oncol*. 2015 Apr;37(3):190-4.
 18. Wong TE, Brandow AM, Lim W, Lottenberg R. Update on the use of hydroxyurea therapy in sickle cell disease. *Blood*. 2014 Dec 18;124(26):3850-7; quiz 4004. PMID: PMC4271176
 19. Brandow AM, Farley RA, Dasgupta M, Hoffmann RG, Panepinto JA. The use of neuropathic pain drugs in children with sickle cell disease is associated with older age, female sex, and longer length of hospital stay. *J Pediatr Hematol Oncol*. 2015 Jan;37(1):10-5. PMID: PMC4270887
 20. Brandow AM, Farley RA, Panepinto JA. Early insights into the neurobiology of pain in sickle cell disease: A systematic review of the literature. *Pediatr Blood Cancer*. 2015 May 13;doi: 10.1002/pbc.25574 PMID:25976161
 21. Estep JH, Melloni C, Thornburg CD, Wiczling P, Rogers Z, Rothman JA, Green NS, Liem R, Brandow AM, Crary SE, Howard TH, Morris MH, Lewandowski A, Garg U, Jusko WJ, Neville KA, Best Pharmaceuticals for Children Act-Pediatric Trials Network Administrative Core Committee. Pharmacokinetics and bioequivalence of a liquid formulation of hydroxyurea in children with sickle cell anemia. *J Clin Pharmacol*. 2016 Mar;56(3):298-306. PMID: PMC4892120
 22. Brandow AM, Panepinto JA. Clinical Interpretation of Quantitative Sensory Testing as a Measure of Pain Sensitivity in Patients With Sickle Cell Disease. *J Pediatr Hematol Oncol*. 2016 May;38(4):288-93. PMID: PMC4856159
 23. Brandow AM, Nimmer M, Simmons T, Charles Casper T, Cook LJ, Chumpitazi CE, Paul Scott J, Panepinto JA, Brousseau DC. Impact of emergency department care on outcomes of acute pain events in children with sickle cell disease. *Am J Hematol*. 2016 Dec;91(12):1175-1180.
 24. Brandow AM et al. The impact of a multidisciplinary pain management model on sickle cell disease pain hospitalizations. *Pediatr Blood Cancer*. 2010 Dec 15:
 25. Brandow AM, Farley RA, Panepinto JA. Early insights into the neurobiology of pain in sickle cell disease: A systematic review of the literature. *Pediatr Blood Cancer*. 2015 Sep;62(9):1501-11. PMID: PMC4515148
 26. Brandow AM, Wandersee NJ, Dasgupta M, Hoffmann RG, Hillery CA, Stucky CL, Panepinto JA. Substance P is increased in patients with sickle cell disease and associated with haemolysis and hydroxycarbamide use. *Br J Haematol*. 2016 Oct;175(2):237-245. PMID: PMC5063705
 27. Acquazzino MA, Iglar EC, Dasgupta M, Simpson P, Browning MB, Brandow AM. Patient-reported neuropathic pain in adolescent and young adult cancer patients. *Pediatr Blood Cancer*. 2017 Mar;64(3).
 28. Brandow AM, Zappia KJ, Stucky CL. Sickle cell disease: a natural model of acute and chronic pain. *Pain*. 2017 Apr;158 Suppl 1(Suppl 1):S79-S84. PMID: PMC5350013

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