

CURRICULUM VITAE

Amy L. Drendel DO

**Interim Chief, Professor
Department of Pediatrics
Division of Emergency Medicine**

OFFICE ADDRESS:

Children's Corporate Center
999 N 92 St
Milwaukee, WI 53226

EDUCATION:

08/1989 - 05/1993 BS - Biology, Newcomb College, Tulane University, New Orleans, LA
08/1993 - 05/1997 DO, Chicago College of Osteopathic Medicine, Midwestern University, Downer's Grove, IL
08/2002 - 05/2005 MS - Epidemiology, Medical College of Wisconsin, Graduate School of Biomedical Sciences, Milwaukee, WI
08/2018 - 08/2021 MS Healthcare Leadership and Management, University of Texas at Dallas, Dallas, TX

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/1997 - 06/1998 Intern, Rotating Osteopathic, St. Joseph Community Hospital, Mishawauka, IN
07/1998 - 06/2001 Resident, Pediatric, Rush Children's Hospital, Chicago, IL
07/2001 - 06/2002 Chief Resident, Pediatric, Rush Children's Hospital, Chicago, IL
07/2002 - 06/2005 Fellow, Pediatric Emergency Medicine, Children's Hospital of Wisconsin, Milwaukee, WI
11/2005 HPLC training, HPLC Operations: Waters Corp, Milford, MA
11/2006 Mass Spec Training, Mass Spectrometry Operations: Waters Corp., Milford, MA
09/2009 - 09/2011 Advanced Research Training, Clinical Research Scholars Program, Medical College of Wisconsin, Milwaukee, WI
01/2013 - 05/2013 Qualitative Research Methods, Marquette University, Milwaukee, WI

FACULTY APPOINTMENTS:

07/2001 - 07/2002 Clinical Instructor, Department of Pediatrics, Rockford Memorial Hospital, Rockford, IL
07/2001 - 07/2002 Clinical Instructor, Department of Pediatrics, Rush Children's Hospital, Chicago, IL
07/2002 - 07/2005 Instructor, Department of Pediatrics, Medical College of Wisconsin, Milwaukee, WI
07/2005 - 10/2012 Assistant Professor, Department of Pediatrics, Division of Emergency Medicine, Medical College of Wisconsin, Milwaukee, WI
11/2012 - 06/2018 Associate Professor, Department of Pediatrics, Division of Emergency Medicine, Medical College of Wisconsin, Milwaukee, WI
07/2016 - Present Medical Director, Emergency Department, Emergency Department, Children's Wisconsin, Milwaukee, WI
07/2018 - Present Professor, Department of Pediatrics, Section of Emergency Medicine, Medical College of Wisconsin, Milwaukee, WI

HOSPITAL STAFF PRIVILEGES:

07/2002 - Present Children's Hospital of Wisconsin, 9000 W. Wisconsin Avenue, Wauwatosa, WI 53226

SPECIALTY BOARDS AND CERTIFICATION:

| <u>Board Certified</u> | <u>Issue Date</u> | <u>Expiration</u> |
|------------------------------|-------------------|-------------------|
| American Board of Pediatrics | 08/2001 | 2015 |

ABP –Emergency Medicine

08/2006

2020

| <u>Certificates</u> | <u>Issued By</u> | <u>Issue Date</u> | <u>Expiration</u> |
|---------------------|------------------|-------------------|-------------------|
| HPLC Operations | Waters Corp. | 2005 | None |
| MS Operations | Waters Corp. | 2006 | None |
| PALS | AHA | 2010 | 2012 |
| PALS –Instructor | AHA | 2010 | 2012 |
| ATLS | ACS | 2010 | None |

| <u>Licensure</u> | <u>Number</u> | <u>Issue Date</u> | <u>Expiration</u> |
|-------------------|---------------|-------------------|-------------------|
| Wisconsin License | | 10/2009 | None |

AWARDS AND HONORS:

05/1997 Sigma Sigma Phi National Honorary Fraternity, Chicago College of Osteopathic Medicine
06/1999 Intern of the Year, Rush Pediatric Residency Program, Rush St Luke's Presbyterian Hospital
05/2001 Third place: Unusual Clinical Case Competition, Chicago Medical Society
06/2004 Emergency Medicine Faculty Teaching Award , Medical College of Wisconsin
06/2004 Best Fellow Emergency Medicine Research Award, 12th Annual Emergency Medicine Research Forum, Medical College of WI
06/2005 Emergency Medicine Faculty Teaching Award , Medical College of Wisconsin
06/2008 Best Emergency Medicine Research Award, 16th Annual Emergency Medicine Research Forum, Medical College of WI
06/2009 Emergency Medicine Faculty Teaching Award , Medical College of Wisconsin
06/2011 Best Pediatric Research Award, 19th Annual Emergency Medicine Research Forum, Medical College of WI

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

1997 - Present American Osteopathic Association (Member)
2001 - Present American Academy of Pediatrics (Member)
2005 - Present Ambulatory Pediatric Association (Member)
2005 - Present Society of Academic Emergency Medicine (Member)
2005 - Present Wisconsin Medical Society (Member)
2008 - Present Society for Pediatric Research (Member)

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Journal Review
01/2005 - Present Pediatrics
02/2006 Pharmacoepidemiology and Drug Safety
2007 - Present McMaster Online Rating Evidence (MORE)
2010 - Present Academic Emergency Medicine

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Pending

Peer Review

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|---------------|---|
| Title: | A Randomized Clinical Trial of Combination of Analgesics for Pain Management of Childhood Musculoskeletal Trauma |
| Source: | Canadian Institutes of Health |
| Role: | Co-Investigator |
| PI: | Sylvie Lemay |
| Dates: | 01/01/2012 - 01/01/2015 |
| Direct Funds: | \$998,900 |

Title: The Changing Faces of Children's Pain :
Using Genomics to Inform Safe and
Effective Pain Management
Source: Canadian Institutes of Health
Role: Co-Investigator
PI: Samina Ali
Dates: 01/01/2012 - 12/31/2012
Direct Funds: \$99,848

Title: A Child's Perspective of Pain
Management in the Pediatric Emergency
Department
Source: ACCSGR: Alberta Child and
Community Research Foundation
Role: Co-Investigator
Dates: 01/2012 - 12/2013
Direct Funds: \$40,000

Title: Behavioral and Biological Determinants
of Analgesic Effectiveness
Source: NIH K23 Career Development
Role: PI
PI: Amy L. Drendel
Dates: 07/01/2012 - 06/30/2017
Direct Funds: \$671,625

Prior
Peer Review

Title: Ibuprofen vs. Acetaminophen with
Codeine in Acute Pediatric Arm
Fractures
Source: Children's Hospital Foundation
Role: Principal Investigator
PI: Self
Dates: 07/2003 - 07/2005
Direct Funds: \$4,500

Title: NIH Loan Repayment Program
Source: Children's Research Institute
Role: Principal Investigator
PI: Self
Dates: 07/2006 - 07/2010
Direct Funds: \$140,000 ((total for four years) toward
loan repayment)

Title: Pharmacokinetic Disposition of
Ibuprofen in Children
Source: Children's Research Institute
Role: Principal Investigator
PI: Self
Dates: 07/2007 - 07/2008
Direct Funds: \$30,000

Title: Using Genomics to Address Drug Safety
in Children with Traumatic Injury: An

| | |
|---------------|---|
| | Innovative Approach to a Common Problem |
| Source: | Canadian Institute of Health Research |
| Role: | Co-investigator |
| Dates: | 08/2010 - 08/2011 |
| Direct Funds: | \$99,848 |

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Local

The History of Resuscitation, Kramer J. Rush Children's Hospital, Pediatric Grand Rounds, Chicago, IL, 05/2002

Visual Diagnosis, Pediatric Emergency Medicine in the New Millenium: Challenges and Controversies, Wisconsin Dells, WI, 10/2004

Pharmacogenomics: Bench to Bedside, Emergency Department/ Surgery Conference, Milwaukee, WI, 04/2006

Outpatient Pain Management for Children Pediatric Mock Code Workshop, Pediatric Emergency Medicine in the New Millenium: Challenges and Controversies, Waukesha, WI, 10/2006

Asthma, Bronchiolitis and Croup, Transport Expanded Role Lecture Series, Milwaukee, WI, 10/2006

Airway Emergencies, Transport Expanded Role Lecture Series, Milwaukee, WI, 10/2007

Airway Management for the Pediatric Patient, Emergency Medicine Conference: Emergency Airway Management, Milwaukee, WI, 05/2008

Respiratory Emergencies: The ABC's, Children's Hospital of Wisconsin Transport Medicine Conference, Milwaukee, WI, 12/2008

Pediatric Pain and Procedural Sedation, Emergency Department/ Surgery Conference, Milwaukee, WI, 05/2009

Airway Management for the Pediatric Patient, Emergency Medicine Conference: Emergency Airway Management, Milwaukee, WI, 05/2009

Neonatal Emergencies, Medical College of Wisconsin Emergency Medicine Regional Conference: ResuscitatED, Milwaukee, WI, 06/2009

Pediatric Rapid Sequence Intubation; Pearls and Pitfalls, Medical College of Wisconsin Emergency Medicine Regional Conference: ResuscitatED, Milwaukee, WI, 06/2010

Pain Management in the Injured Pediatric Patient, Emergency Department/ Surgery Conference, Milwaukee, WI, 07/2010

OUCH! Advances in Treatment of Acute Pediatric Pain, Children's Hospital of Wisconsin Pediatric Grand Rounds, Milwaukee, WI, 09/2010

Pediatric Airway Emergencies: Bronchiolitis and Croup, light for Life Resuscitation Conference, Kenosha and Fond du Lac, WI, 09/2010

Pediatric Airway Emergencies: Bronchiolitis and Croup, Flight for Life Resuscitation Conference, Kenosha and Fond du Lac, WI, 10/2010

Advances in Treatment of Acute Pediatric Pain, United Hospital System: Emergency Medicine Grand Rounds, Kenosha, WI, 2010

Bronchiolitis and Croup: Cough and Wheeze, Medical College of Wisconsin's Annual Winter Refresher Course for Family Medicine, Milwaukee, WI, 02/2011

Bruised Bellies, Emergency Department/ Surgery Conference, Milwaukee, WI, 06/2011

Pediatric Trauma: Kids are not just little adults, Southeast Regional Trauma Conference, Pewaukee, WI, 09/2011

National

Pediatric Emergency Medicine: A Review and Update, American Medical Seminars, Sarasota, FL, 04/2010

Pediatric Emergency Medicine: A Review and Update, American Medical Seminars, Sarasota, FL, 04/2011

International

Pharmacogenomic Implications for the Emergency Department, Pediatric Emergency Medicine, Pediatric Academic Society Meeting, Toronto, Canada, 05/2007

ED Pain Treatment Research Initiatives, Symposium for Pediatric Pain Management in the Emergency Department, Banff, Alberta, Canada, 01/2011 - Present

COMMITTEE SERVICE:**Medical College of Wisconsin**

- 07/2003 - Present Member, Code Committee Emergency, Department Representative, Medical College of Wisconsin
- 07/2003 - 07/2009 Member, Emergency Department Pain Committee, Medical College of Wisconsin
- 07/2004 - Present Member, Improvement Committee, Trauma Physician Performance, Medical College of Wisconsin
- 07/2006 - 07/2009 Member, Women's Faculty Council, Medical College of Wisconsin
- 07/2007 - Present Member, Comfort Zone Committee, Medical College of Wisconsin
- 07/2007 - 07/2008 Chair, Communications Committee, Medical College of Wisconsin
- 07/2008 - Present Member, Human Research Review Board (IRB), Medical College of Wisconsin
- 2008 ad hoc Representative, Human Research Review Board, Medical College of Wisconsin
- 2008 Child Care Liaison, Women's Faculty Council, Medical College of Wisconsin
- 07/2009 - Present Member, Emergency Events Committee, Medical College of Wisconsin
- 07/2009 - Present Member, Pharmacy and Therapeutics Committee, Medical College of Wisconsin
- 2009 - Present Physician Co-Chair, Comfort Zone Committee, Medical College of Wisconsin

MEDICAL COLLEGE TEACHING ACTIVITIES:**Medical Student Education**

- 2003 Small group leader, M-1 Biochemistry, Case-based clinical correlation in small group discussions
- 2003 - 2006 Lecturer/Supervisor, M-3 Clinical Procedures Rotation, Monthly four-hour course teaching pediatric resuscitation
- 2007 - 2009 Clinical Preceptor, M2 Clinical Examination & Reasoning Course
- 2009 - Present Small group leader, Medical School Physician Scientist Pathway, Monthly small group interactive research mentoring
- 2010 Clinical Mentor for 1st year Medical Student, 50 hours of clinical mentoring in the Emergency Department

Resident and Fellow Education

- 2002 - Present Lecturer, Pediatric Resident Curriculum: Emergency Medicine. Weekly required two-hour conferences for residents rotating in the emergency department – average four/year. Topics include mock codes and pain treatment
- 2002 - Present Lecturer, Emergency Resident Curriculum: Pediatrics, Invited lecturer for resident education on a variety of topics related to acutely ill and injured children; 1 annually
- 2002 - Present Clinical Educator, Emergency Department Attending, Children's Hospital of Wisconsin. On average 18 residents/month including Pediatric, Emergency Medicine and Family Medicine residents, Precept residents at all levels for patients with acute illness and injury, including assessment and management. Teach and supervise procedures including splinting, suturing, lumbar puncture and critical care procedures
- 2005 - Present Lecturer, Core Curriculum: Pediatric Emergency Medicine Fellowship. Orientation lecturer for fellows; 1 annually.
- 2005 - Present Lecturer, Joint Fellowship Curriculum, Department of Pediatrics. Invited lecturer for fellows on a variety of topics related to academic career development; 1 annually
- 2005 - Present Faculty moderator, Pediatric Emergency Medicine Book Club. Required monthly one hour meeting to discuss chapter from pediatric emergency medicine text; attend quarterly.
- 2005 - Present Clinical Educator, Emergency Department Attending, Children's Hospital of Wisconsin. 9 pediatric emergency medicine fellows/month. Precept fellows at all levels for patients with acute illness and injury, including assessment and management. Teach and supervise critical care procedures,
- 2006 - Present Preceptor, Mock Code Simulation, Pediatric Emergency Medicine. 2-hour mock code simulation of the resuscitation of complex and critically ill children; 1-2 conferences annually.
- 2006 - Present Teacher, Pediatric Emergency Medicine Fellow Case Conference. 1-hour case conference to review complex and critically ill patients; quarterly conference
- 2006 - Present Preceptor, Mock Code Simulation Lab, Pediatric Emergency Medicine. Preceptor in a

- 2-hour mock code simulation of the resuscitation of complex and critically ill children; 6 conferences annually
- 2007 - Present Mentor, Emergency Medicine Resident Research Curriculum. Invited research mentor for residents with pediatric interests -quarterly meetings.
- 2011 - Present Faculty moderator, PL-3 Pediatric Journal Club. Teach third year residents advanced skills in critical article review -attend monthly.

Graduate Student Education

- 2008 - Present Lecturer/Small group leader, Designing Clinical Research, Department of Epidemiology, MCW, Small group guidance for research design and methods for epidemiology graduate students (10-hours annually), 1 hour Lecture on Diagnostic Testing: 2009, 2010, 2011

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

Undergraduate Students

- Brian Kelly, Medical College of Wisconsin, 07/2003 - 06/2005 Providing shadowing and medical career guidance (6-20 hrs/student) all of whom successfully matriculated to medical school
- Katarina Zoltan, Medical College of Wisconsin, 07/2004 - 06/2005 Providing shadowing and medical career guidance (6-20 hrs/student) all of whom successfully matriculated to medical school
- Mara Bacon Syring, Medical College of Wisconsin, 07/2005 - 06/2006 Providing shadowing and medical career guidance (6-20 hrs/student) all of whom successfully matriculated to medical school
- Jeremy Zimmerman, Medical College of Wisconsin, 07/2006 - 06/2007 Providing shadowing and medical career guidance (6-20 hrs/student) all of whom successfully matriculated to medical school
- Mohammed Rahemtulla, Medical College of Wisconsin, 07/2007 - 06/2008 Providing shadowing and medical career guidance (6-20 hrs/student) all of whom successfully matriculated to medical school
- Elisabeth Giblin, Medical College of Wisconsin, 07/2008 - 06/2009 Providing shadowing and medical career guidance (6-20 hrs/student) all of whom successfully matriculated to medical school
- Caroline Walburg, Medical College of Wisconsin, 07/2009 - 06/2010 Providing shadowing and medical career guidance (6-20 hrs/student) all of whom successfully matriculated to medical school

Medical Students

- Brian T. Kelly, M-1, MCW, Medical College of Wisconsin, 07/2006 - 06/2007 Summer Student Project Mentor
- Renee Zimmerman, MCW, Medical College of Wisconsin, 07/2006 - 06/2009 Summer Student Project Mentor: M1 and M2, Honors in Research Mentor: M4
- Dana Mueller, MCW, Medical College of Wisconsin, 07/2008 - 06/2011 Summer Student Project Mentor: M1, Physician Scientist Pathway Mentor: M2-M4
- Molly Gill, MCW, Medical College of Wisconsin, 07/2009 Summer Student Project Mentor: M1. Physician Scientist Pathway Mentor M2-3. Honors Thesis Mentor: M4
- Milad Eshaq, M1, MCW, Medical College of Wisconsin, 07/2010 - 09/2010 Summer Pediatric Externship
- Ashish Shah, M1, MCW, Medical College of Wisconsin, 07/2010 - 09/2010 Summer Pediatric Externship
- Max Geers, MCW, Medical College of Wisconsin, 07/2010 - Present Summer Student Project Co-Mentor: M1. Physician Scientist Pathway Mentor: M2-M3
- Medical College of Wisconsin, 2010 Invited reviewer for MCW Honors in Research Thesis
- Nancy Stevens, MCW, Medical College of Wisconsin, 07/2011 Summer Student Project Mentor: M1, Physician Scientist Pathway Mentor: M2
- Seth Kutick, M1, MCW, Medical College of Wisconsin, 07/2011 - Present Summer Student Project Mentor: M1
- Nick Philpot, Medical College of Wisconsin, 10/2011 - Present Master Clinical Pathway Mentor
- Jenna Reichel, Medical College of Wisconsin, 10/2011 - Present Master Clinician Pathway Mentor
- Itohan Otasowie, Medical College of Wisconsin, 12/2011 - Present Clinical Continuum Mentor

Graduate Students

MS Students Advised

- Candi Humphries, Nurse Practitioner, Medical College of Wisconsin, 07/2009 - 06/2010 Clinical preceptor for Doctoral work: 500 hours
- Peter DiRocco, MD, Medical College of Wisconsin, 07/2011 - 09/2011 Epidemiology Elective

Preceptor

Clinical/Research Fellows

Eric Kroner, MD, Medical College of Wisconsin, 07/2006 - 06/2008 Scholarship Oversight Committee

Lisa Uherick, MD, Medical College of Wisconsin, 07/2007 - 06/2008 Research elective mentor

Ryan Scheper, MD, Medical College of Wisconsin, 07/2009 - 06/2013 Chair of Scholarship Oversight Committee

Heather Saavedra, MD, Medical College of Wisconsin, Chair of Scholarship Oversight Committee

Residents

Shaun Summeril, MD, Medical College of Wisconsin, 07/2006 - 06/2007 Research Elective Preceptor

Maren Lunoe, MD, Medical College of Wisconsin, 07/2010 - Present Research mentor, Research elective preceptor

Brian Kelly, MD, Medical College of Wisconsin, 07/2010 - Present Research elective preceptor, Research mentor

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

Medical Students

Jeremy Zimmerman, M1 and M2, Northwestern University, 07/2007 - 06/2008 Clinical Skills Mentor

PROGRAMMATIC DEVELOPMENTS:

Educational Programs

Student

2010 Author and Producer of a patient education video: "Treating Pain At Home"

Fellow

07/2006 - Present Co-designed and Teach the Pediatric Emergency Medicine Fellow Resuscitation Course

2006 - Present Designed and Direct the Pediatric Emergency Medicine Fellow Conference: "Drendel Files"

Resident

07/2007 - Present Co-designed and teach the Emergency Medicine Resident Resuscitation Course

Faculty

2010 - Present Designed and Direct the Nitrous Oxide Training Workshop

COMMUNITY SERVICE ACTIVITIES:

1994 - 1997 Pacific Gardens Homeless Shelter, Chicago, Illinois Medical student volunteer at a homeless shelter

2001 - 2002 KIDSHIP (Kids Shelter Health Improvement Project), Chicago, Illinois Outreach physician for homeless children in six Chicago shelters

2004 Uhlein Soccer Complex, Milwaukee, Wisconsin Volunteer physician for soccer games

2004 - 2008 Phantom Regiment Drum and Bugle Corp, Rockford, Illinois Volunteer physician

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Mycyk M, DRENDEL A, Sigg T, Leikin J. Leukemoid response in ethylene glycol intoxication. Vet and Human Toxicology. 44(5):304-6, 2002. PMID: 12361122.
2. DRENDEL AL, Lyon R, Bergholte J, Kim M. Outpatient pediatric pain management practices for fractures. Pediatric Emergency Care. 22(2):94-9, 2006. PMID: 16481924.

3. DRENDEL AL, Brousseau DC, Gorelick MH. Pain assessment for pediatric patients in the emergency department. *Pediatrics*. 117(5):1511-8, 2006. PMID: 16651304.
4. Walsh-Kelly CM, DRENDEL AL, Gales MS, Kelly KJ. Childhood asthma in the emergency department: trends, challenges and opportunities. *Current Allergy and Asthma Reports*. 6(6):462-67, 2006. PMID: 17026872.
5. Brousseau DC, McCarver DG, DRENDEL AL, Divakaran K, Panepinto JA. The effect of CYP2D6 polymorphisms on the response to pain treatment for pediatric sickle cell pain crisis. *Journal of Pediatrics*. 150(6):623-6, 2007. PMCID: PMC1978168.
6. Walsh-Kelly C, Kelly K, DRENDEL AL, Grabowski L, Kuhn E. Emergency department revisits for pediatric acute asthma exacerbations: association of factors identified in an emergency department asthma tracking system. *Pediatric Emergency Care*. 24(8):505-510, 2008. PMID: 18645538.
7. DRENDEL AL, Gorelick MH, Weisman SJ, Lyon R, Brousseau DC, Kim MK. A randomized clinical trial of ibuprofen versus acetaminophen with codeine for acute pediatric arm fracture pain. *Annals of Emergency Medicine*. 54(4):553-60, 2009. PMID: 19692147.
8. Stevens MW, DRENDEL AL, Hainsworth KL. Pediatric minor injury outcomes: an initial report. *Pediatric Emergency Care*. 27(5):371-3, 2011. PMID: 21494167.
9. Gill M, DRENDEL AL, Weisman SJ. Insights to improve pediatric pain treatment at home through the assessment of parent satisfaction. *The Clinical Journal of Pain*. 2011, In press.
10. Gorodinsky AY,* Joseph JM, Davies WH, DRENDEL AL, Weisman SJ. Community parents' use of non-pharmacological techniques for pediatric pain management. *Children's Health Care*. 2012, In press.

Books, Chapters, and Reviews

1. DRENDEL A, Esterhai J, Sawyer J; "Orthopedic Problems of the Extremity" In: *Current Pediatrics Therapy*, edited by Burg F, Polin R, Ingelfinger J, Gershon A, 17th Edition. Philadelphia. PA: WB Saunders; 2002.
2. DRENDEL AL, Brousseau DC. Seizures Related to Toxins. In *Pediatric Resuscitation: A Practical Approach*, edited by Roback M, Teach S. Jones and Bartlett Publishers, 2005.
3. Sawyer J, DRENDEL AL; "Rotational Orthopedic Problems of the Extremities" In: *Current Pediatrics Therapy*, edited by Burg F, Polin R, Ingelfinger J, Gershon A, 18th Edition. Philadelphia. PA: WB Saunders; 2006.
4. DRENDEL AL, Gummin DD. "Special Populations: Pediatrics" In: *Toxico-terrorism*, edited by R McFee and J Leikin, McGraw-Hill Publishing. New York, New York; 2007.
5. DRENDEL AL. Pharmacogenomics of analgesic agents. *Clinical Pediatric Emergency Medicine*. 8(4):262-67, 2007.
6. Ali S, DRENDEL AL, Kircher J, Beno S. Pain management of musculoskeletal injuries in children: Current state and future directions. *Pediatric Emergency Care*. 26(7):518-524, 2010. PMID:20622635.
7. DRENDEL AL, Kelly BK, Ali S. Pain Assessment for Children: Overcoming Challenges and Optimizing Care. *Pediatric Emergency Care*. 27(8):773-81, 2011. PMID: 21822093.

Editorials, Letters to Editor, Other

1. DRENDEL AL, Ali S. Efficacy and practicality of codeine. *Canadian Medical Association Journal*. 183(3):349, 2011. PMCID: PMC3042450.

Abstracts

1. DRENDEL AL, Lyon R, Bergholte J, Kim M. Outpatient Pediatric Pain Management Practices for Fractures, E-PAS 2004:659 (Presented at the Annual Meeting of the Pediatric Academic Society San Francisco, California, May, 2004).
2. DRENDEL AL, Brousseau DC, Gorelick MH. Pain Assessment for Pediatric Patients in the Emergency Department, (Presented at the Annual Meeting of the American Academy of Pediatrics, Washington D.C. October 2005).
3. Walsh-Kelly C, Kelly KJ, DRENDEL AL, Grabowski L, Kuhn E. Emergency Department Re-Visits for Pediatric Acute Asthma Exacerbations: Association of Factors Identified in an ED Asthma Tracking System, E-PAS 2006:2745.12(Presented at the Annual Meeting of the Pediatric Academic Society, San Francisco, CA, May 2006).
4. Kelly B, Brousseau D, Gorelick M, DRENDEL AL. An Intervention to Improve Analgesic Administration in the Pediatric Emergency Department E-PAS 2007:6313.35 (Presented at the Annual Meeting of the Pediatric Academic Society, Toronto, May 2007).

5. Stevens M, DRENDEL AL, Hainsworth K. Short-term Outcomes and HRQOL after Pediatric Emergency Department Treatment of Minor Injury: A Pilot Study E-PAS 2007:6313.32 (Presented at the Annual Meeting of the Pediatric Academic Society, Toronto, May 2007 and the International Society for Pharmacoeconomics and Outcomes Research, Athens Greece 2008).
6. DRENDEL AL, Hainsworth K, Stevens M. Evaluation and Followup of Pain in Pediatric Minor Injury: A Pilot Study E-PAS 2007:6313.17 (Presented at the Annual Meeting of the Pediatric Academic Society, Toronto, May 2007).
7. Hainsworth K, DRENDEL AL, Stevens M. Weight-related Morbidity and Family Disruption Following Acute Minor Injury, E-PAS 2007:6313.28 (Presented at the Annual Meeting of the Pediatric Academic Society, Toronto, May 2007 and the International Society for Pharmacoeconomics and Outcomes Research, Athens Greece 2008).
8. Zimmermann R, DRENDEL AL, Kim M. Factors Associated with Increased Distress in Children during Painful Procedures in the Emergency Department, E-PAS 2007:7909.9 (Presented at the Annual Meeting of the Pediatric Academic Society, Toronto, May 2007).
9. Joseph J, Gorodzinsky A, Sato A, DRENDEL AL, Davies WB. Role of Parent and Child Gender in the Treatment of Pre-School and Early School-Age Children's Pain: Results from a Community Sample, (presented at the National Meeting for Child Health Psychology, Miami, FL, 2008).
10. Gorodzinsky A, Joseph J, Simon K, DRENDEL AL, Davies WH. Parents' Perceptions of Pharmacological and Non-pharmacological Techniques for Pain Control in Pre-School and Early School-Aged Children, (presented at the National Meeting for Child Health Psychology, Miami, FL, 2008).
11. Sato A, Simon K, Joseph J, DRENDEL AL, Davies WH. Pain in Preschool and Early School-Age Children: Prevalence in a Community Sample and Association with Behavior, (presented at the National Meeting for Child Health Psychology, Miami, FL, 2008).
12. DRENDEL AL, Gorelick M, Lyon R, Weisman S, Kim M. Ibuprofen vs Acetaminophen with Codeine for the Outpatient Treatment of Arm Fracture Pain E-PAS 2008:6425.2 (Presented at the Annual Meeting of the Pediatric Academic Society, Honolulu, HI, 2008, and the Annual Meeting of the Society of Academic Emergency Medicine, Washington DC, June 2008).
13. Apps JAN, DRENDEL AL, Lerch-Gaggl A, Halverson G, Holak E, Hulpert K, Jay M, Kim JE, Koduri S, Nilakantan V, Panepinto J, Sander T, Sahoo D, Tipnis S. Steps to Ensuring Equitable Compensation for Women. (Presented at the AAMC Annual Meeting, Boston, MA November 2009).
14. Mueller D, Summerill S, Keyes J, DRENDEL AL. Parental Knowledge and Perceptions of the Outpatient Treatment of Acute Pain, E-PAS 2009:3884.482 (Presented at the Annual Meeting of the Pediatric Academic Society, Baltimore, Maryland, May 2009).
15. Zimmerman R, DRENDEL AL. Parents Rate the Distress of a Child Higher Than Medical Providers During Procedures in the Emergency Department. E-PAS 2009:4331.153 (Presented at the Annual Meeting of the Pediatric Academic Society, Baltimore, Maryland, May 2009).
16. Gorodzinsky AY, Joseph JM, Heinze ST, Simon K, DRENDEL AL, Davies WH. Parents' Perceptions of Pharmacological and Non-pharmacological Techniques for Pain Control in Children, (presented at the Annual Meeting of the Society for Developmental and Behavioral Pediatrics, Portland Oregon, October 2009).
17. Joseph, J.M., Gorodzinsky, A.Y., Sato, A.F., DRENDEL AL., Davies, W.H. Role of parent and child gender in the treatment of preschool and early school-age children's pain: Results from a community sample. Poster, National Conference in Child Health Psychology, Miami, 2008.
18. Gill M, DRENDEL AL. Dissatisfaction in pediatric pain treatment: insights to improve treatment. (presented at the Annual Meeting of the Pediatric Academic Society, Vancouver, May 2010 and the Emergency Medicine Research Forum, Milwaukee WI, April 2010)
19. DRENDEL AL, Jirovec D, Weisman SJ. Can Data Collected at the End of a Study Replace Daily Data Collection in an Outpatient Pediatric Analgesic Trial? (Presented at the Annual Meeting of the Pediatric Academic Society, Vancouver, May 2010 and the Emergency Medicine Research Forum, Milwaukee WI, April 2010)
20. Stevens MW, DRENDEL AL, Layde P. Short-term Outcomes After Pediatric Emergency Department (PED) Treatment of Minor Injury (Presented at the Annual Meeting of the Pediatric Academic Society, Vancouver, May 2010)
21. Waldhart EE, Joseph JM, Gorodzinsky AY, DRENDEL AL, Davies WH. Parents' Concerns about Analgesic Use and the Impact on Proper Pain Management. AGSIP: Annual Graduate Student Research Symposium at UW-Milwaukee April 2010.
22. DRENDEL AL, Kelly BT, Weisman SJ. Few Children Receive Pain Treatment at Home. (Presented at the

- Annual Meeting of the Pediatric Academic Society, Denver, Colorado, May 2011).
23. Kelly BT, Friend T, DRENDEL AL. What Happens When a Nurse Pain Protocol is Discontinued in the Emergency Department? (Presented at the Annual Meeting of the Pediatric Academic Society, Denver, Colorado, May 2011, the Emergency Medicine Research Forum, Milwaukee WI, April 2010, and the Pediatric Research Forum Milwaukee, WI, April 2010).
 24. Saavedra H, DRENDEL AL, Panepinto JA, Brousseau DC, Kostic M, Gorelick MH. The Cost of Genotyping to Guide Analgesic Prescription. (Presented at the Annual Meeting of the Pediatric Academic Society, Denver, Colorado, May 2011 and the Emergency Medicine Research Forum, Milwaukee WI, April 2011).
 25. DRENDEL AL, Lyon R, Bergholte J, Kim M. Outpatient Pediatric Pain Management Practices for Fractures, E-PAS 2004:659 (Presented at the Annual Meeting of the Pediatric Academic Society San Francisco, California, May, 2004).