Electronic signature

Curriculum Vitae

Date Prepared: November, 2024

Name: Kenneth R. Goldschneider, M.D.

Office Address: 3333 Burnet Avenue, MLC 2001, Cincinnati, Ohio 45229

Home Address: 3846 Blackwood Court, Cincinnati, OH 45236

Work Phone: 513 636 7768

Work Email: kenneth.goldschneider@cchmc.org

Education:

12/1985 BA Biology-Psychology Wesleyan University

Middletown, CT

5/1991 MD Doctor of Medicine University of Connecticut

Health Center School of Medicine Farmington, CT

Postdoctoral Training:

07/91-06/94 Resident Pediatrics Department of Pediatrics

Duke University Medical

Center

0794-06/97 Resident Anesthesiology Department of

Anesthesiology and Critical

Care Medicine

University of Pittsburgh

Medical Center

07/88-06/89 Post-sophomore Pathology Department of Pathology

University of Connecticut

Health Center

07/97-6/98 Fellowship Pediatric Anesthesia Department of

Anesthesiology and Critical

Care Medicine

Children's Hospital of

Pittsburgh

07/98-06/99 Fellowship Pain Management Longwood Combined Pain

Fellowship

The Children's Hospital,

Boston

Faculty Academic Appointments:

Fellowship

08/97-1/98	Assistant Professor	Department of Anesthesiology and Critical Care Medicine	University of Pittsburgh Medical Center
08/99-8/03	Assistant Professor	Department of Anesthesia	Cincinnati Children's Hospital Medical Center
9/03-09/13	Associate Professor	Department of Anesthesia	Cincinnati Children's Hospital Medical Center
10/10-9/13	Associate Professor	Department of Anesthesia	Cincinnati Children's Hospital Medical Center
09/13-present	Professor	Department of Anesthesia	Cincinnati Children's Hospital Medical Center

Appointments at Hospitals/Affiliated Institutions:

08/99-8/03	Assistant Professor	Department of Anesthesia	Cincinnati Children's Hospital Medical Center
7/08-10/08	Acting Director	University of Cincinnati Pain Fellowship Department of Anesthesiology	University of Cincinnati, College of Medicine University of Cincinnati College Medicine
9/03-09/13	Associate Professor	Department of Anesthesia	Cincinnati Children's Hospital Medical Center
09/13-present	Professor	Department of Anesthesia	University of Cincinnati, College of Medicine Cincinnati Children's Hospital Medical Center
			University of Cincinnati, College of Medicine

Major Administrative Leadership Positions:

Local		
08/99-	Director, Division of Pain Management	Cincinnati Children's Hospital Medical
9/2010		Center
7/08-10/08	Acting Director, Pain Fellowship	University of Cincinnati, College Medicine
	Department of Anesthesiology	
10/2010-	Director, Pain Management Center	Cincinnati Children's Hospital Medical
present		Center

Committee Service:

Local		
1999-2004	Research Committee	Department of Anesthesia University of Cincinnati
2000	Health Policy and Clinical Effectiveness	Cincinnati Children's Hospital Medical Center
2000-2005	JCAHO Readiness Committee (disbanded)	Ad hoc member Cincinnati Children's Hospital Medical Center
2001-2002	Cardiac Pathway Pain Management Guideline	Cincinnati Children's Hospital Medical Center
2003	Morphine Task Force	Cincinnati Children's Hospital Medical Center
2003- present	Clinical Steering Committee	Department of Anesthesiology Cincinnati Children's Hospital Medical Center
2005	Neuroscience and Behavioral Medicine	Cincinnati Children's Hospital Medical Center
	CHCA 100K Lives campaign, Opioid ADE reduction effort	Cincinnati Children's Hospital Medical Center
2005- present	Anesthesia Directors	Department of Anesthesia Cincinnati Children's Hospital Medical Center
2019- present	Chair, Pain Steering Committee	Cincinnati Children's Hospital Medical Center
2019 -		
Regional		
2005-2009	National Children's Pain Center: Scientific Advisory Board	
2005-	American Pain Society, SIG for Pain in	Program Committee
present	Infants, Children and Adolescents, APS Pediatric Pain Forum	
2006-2013	American Academy of Pediatrics: Section on Anesthesiology and Pain Medicine	Executive Committee
2007-2009	American Pain Society: Clinical Centers of	Program Committee
2009-2011	Excellence in Pain Management Awards American Pain Society: Chair, Steering Committee on Interdisciplinary Care	
2011-2013	Education American Pain Society: Education	
2011-~2017	Advisory Committee Pediatric Pain Research Network (PRN-PAIN)	Founding member
2013-	Dystrophic Epidermolysis Bullosa	
present	Association (DEBRA-USA): Scientific Advisory Board	
2018 –	Pediatric Pain Medicine Training Workgroup	Founding member

present	
present	

2021 -	USASP Project Collaborations Committee	Founding Member
2024 -	USASP Project Collaborations Committee	Chair

Professional Societies:

1991- Present	American Academy of Pe	ediatrics	Member	
1994- present	American Society of Ane	sthesiologists	Member	
1997-200	American Medical Associ	iation	Member	
1997- present	American Society of Regi	ional Anesthesia	Member	
1998- Present	Society of Pediatric Anes	thesia	Member	
1999- present	Ohio Society of Anesthes	iologists	Member	
1999- present	International Association of Pain	for the Study	Member	
2002-201	9 American Pain Society (d	lefunct, 2019)	Member	
2020 - United States Association for the Study				
	of Pain		Member	
Awards:				
2020	"Top Doctor"	Cincinnati Magaz	zine	Pain Management
2016	"Top Doctor"	Cincinnati Magaz	zine	Pain Management
2014	"Top Doctor"	Cincinnati Magaz	zine	Pain Management
2011	"25 Great Physicians in Ohio"	Becker's ASC Re	eview	Pain Management
2011	"70 of the Best Pain Management Physicians in	Becker's Orthope Spine Review"	edic and	Pain Management

2002 "Teacher of the Year" Presented by the residents and fellows, Department of

Anesthesia

University of Cincinnati

Presented by American Pain

Society to the Division of

Pain Management

Pain Management

Clinical Activities and Innovations

America"

Excellence"

2007

"Clinical Center of

Current Licensure and Certification:

1994, 2001- 2009	American Board of Pediatrics
1997-1998	Pennsylvania Medical License (MD-062499)
1998	American Board of Anesthesiology (ABA)
1999-	Ohio Medical License (35.076447)
2021 -	Kentucky Medical License (54973)
2021 -	Indiana Medical License (01085083A)
2000, 2010	ABA Pain Management
2014-2024	ABA Pediatric Anesthesia

Clinical Activities

Outpatient Chronic Pain Program

2015-present	Pancreas Care Center Cincinnati Children's Hospital Medical Center	Evaluate and treat patients with pancreatic disorders, specifically those with pancreatitis, Include Total Pancreatectomy and Islet
2003-present	Epidermolysis Bullosa Clinic Cincinnati Children's Hospital Medical Center	Provide consultation and pain care for selected patients with EB. Ad hoc director for vacation coverage
2003-2009	Hemangioma and Vascular Malformation Clinic Cincinnati Children's Hospital Medical Center	Provide consultation and pain care for selected patients with vascular malformations
1999-present	Chronic Pain Clinic Cincinnati Children's Hospital Medical Center	Founder. Diagnose and treat a variety of pain problems in children and young adults and coordinate physical therapy, behavioral medicine and adjunct therapies. Provide invasive therapy when indicated.

Inpatient Chronic Pain Program

2010-present	Medical Pain Service Cincinnati Children's Hospital Medical Center	Founder. Care for inpatient patients with medical sources of pain.
2015-present	Inpatient Chronic Pain Rehabilitation Program (FIRST) Cincinnati Children's Hospital Medical Center	Joint program with PM+R and Psychology to provide intensive inpatient rehabilitation for patients with pain conditions refractory to outpatient management.

2007-2010 Pediatric Palliative and Comfort Care Co-founded. Provide comfort care for children with life-limiting illnesses. Cincinnati Children's Hospital Medical Center 2005-2009 Procedural Pain Service Director and clinician. Provide anesthetic Cincinnati Children's Hospital Medical and analgesic care for patients undergoing brief painful procedures, radiation Center treatments and whirlpool-based debridement. 1999-2010 Acute Pain Service Director and clinician. Provide multiple modalities of analgesia for both surgical Cincinnati Children's Hospital Medical (post-operative) and medical (e.g. cancer, Center sickle cell disease, cystic fibrosis) pain and

Operative Anesthesia

1999-2023 Pediatrics and Clinical Anesthesia

(Except 2009 – Full-time Pain/Palliative

Care Practice)

Cincinnati Children's Hospital Medical

Center

Provide general and regional anesthesia and sedation for a variety of operative and diagnostic procedures.

provide 24 hr/day "on call" support.

Report of Funded and Unfunded Projects

Past

2009-2013 Enhancing PROMIS in Pediatric Pain, Rheumatology, and Rehabilitation Research NIH/NIAMS U01AR057940

Co-Investigator (PI: Morgan-Dewitt)

The primary objective is to evaluate the validity and responsiveness of the PROMIS pediatric item banks with longitudinal assessments in children with juvenile idiopathic arthritis, cerebral palsy, and chronic musculoskeletal pain. Another objective is to develop new PROMIS pediatric pain items and banks in the areas of pain intensity, pain quality, and pain behavior. Content validity for new items will be established through key informant interviews with patients with chronic and recurrent painful conditions, and construct validity will be assessed by correlation with legacy scales, and validated measures currently administered in clinical research studies.

Current

Brain Mechanisms Supporting Individual Difference in Pain 2018-2020

NIH 5R01NS085391-05

\$

Multidisciplinary collaborative study to pursue the following aims: What supraspinal mechanisms contribute to individual differences in pain sensitivity? Do demographic variables influence individual patterns of pain-related brain activation and pain sensitivity? This is a 2-year study in whichS fMRI imaging, quantitative sensory testing, and psychological evaluation will combine to examine structural, functional and psychological factors involved in producing individual variations in the report of pain.

2016-2020 NIH/NAIMS U01AR070474-01

(\$1,621,318 - per the Other Support instructions, the dollar amount listed is the direct costs for year 1 only.)

Multi-site Randomized Clinical Trial of FIT Teens for Juvenile Fibromyalgia This multi-site randomized trial will test whether a new intervention combining cognitive-behavioral strategies with neuromuscular exercise (Fibromyalgia Integrative Training for Teens - FIT Teens) leads to reductions in disability and pain in adolescents with juvenile fibromyalgia. The study is a 3-arm trial comparing FIT Teens with cognitive-behavioral therapy (CBT) alone and graded aerobic exercise (GAE) alone.

Report of Local Teaching and Training

Formal Teaching of Students in Courses

4/2007- 2009	Principles of Pain Management, part of Brain and Behavior and Behavior 1st year medical students	University of Cincinnati, College of Medicine
4/2007- 2008	Pain Medications: Basic How and Whys, part of Brain and Behavior 1st year medical students	University of Cincinnati, College of Medicine
11/2003	Introduction to the Normal Physical Exam I: General Principles and Vital Signs 1st year medical students	University of Cincinnati, College of Medicine

Formal Teaching of Residents, Clinical Fellows and Research Fellows

2003-2008	Pediatric Pain Fellows	University of Cincinnati
		Ohio State University
2003-2008	Anesthesia Fellows	Columbus
		Kosair Children's Hospital

2015	Pediatric Pain Management Fellowship in conjunction with Adult Pain Management	Division of Pain Management Cincinnati Children's Hospital Medical
	Fellowship	Center
		Department of Anesthesia
		University of Cincinnati
	Pediatric Anesthesia Fellow	Department of Anesthesia
		Cincinnati Children's Hospital Medical
		Center
	Fourth Year Medical Students (ad hoc rotation)	University of Cincinnati
	Pediatric Residents (ad hoc rotation)	Cincinnati Children's Hospital Medical
		Center

Formal Teaching Anesthesia Fellows and Residents

2008-2017	Anesthesia Fellow Core Lecture Cincinnati Children's Hospital Medical Center Cincinnati, Oh	Communicating adverse events to parents
2008-2017	Anesthesia Fellow Core Lecture Cincinnati Children's Hospital Medical Center Cincinnati, Oh	Ethics and Pediatric Anesthesia
8/2007	Anesthesia Fellow Core Lecture Cincinnati Children's Hospital Medical Center Cincinnati, Oh	Post-Op Pain
2/2004	Anesthesia Fellow Core Lecture Cincinnati Children's Hospital Medical Center Cincinnati, Oh	Anesthesia for the Ex-preemie
8/2003	Anesthesia Fellow Core Lecture Cincinnati Children's Hospital Medical Center Cincinnati, Oh	Thermoregulation and Fluids and Electrolytes
1/2003	Anesthesia Fellow Core Lecture Cincinnati Children's Hospital Medical Center Cincinnati, Oh	Pediatric Chronic Pain
5/2002	Anesthesia Fellow Core Lecture Cincinnati Children's Hospital Medical Center Cincinnati, Oh	CRPS, Type I
8/200	Anesthesia Fellow Core Lecture Cincinnati Children's Hospital Medical Center Cincinnati, Oh	Thermoregulation

3/2000	Anesthesia Fellow Core Lecture	Pediatric Regional Anesthesia
	Cincinnati Children's Hospital Medical Center	

Formal Teaching Pain Medicine Fellows

Cincinnati, Oh

2013- present	Pain Medicine Fellow Didactic Lecture Cincinnati Children's Hospital Medical Center Cincinnati, OH	Multiple topics presented throughout the year centered on physiology, pharmacology, evaluation and treatment of pain in children (and adults) with a focus on preparing the fellow for the ABA written Pain Board exam.
4/2005	Anesthesia Pain Fellow Lectures University of Cincinnati, College of Medicine Cincinnati, OH	Assessment and Management of Low Back Pain
610/2004	Anesthesia Pain Fellow Lectures University of Cincinnati, College of Medicine Cincinnati, OH	Research Lecture Series: Consent and Assent
2/2004	Anesthesia Pain Fellow Lectures University of Cincinnati, College of Medicine Cincinnati, OH	Amputation and Phantom Limb Pain
6/2003	Anesthesia Pain Fellow Lectures University of Cincinnati, College of Medicine Cincinnati, OH	Complex Regional Pain Syndrome

Formal Teaching Pediatric Resident

2011- present	Pediatric Resident Pain Lecture Series Cincinnati Children's Hospital Medical Center Cincinnati, OH	~4 topics per year on acute and chronic pain topics based on pre/post-testing (which I designed and administered) of residents to assess their needs and perceived areas of weakness
4/2002	Anesthesia Resident Core Lectures University of Cincinnati, College of Medicine Cincinnati, OH	Local Anesthetics
2/2002	Anesthesia Pain Fellow Lectures University of Cincinnati, College of Medicine Cincinnati, OH	Journal Club
1/31/2002	Anesthesia Pain Fellow Lectures University of Cincinnati, College of Medicine Cincinnati, OH	Discussions in Anesthesia (End of Life)

Other Mentored Trainees and Faculty

2004- Alexandra Szabova, MD / Associate Professor, Department of Anesthesia/Division of Pain Management, Cincinnati Children's Hospital Medical Center

Career stages: fellow to mid-career. Mentoring role: Fellow and faculty mentor

2011 – present Lynne Sterni, MD / Staff Physician san Diego Naval Base hospital

Career stages: fellow to early career. Mentoring role: resident mentor and indirect faculty

mentor

2016 – present Eapen Mathew, MD / Assistant Professor, Connecticut Children's Hospital Career stages: fellow to early career. Mentoring role: fellow mentor

2017 – present Cheryl Hartzell (nee Maenpaa), MD / Assistant Professor, Cincinnati Children's Hospital Career stages: fellow to early career. Mentoring role: fellow and faculty mentor

Michele Hendrickson, MD / Assistant Professor, Children's Hospital of New Orleans Career stages: fellow to early career. Mentoring role: fellow and indirect mentor

2018- present Ardin Berger, MD / Assistant Professor, Lucille Packard Children's Hospital

Career stages: fellow to early career. Mentoring role: fellow mentor and indirect faculty

mentor

Andy Collins, MD / Assistant Professor, Department of Anesthesia/Division of Pain

Management, Cincinnati Children's Hospital Medical Center

Career stages: fellow to early career. Mentoring role: Fellow and faculty mentor

2019-present Henry Huang, MD / Assistant Professor, Texas Children's Hospital, Cincinnati Children's

Hospital Medical Center. Career stage: fellow. Mentoring role: fellow mentor and indirect

faculty mentor

Chaitanaya Konda, MD Pain Fellow, Department of Anesthesia/Division of Pain Management, Cincinnati Children's Hospital Medical Center. Career stage: fellow.

Mentoring role: fellow mentor

2020- present Motaz I Awad, MD Assistant Professor, Kentucky Children's Hospital. Mentoring role:

fellow mentor

Soroush Merchant, MD Assistant Professor, Mercy Children's Hospital Kansas City, MO.

Mentoring role: Fellow and indirect faculty mentor

2021 - present Armand Morel, MD Fellow, CCHMC Mentoring role: Fellow mentor

Desimir Mijatovic, MC Fellow CCHMC. Mentoring role: Fellow Mentor

2022- present Hannah Master, MD / ASSISTANT Professor. Department of Anesthesia/Division of Pain

Management, Cincinnati Children's Hospital Medical Center. Career stages: fellow to early

career. Mentoring role: Fellow and faculty mentor

Local Invited Presentations

9/30/2024 Naltrexone: The High and Lows. Presented at the Advanced Pharmacology Series for Prescribers. Cincinnati Children's Hospital. Cincinnati, Ohio. 3/2019 My Pain is an Ogre...Pain in IBD **IBS Family Education Day** Mason, OH 2/2019 My Stomach Hurts again...and again National Pancreas Foundation & Pancreas care Center Patient and Family Education Day. Cincinnati Children's Hospital Medical Center Cincinnati, OH 9/2018 Pain Management in the Medically Complex Child Presented as part of Medically Complex Training Program University of Kentucky Training Resource Center & Kentucky Cabinet for Health and Family Services Department for Community Based Services Lexington, KY 5/2015 Abdominal Pain in IBD/EE, Presented to the parents at Camp Courageous (EE Camp) Camp Joy Clarksville, OH 5/20014 Pain Management in Ehlers-Danlos Syndrome" Hypermobility & Ehlers-Danlos Syndrome: Under-Recognized, But Not Rare - An **Educational Conference** Cincinnati, Ohio 12/2013 Complex Regional Pain Syndrome: Complex yes, regional maybe (Resident lecture series) Department of Neurology Cincinnati Children's Hospital Medical Center Cincinnati, OH 12/2013 Complex Regional Pain Syndrome: Complex yes, regional maybe (Fellow lecture series) Department of Physical Medicine and Rehabilitation Cincinnati Children's Hospital Medical Center Cincinnati, OH Summer Abdominal Pain in IBD/EE 2013 Presented to the parents at Camp Courageous (EE Camp) Camp Joy Clarksville, OH Explaining the Unexplainable (Residency Noon Lecture) 5/2013 Department of Pediatrics Cincinnati Children's Hospital Medical Center Cincinnati, OH 5/2013 Pain Management: NSAIDs and Opioids (Residency Noon Lecture) Department of Pediatrics

Cincinnati Children's Hospital Medical Center Cincinnati, OH 4/2013 My Stomach Hurts (Grand Rounds) Department of Gastroenterology Cincinnati Children's Hospital Medical Center Cincinnati, OH 2/2013 My stomach hurts... (Residency Noon Lecture) Department of Pediatrics Cincinnati Children's Hospital Medical Center Cincinnati, OH 11/2012 Chronic Pain/Pain Management Guidelines – the Role of Opioids **APN Schedule II Education** Cincinnati Children's Hospital Medical Center Cincinnati, OH 8/2012 Pain Management in Ehlers-Danlos Syndrome Ehlers-Danlos Syndrome Professional Conferences: Primary Care Providers Conference Cincinnati Children's Hospital Medical Center Cincinnati, OH 10/2011 Interdisciplinary Pain Rehabilitation Programs (Grand Rounds) Presented along with Tinkle B, Ernst M, Slater S, Pruitt D and Ting T Department of Physical Medicine and Rehabilitation University of Cincinnati, College of Medicine Cincinnati, OH 9/2011 Interdisciplinary Pain Rehabilitation Programs (Grand Rounds) Presented along with Tinkle B, Ernst M, Slater S, Pruitt D and Ting T **Nursing Grand Rounds** Cincinnati Children's Hospital Medical Center Cincinnati, OH 9/2011 Interdisciplinary Pain Rehabilitation Programs (Grand Rounds) Presented along with Tinkle B, Ernst M, Slater S, Pruitt D and Ting T Pediatric Grand Rounds Cincinnati Children's Hospital Medical Center Cincinnati, OH 10/2010 The Comfort-Friendly Office Cincinnati Pediatric Update – 2010 Cincinnati, Ohio 9/2009 Quality Pain Care. **Interdisciplinary Grand Rounds** Cincinnati Children's Hospital Medical Center

Cincinnati, OH

2/2009 Pediatric CRPS

Department of Psychology – Residents

Cincinnati Children's Hospital Medical Center

Cincinnati, OH

2/2009 Pain in IBD: Like an Ogre, It's an Onion

Presented to Family IBD Education Day

Sponsored by the Crohn's and Colitis Foundation of America

Cincinnati Ohio

9/2007 Pain Management in Primary Care (Grand Rounds)

Department of Pediatrics

Cincinnati Children's Hospital Medical Center

Cincinnati, OH

8/2207 Post-operative Pain: A Team Approach (Grand Rounds)

Department of Surgery

Cincinnati Children's Hospital Medical Center

Cincinnati, OH

5/2007 Interdisciplinary Teamwork and Outcomes (Panel Discussion)

Part of Navigating Educational Waters: Health Professionals Working Together to Bridge

Education and Outcomes

Northern Kentucky Convention Center

Covington, KY

4/2006 Pain at the End of Life: Bridging the Gap Between Knowledge and Practice (invited

panelist for discussion)

Hospice Foundation of America's 13th Annual Teleconference

Cincinnati, OH

12/2005 PACU Pain (Grand Rounds)

Co-presented Department of Anesthesia

Cincinnati Children's Hospital Medical Center

Cincinnati. OH

11/2005 Evaluation and Treatment of Pediatric Pain (Resident lecture)

Behavioral Medicine and Clinic Psychology - O'Grady Residency

Cincinnati Children's Hospital Medical Center

Cincinnati, OH

1/2005 When Feeling the Burn Isn't Good: Pain in Pediatric PM+R Patients

Department of Physical Medicine and Rehabilitation

University of Cincinnati, College of Medicine

Cincinnati, OH

9/2004 Acute Pain Management in Children (Grand Rounds)

Department of Surgery

Cincinnati Children's Hospital Medical Center

Cincinnati, OH

4/2004 Chronic Pain/Reflex Sympathetic Dystrophy Sports Medicine Symposium Cincinnati Children's Hospital Medical Center Cincinnati, OH 4/2003 Pain Management" Presented (Grand Rounds) Department of Pediatrics Cincinnati Children's Hospital Medical Center Cincinnati, OH 3/2003 On Beyond Mu: Alternatives in Pain Management Ohio Society of Dental Anesthesiology 3/2003 From Bleeding Gums to Intrathecal Catheters: Cancer in Children Ohio Society of Dental Anesthesiology 2/2003 Complex Regional Pain Syndrome Division of Physical and Occupational Therapy Cincinnati Children's Hospital Medical Center Cincinnati, OH 10/2002 Pain Management in Children Ohio Valley Dental Study Club meeting Cincinnati, OH 9/2002 Post-Op Analgesia in Children and Pediatric Epidural Analgesia **OSANA** Columbus, OH. Neonatal Pain Management 6/2002 Kentucky Perinatology Association Lake Cumberland, Kentucky. 10/2001 Pain Management Dental Division staff meeting Cincinnati Children's Hospital Medical Center Cincinnati, OH 5/2001 Pain Management in OI (workshop) Osteogenesis Imperfecta Ohio Support Group 4/2001 JCAHO Pain Standards: Making the Process Less Painful (Grand Rounds) Department of Pediatrics Cincinnati Children's Hospital Medical Center Cincinnati, OH 7/2000 Neonatal Pain Management (Grand Rounds) Division of Neonatology Cincinnati Children's Hospital Medical Center Cincinnati, OH 5/2000 Complementary Methods of Pain Management Presented at Practical Approaches to Current Pediatric Issues

Sheraton Four Points Hotel

Cincinnati, OH.

4/2000 The Fork in the Road: Choosing Palliative Care for

Nursing Grand Rounds

Cincinnati Children's Hospital Medical Center

Cincinnati, OH

4/2000 The Fork in the Road: Choosing Palliative Care for Children (Grand Rounds)

Department of Pediatrics

Cincinnati Children's Hospital Medical Center

Cincinnati, OH

1/2000 Pediatric Pain Issues

Department of Pediatrics Morbidity and Mortality Conference

Cincinnati Children's Hospital Medical Center

Cincinnati, OH

1/2000 Cancer Pain in Children (Grand Rounds)

Department of Anesthesia

University of Cincinnati, College of Medicine

Cincinnati, OH

Regional, National and International Invited Teaching and Presentations

Regional

5/23/2024 It Takes a Lotta Nerve: The Clinician's Predicament. 3rd Annual Cincy Neuroscience

Retreat, 23-24, 2024 at General Butler State Park, KY.

3/9/2024 Pain Management in the Medically Complex Child. Presented as part of the Medically

> Complex Training Program for foster parents, administered by the University of Kentucky Training Resource Center and the Kentucky Cabinet for Health and Family Services

Department for Community Based Services. Online lecture.

10/17/2021 All Aboard! Explaining the Unexplainable (The Art of Educating Families about Chronic

Pain). Presented at Interdisciplinary Pain Management: Foundational Tools for the

Clinician. Cincinnati, Ohio

3/2019 Phantom Limb Pain: Out of Sight, not out of Mind

Society for Pediatric Pain Management

Houston, TX

12/2013 Pain Management in Ehlers-Danlos Syndrome (online forum)

Requested by EDSawareness.com (aka.ChronicPainPartners.com)

National

4/10/2024	Abdominal Pain: Assessment, Conceptualization and Treatment Among Patients Presenting for Pain Treatment. Society for Pediatric Pain Medicine, Anaheim, CA. Worshop.
4/21/2022	My Stomach Hurtsagain and again. April Virtual Education: Chronic Pancreatitis in Children. Webinar panel presentation. National Pancreas Foundation.
3/30-31/2022	 Moderator: Brain-Gut Connection: Society for Pediatric Pain Medicine A Day in the Life of a Chronic Pain Patient in an Intensive Interdisciplinary Pain Treatment Program (In-Person Only). Workshop. Google says I have MALS and Need a Celiac Plexus Block! To Block or NotThere is More Than That Question. PBLD
4/ 2021	Goldschneider KR, Zoffness, R, Williams S & Louw, A. Explaining the Unexplainable: the Art of Educating Families about Chronic Pain. Workshop presented at the Society for Pediatric Pain Medicine national meeting (virtual) April, 2021.
9/2019	Pain Management: You can Win for Losing (visiting professor) Department of Anesthesia Grand Rounds Iowa Children's Hospital
3/2019	Phantom Limb Pain: Out of Sight, not out of Mind (Plenary lecture) Society for Pediatric Pain Medicine Houston, TX
3/2018	Pediatric pain and the multi-specialty clinic, an opportunity to expand the perioperative surgical home for pediatric patients. PBLD Society for Pediatric Pain management Phoenix, AZ
9/2014	Integrated Management of Non-Inflammatory Musculoskeletal Pain In Children American College of Rheumatology annual meeting Boston, MA
9/2014	Pain Management in Hypermobility Syndromes (visiting professor) Department of Anesthesiology SUNY Stony brook University Hospital Stony Brook, NY
3/2013	Cancer Pain: Complete Care (Panel discussion) Presented along with Tonya Palermo and Yuan-Chi Lin Pediatric Pain Day of the Society for Pediatric Anesthesia annual meeting Las Vegas, NV
10/2012	Explaining the Unexplainable: Chronic Pain in Adolescents American Academy of Pediatric National Convention and Exhibition New Orleans, LA
2/2012	Case Based Discussion on managing complex acute pain consults (sub-meeting) Presented with Thomas Vetter at the Special Interest Group in Pain Medicine Society of Pediatric Anesthesia annual meeting Tampa, FL

Interdisciplinary Pain Care: Or, why 'Take 2 Aspirin and Call me in the morning' doesn't 1/2012 work (visiting professor) Presented at Grand Rounds to the Department of Pediatrics American Family Children's Hospital Madison, WI 12/2011 Complex Regional Pain Syndrome: Complex yes, regional maybe and Pediatric Chronic Pain: Why 'Take 2 Aspirin and Call me in the morning' doesn't work Presented at Grand Rounds to the University of Pittsburgh Department of Anesthesiology and Critical Care Medicine and to the Department of Anesthesiology Children's Hospital of Pittsburgh (visiting professor) Pittsburgh, PA 5/2011 The Case of the Demise of Interdisciplinary Pain Management – Who Done it, Why'd They Do It, and What Can Be Done to Prevent it from Happening to Others? (workshop) Presented along with Turk, D, Chelimsky, T Jeffrey Livovich J, Stanos S, Green P Tauben American Pain Society Annual Meeting Austin TX 5/2011 Continuous Performance Improvement and Changing the Culture of Pain Management in Two Pediatric Hospitals (symposium) Presented along with Lisa M Peters, LM, Jeffrey R Avansino, JR; and Meyer, MJ. American Pain Society Annual Meeting Austin TX 3/2011 Case Based Discussion on managing complex acute pain consults (sub-meeting) Presented with Thomas Vetter at the Special Interest Group in Pain Medicine Society of Pediatric Anesthesia annual meeting San Diego, CA 6/2010 Pain Management in Epidermolysis Bullosa DEBRA 2010 Patient Care Conference Cincinnati, Ohio 4/2010 Baby Epidurals: Technical Aspects (updated); part of the workshop Management of Epidurals in Children Society for Pediatric Anesthesia annual meeting San Antonio, TX 10/2009 Quality Pain Care: Do We Know it When We See It? (visiting professor) Presented as part of the Blaustein Lecture Series Johns Hopkins University Hospital Baltimore, Maryland 5/2009 Quality Improvement in Pediatric Pain Presented to the Special Interest Group for Pain in Infants, Children and Adolescents American Pain Society San Diego, CA

3/2009	A 12 Year-Old with Recessive Dystrophic Epidermolysis Bullosa (EB) Presents for Dental Rehabilitation and Dilation of Esophageal Strictures (PBLD) Society for Pediatric Anesthesia Jacksonville, FL
3/2009	Baby Epidurals: Technical Aspects (updated), part of the workshop Management of Epidurals in Children Society for Pediatric Anesthesia annual meeting Jacksonville, FL
6/2008	Pharmacologic Approaches to Pain in EB National DEBRA meeting Denver, CO
6/2008	Cognitive, Behavioral and Non-medication Treatments National DEBRA meeting Denver, CO
4/2008	Baby Epidurals: Technical Aspects (updated), part of the workshop Management of Epidurals in Children Society for Pediatric Anesthesia annual meeting San Diego, CA
10/2007	Pediatric Epidurals, as part of workshop on Pediatric Central and Peripheral Nerve Blocks American Society of Anesthesiology San Francisco, CA
9/2007	Pain Management in Primary Care (visiting professor) Kosair Children's Hospital Louisville, KY
5/2007	Pediatric Pain: from Bench to Chair, as part of the Clinical and Contemporary Issues workshop American Academy of Pediatric Dentistry annual meeting
3/2007	14 year old Honor Student, Star Athlete and First-Chair Violinist with a 24/7 Headache (PBLD) Society for Pediatric Anesthesia annual meeting Phoenix, AZ
3/2007	Baby Epidurals: Technical Aspects (updated), part of the workshop Management of Epidurals in Children Society for Pediatric Anesthesia annual meeting Phoenix, AZ
9/2006	2006 AAPM/Pfizer Visiting Professor in Pain Medicine Children's Healthcare of Atlanta, Emory University Atlanta, GA

2/2006 Baby Epidurals: Technical Aspects (updated), part of the workshop Management of Epidurals in Children Society for Pediatric Anesthesia annual meeting Fort Myers, FL 3/2005 Pediatric IMMPACT: consensus group meeting Washington, D.C 3/2005 Epidural Medications: New Solutions" American Pain Society 24th Annual Scientific Meeting Boston, MA 2/2005 Baby Epidurals: Technical Aspects (updated), part of the workshop Management of Epidurals in Children Society for Pediatric Anesthesia annual meeting Miami Beach, FL 2/2004 Baby Epidurals: Technical Aspects (updated), part of the workshop Management of Epidurals in Children Society for Pediatric Anesthesia annual meeting Phoenix, AZ 9/1998 Long-term consequences of pain in infancy Department of Anesthesiology Grand Rounds Children's Hospital of Philadelphia Pittsburgh, PA 9/1998 Long-term consequences of pain in infancy Department of Anesthesia Grand Rounds The Children's Hospital Boston, MA 3/1998 Behavioral aspects of recovery from anesthesia in a pediatric post anesthesia care unit IARS 72nd Clinical and Scientific Congress Orlando, FL 10/1993 Pain Control: Presented to the Department of Pediatrics Grand Rounds **Duke University Medical Center** Durham, NC 11/1988 Cyclic Neutropenia: A case of asymptomatic appendicitis Association of Clinical Scientists 88th Meeting Hartford, CT 10/1988 Diagnostic pitfalls in the diagnosis of soft tissue bladder tumors in pediatric patients New England Pediatric Pathology Club Dartmouth University School of Medicine Hanover, NH

International

10/28/2024	Faculty, PICH2GO Cincinnati. (PICH: Pain in Child Health). General faculty and moderator of breakout group discussions.
2/2/2023	"Egad, that's a Fad, Dad!" Stad Center for Pediatric Pain, Palliative and Integrative Medicine: Global Lecture Series.
11/5/2022	Society of Pediatric Pain Medicine Inaugural Global Virtual Conference. Moderator, Session II.
3/27/2022	Through the Eyes of a Child: An Immersive Experience into Intensive Interdisciplinary Pain Treatment Programs; Workshop presented to International Symposium on Pediatric Pain Virtual meeting.
10/25/2021	Treating Pain and Itch in EB: Online presentation on behalf of DEBRA International. Part of a series for EB Awareness Week 2021. Presented on Youtube and Facebook.
10/16/2021	Pain in EB: A Brief Update: DEBRA International World Congress, Moscow, Russia. Virtual presentation
2/27/2020	Bent to the Breaking Point: Pain Management and Ehlers-Danlos Syndrome Workshop, Society for Pediatric Pain Medicine Paradise Island, Bahamas
9/2018	Get Moving, Get Better: Rehabilitation Programs for CRPS/Pain in Children Presented at the joint Satellite meeting for APS and CRPS SIGs The IASP World Congress Boston, MA
9/2018	The Hidden Economic World of Chronic Pain in Children Presented at the Satellite meeting for the CRPS SIG The IASP World Congress Boston, MA
9/2015	Update of Pain Care Guidelines for EB DEBRA International Congress London, England.
9/2015	An exploration of the experience of pain from the perspective of the child with cancer receiving Hematopoietic Stem Cell Transplantation (HSCT) their family and health professionals involved in their care (moderator for this online presentation by Karin Plummer (PhD candidate), for her fellowship presentation for the Pain in Child Health (PICH) fellowship Halifax, Nova Scotia, Canada

6/2013	Interventional Treatments for Children with Chronic Pain (workshop) Presented by Danielle Ruskin, Lisa Isaac, Anne Ayling Campos, Kenneth Goldschneider The 9th International Symposium on Pediatric Pain Stockholm, Sweden
9/2012	Pain Management in EB: Pharmacology Update DEBRA International Congress Toronto, Ontario Canada
10/2011	Pain Care Guidelines for Epidermolysis Bullosa DEBRA International Congress Groningen, Holland
10/2011	Complex Regional Pain Syndrome: Complex yes, regional maybe International Pediatric Pain Forum, White Points Beach, Halifax, Nova Scotia
11/2010	Manejo de Dolor en EB: Preguntas, no Solución (Pain Management in EB: Questions, no answer) DEBRA International Congress Santiago, Chile
3/2010	Balanced Score card for Pain Quality Improvement, (as part of the workshop Strategies for Pediatric Pain Quality Improvement: Research, Clinical and Administrative Perspectives) International Symposium on Pediatric Pain, Acapulco, Mexico
12/2008	Approaches to Pain in Epidermolysis Bullosa The Vth International Symposium on Epidermolysis Bullosa Santiago, Chile
12/2008	Peri-Operative management for Epidermolysis Bullosa The Vth International Symposium on Epidermolysis Bullosa Santiago, Chile
6/2006	The Pediatric Oncology Patient: from Start to Finish (Chair for workshop) The 2006 ISPP Vancouver, BC, Canada
6/2004	Medicina Alternativa y complimentaria en dolor pediatría" Peruvian Association for the Study of Pain (ASPED) Lima, Peru
6/2004	Dolor Crónico Parts 1 & 2 Peruvian Association for the Study of Pain (ASPED) Lima, Peru
5/2004	Pediatric Chronic Pain Treatment: Effect on Clinical Outcome and Resource Utilization Presented with Susmita Kashikar-Zuck The 2 nd American Pain Society/Canadian Pain Society Meeting

Vancouver, Canada

6/2002 Pediatric Epidural Analgesia"

Peruvian Association for the Study of Pain (ASPED)

Lima, Peru

6/2002 Cancer Pain in Children"

Peruvian Association for the Study of Pain (ASPED)

Lima, Peru

6/2002 Use of Opioids in Children"

Peruvian Association for the Study of Pain (ASPED)

Lima, Peru

6/2002 Postoperative Analgesia in Children

Peruvian Association for the Study of Pain (ASPED)

Lima, Peru

Publications

Peer-Reviewed Scholarship

- 1. Masters H, Taylor JM, Myer IV C, Hammill AM, Goldschneider KR. Sphenopalatine ganglion blockade in the treatment of intractable neuralgiform headache caused by complex venolymphatic malformation (In preparation)
- 2. Kashikar-Zuck S, Williams SE, Ittenbach RF, Peugh J, Thomas S, Lynch-Jordan PAM, Pfeiffer M, Ting TV, Connelly M, Zempsky W, Williams AE, Ardoin SP,. Logan DE, Wakefield EO, Goldstein-Leever PA, **Goldschneider K**, Nelson A, Stinson JN, Myer GD, for the FIT Teens Clinical Trial Study Group and the Childhood Arthritis and Rheumatology Research Alliance (CARRA) Pain Workgroup Investigators. Multi-center randomized controlled trial of cognitive-behavioral and exercise-based therapies for adolescents with fibromyalgia (the FIT Teens trial). (In preparation)
- 3. Gibler, RC, King C, Collins, A, **Goldschneider K**, Hartzell C, Szabova A, Kashikar-Zuck S & Lynch-Jordan AM. Retrospective categorization of ICD-10 to ICD-11 diagnostic codes among treatment-seeking youth with chronic pain: Implications for research and treatment. (In preparation).
- 4. Hoeppli M-E, Nahman-Averbuch H, Hinkle WA, Leon E, Peugh J, Lopez-Sola M, King CD, Goldschneider KR, Coghill, RC. "Reply to Interindividual differences in pain can be explained by fMRI, sociodemographic, and psychological factors" Nature Communications 2024 Sep 10;15(1):7884. doi: 10.1038/s41467-024-51911-8. PMID: 39256345.
- Theriault CB, Tracy Burns T, Goldschneider K, Koka A, Logan D, Weisman SJ Wilder RT, Windsor RB & Zempsky W. Pediatric Pain Physician Workforce: An Assessment of Supply and Demand. Frontiers in Pain Research 2024 Oct 15;5:1390736. doi: 10.3389/fpain.2024.1390736. PMID: 39474514

- 6. Adamszyk, W, Ramu V, Jackson C, Schulze G, **Goldschneider KR**, Kashikar-Zuck S, King CD, Coghill RC. Radiation of pain: Psychophysical evidence for a population coding mechanism. Pain 2024 (In Press).
- 7. Karthic A, ... "Logistical Considerations for Virtual Parental Presence on Induction of Anesthesia: A Randomized Clinical Trial" Peds Anesth (in revision). -- Placeholder entry.
- 8. Hartzell CJ, Szabova A, Collins AB, Morel AN, Mijatovic D & Goldschneider KR. Efficacy of aprepitant for refractory pruritus in patients with epidermolysis bullosa and atopic dermatitis: a retrospective study. Pediatr Dermatol. 2024 Jul 25. doi: 10.1111/pde.15704. PMID: 39049669.
- 9. Feldman ECH, Homan KJ, Williams SE, Ting TV, **Goldschneider KR**, Kashikar-Zuck S. A narrative review of the literature on illness uncertainty in hypermobile ehlers-danlos syndrome: implications for research and clinical practice. Pediatr Rheumatol Online J. 2023 Oct 16;21(1):121. doi: 10.1186/s12969-023-00908-6. Review. PubMed PMID: 37845704.
- Bell NF, Spivak RA, Karthic A, Kanavitoon S, Geisler KJ, Fang Yang F, Ding, L, Caldeira-Kulbakas M, Goldschneider KR, Matava C & Olbrecht VA. Feasibility and Acceptability of Virtual Parental Presence on Induction of Anesthesia (VPPIA). Paediatr Anaesth. 2023 May;33(5):398-399. doi: 10.1111/pan.14651
- 11. Lynch-Jordan AM, Connelly M, Guite JW, King C, Goldstein-Leever A, Logan DE, Nelson S, Stinson JN, Ting TV, Wakefield EO, Williams AE, Williams SE, Kashikar-Zuck S; FIT Teens Clinical Trial Study Group and the Childhood Arthritis and Rheumatology Research Alliance (CARRA) Pain Workgroup Investigators; Ardoin S, Chamberlin L, Goldschneider K, Hoffart C, Ittenbach R, Lo M, Peugh J, Pfeiffer M, Taylor J, Zempsky W. Clinical Characterization of Juvenile Fibromyalgia in a Multi-Center Cohort of Adolescents Enrolled in the FIT Teens Trial. Arthritis Care Res (Hoboken). 2022 Dec 20. doi: 10.1002/acr.25077. PMID: 36537193 (subinvestigator role only)
- 12. Simons LE, Moayedi M, Coghill RC, Stinson JN, Angst MS, Aghaeepour N, Gaudillière B, King CD, Sola Lopez M, Hoeppli M, Biggs E, Ganio1 E, Williams SE, Goldschneider KR, Campbell F, Ruskin D, Krane EJ, Goulianu-Golianu B, Walker SM, Rush G & Heirich M. Signature for Pain Recovery IN Teens (SPRINT): Protocol for a multi-site prospective signature study in chronic musculoskeletal pain. BMJ Open. 2022 Jun 8;12(6):e061548. doi: 10.1136/bmjopen-2022-061548. PMID: 35676017
- 13. Mara CA, Carle AC, **Goldschneider KR**, Kashikar-Zuck S, Sherry DD, Dampier C & Morgan EM. Development and Evaluation of the PROMIS Pediatric Pain Quality Item Bank and Short Form. Pain . Pain . 2022 Jul 29. doi: 10.1097/j.pain.000000000002739. PMID: 35916736
- Hoeppli M-E, Nahman-Averbuch H, Hinkle WA, Leon E, Peugh J, Lopez-Sola M, King CD, Goldschneider KR, Coghill, RC. (2020), Dissociation between Individual Differences in Self-Reported Pain Intensity and Underlying Brain Activation. Nat Commun. 2022 Jun 22;13(1):3569. doi: 10.1038/s41467-022-31039-3. PMID 35732637
- 15. Williams SE, Tran ST, Lynch-Jordan A, **Goldschneider KR**, Ting TV, Kashikar-Zuck S, Neilson D. Healthcare utilization among youth with Ehlers-Danlos syndrome hypermobile type. Am J Med Genet A. 2022 Jan 6. doi: 10.1002/ajmg.a.62625. PMID: 34989147.

- 16. Freeman J, Maqbool A, Bellin MD, **Goldschneider KR**, Grover AS, Hartzell C, Piester TL, Szabo F, Dowd Kiernan B, Khalaf R, Kumar R, Rios M, Husain SZ, Morinville VD, Abu-El-Haija M. The medical management of chronic pancreatitis in children: A Position Paper by the NASPGHAN Pancreas Committee. J Pediatr Gastroenterol Nutr. 2021 Feb 1;72(2):324-340. doi: 10.1097/MPG.000000000000001. PMID: 33230082.
- 17. Mara, CA, Kashikar-Zuck S, Cunningham N, **Goldschneider KR** Huang B, Dampier C, Sherry DD, Crosby L, Farrell Miller J, Barnett K, & Morgan EM. Development and Psychometric Evaluation of the PROMIS® Pediatric Pain Intensity Measure in Children and Adolescents with Chronic Pain. J Pain. 2021 Jan;22(1):48-56. doi: 10.1016/j.jpain.2020.04.001. Epub 2020 Jun 21. PubMed PMID: 32580059.
- 18. **Berger, AS & Goldschneider, KR. The Role of Neuraxial Opioids in Pediatric Practice. Clin J Pain. 2019 Jun;35(6):497-500.
- 19. Kotagal M, Slusher J, Ahmad S, Aronson LA, Brunner J, Chima R, Deborah A. Elder DA, **Goldschneider KR**, Hornung L, Lin TK, Ogg SM, Palermo JJ, Rich K, Rose J, Sekoulopoulos S, Szabova A, Abu-El-Haija M & Nathan JD. In-hospital and 90-day outcomes after total pancreatectomy with islet autotransplantation for pediatric chronic and acute recurrent pancreatitis. Am J Transplant 2019;19:1187–1194.
- 20. Cunningham NR, Kashikar-Zuck S, Mara C, **Goldschneider KR**, Revicki DA, Dampier C, Sherry DD, Crosby L, Carle A, Cook KF, Morgan EM. Development and validation of the self-reported PROMIS pediatric pain behavior item bank and short form scale. Pain. 2017 Jul;158(7): 1323-1331.
- 21. Cunningham NR, Tran ST, Jagpal A, Kashikar-Zuck S, **Goldschneider KR** & Lynch-Jordan A. Anxiety Adversely Impacts Response to Cognitive Behavioral Therapy in Children with Chronic Pain. J Pediatr. 2016 Apr;171:227-33.
- 22. Kashikar-Zuck S, Carl A, Barnett K, **Goldschneider KR**, Sherry DD, Mara CA, Cunningham N, Farrell J, Tress J & Morgan DeWitt E. Longitudinal validation of Patient Reported Outcomes Measurement Information Systems (PROMIS) measures in pediatric chronic musculoskeletal pain Pain. 2016 Feb;157(2):339-47.
- 23. Jacobson Jr. CJ, Kashikar-Zuck S, Farrell J, Barnett K, **Goldschneider K**, Dampier C, Cunningham N, Crosby L & Morgan Dewitt E. Qualitative Evaluation of Pediatric Pain-Behavior, -Quality and -Intensity Item Candidates and the PROMIS Pain Domain Framework in Children with Chronic Pain J Pain. 2015 Dec;16(12):1243-55.
- 24. Tawfik KO, Myer IV CM, Shikary T & Goldschneider KR. The Catheter Hub Disinfection Cap as Esophageal Foreign Body, Laryngoscope 2015 Dec;125(12):2820-2.
- 25. **Mathew E, **Kim E & **Goldschneider K.** Pharmacological Treatment of Chronic Non-Cancer Pain in Pediatric Patients. Pediatric Drugs 2014 Dec;16(6):457-71.
- 26. **Goldschneider KR**, Lynch-Jordan AM, Liossi C, Martinez A, Good J, Harrop E, Maxwell LG & Stanko-Lopp, D. Pain Management in Epidermolysis Bullosa: Best Clinical Practice Guidelines. BMC Medicine 2014; 12:178.

- 27. Cunningham NR, Lynch-Jordan A, Barnett K, Peugh J, Sil S, **Goldschneider K** & Kashikar-Zuck S. Child pain catastrophizing mediates the relationship between parent responses to pain and disability in youth with functional abdominal pain. J Ped Gastro Nutrition 2014 Dec;59(6):732-8.
- 28. Lynch-Jordan AM, Sil S, Peugh J, Cunningham N, Kashikar-Zuck S & Goldschneider KR. Differential changes in functional disability and pain intensity over the course of psychological treatment for children with chronic pain. Pain 2014; 155 1955–1961.
- 29. Galinkin J, Koh JL; Committee on Drugs; Section On Anesthesiology and Pain Medicine; American Academy of Pediatrics (Frattarelli DA, Galinkin JL, Green TP, Johnson TD, Neville KA, Paul IM, Van Den Anker JN, Alexander JJ, Goldberg JD, Cragan JD, Rieder MJ, Robb AS, Sachs H, Zajicek A, Haro T, Del Monte M, Koteras RJ, Bannister CF, Tobias JD, Anderson CT, Goldschneider KR, Hardy CA, Houck C, Koh JL, Polaner DM, Galinkin JL, Singleton M, Riefe J.) Recognition and management of iatrogenically induced opioid dependence and withdrawal in children. Pediatrics. 2014 Jan;133(1):152-5.
- 30. Lynch-Jordan AM, Kashikar-Zuck S, Szabova A, Flowers S, & Goldschneider KR. The Interplay of Parent and Child Catastrophizing and its Impact on Children's Functioning. Clin J Pain. 2013 Aug; 29(8):681-8.
- 31. **Goldschneider KR.** Complex Regional Pain Syndrome in Children: Asking the Right Questions. Pain Res Manag. 2012 Nov-Dec;17(6):386-90.
- 32. Meyer MJ, Krane EJ, Klein NJ and **Goldschneider KR**. Neurologic Complications Associated with Epidural Analgesia in Children: Report of Five Cases of Ambiguous Etiologies Anesth Analg 115(6): 1365-70, 2012.
- 33. **Szabova A, **Goldschneider K**, Rose J. Special considerations and recommendations for interventions for pediatric chronic pain. Int Anesthesiol Clin. 2012 Fall; 50(4):120-9.
- 34. **Szabova A, Rose J, **Goldschneider K.** A guide to diagnoses, indications, and contraindications for interventions in pediatric chronic pain. Int Anesthesiol Clin. 2012 Fall; 50(4):109-19.
- 35. Lynch-Jordan AM, Kashikar-Zuck S, and **Goldschneider KR**. Parent Perceptions of Adolescent Pain Expression: The Adolescent Pain Behavior Questionnaire. Pain 151(3):834-42, 2010.
- 36. Szabova A, Sadhasivam S, Wang Y, Nick T and **Goldschneider K**. Comparison of Postoperative Analgesia with Epidural Butorphanol/Bupivacaine versus Fentanyl/Bupivacaine following Pediatric Urologic Procedures. Journal of Opioid Management, 6(6):401-7, 2010.
- 37. **Goldschneider KR**, Lucky AW, Mellerio J, Palisson F, Vinuela MC and Azizkhan R. Peri-Operative Care of Patients with Epidermolysis Bullosa: Proceedings of the Vth International Symposium on Epidermolysis Bullosa, Santiago Chile, December 4-6, 2008, Ped Anesth, 20(9):797-804, 2010.
- 38. **Goldschneider KR** and Lucky AW. Pain Management in Epidermolysis Bullosa. Dermatologic Clinics, 28(2):273-282, 2010.

- 39. Meyer MJ and **Goldschneider KR**, Bielefeldt K, Zeltzer L, Lackner J and Keefer L: Case Review in Pain: Functional Abdominal Pain in Adolescence: A Biopsychosocial Phenomenon, J Pain Nov;9(11):984-90, 2008.
- 40. McGrath PJ, Walco GA, Turk DC...**Goldschneider KR**, et al. Core outcome domains and measures for pediatric acute and chronic/recurrent pain clinical trials: PedIMMPACT recommendations J Pain Sep;9(9):771-83, 2008.
- 41. Ho IK, Goldschneider KR, Kashikar-Zuck S, Kotagal U, Tessman C, and Jones B: Healthcare utilization and indirect burden among families of pediatric pateints with chronic pain. Journal of Musculoskeletal Pain 16(3): 155-164, 2008.
- 42. Hosu L, Meyer MJ and **Goldschneider KR**: CSF-Cutaneous Fistula after Epidural Analgesia in a Child. Reg Anes Pain Manage 33: 74-76, 2008.
- 43. Lynch AM, Kashikar-Zuck S, **Goldschneider KR**, and Jones, BA: Sex and Age Differences Coping Styles Among Children with Chronic Pain. J Pain Symptom Manage 33(2): 206-216, 2007.
- 44. Lynch AM, Kashikar-Zuck S, **Goldschneider KR**, and Jones BA: Psychosocial Risks for Disability in Children with Chronic Back Pain. J Pain 7(4): 244-51, 2006.
- 45. Kashikar-Zuck S, Vaught MH, Goldschneider KR, Graham TB and Miller JC: Depression, Coping, and Functional Disability in Juvenile Primary Fibromyalgia Syndrome J Pain 3(5): 412-419, 2002.
- 46. Falvo N, Kashikar-Zuck S and **Goldschneider K**: Cognitive-Behavioral Approaches to Pediatric Pain Management. Postgraduate Doctor 18(4):128-31, 2002.
- 47. Kashikar-Zuck S, **Goldschneider KR**, Powers SW, Vaught MH and Hershey AD: Depression and Functional Disability in Chronic Pediatric Pain. Clin J Pain 17:134-139, 2001. Supported in part by grants from the Children's Hospital Medical Center, Children's Hospital, Cincinnati, and NIH grant #1P60AR47784-01.
- 48. **Goldschneider KR** and Brandom BW: The incidence of tissue coring during the performance of caudal injection in children. Regional Anesthesia and Pain Management. 24(6): 553-556, 1999.
- 49. **Goldschneider KR**, Forouhar FA, Altman AJ, Yamase HT and Walzak MP: Diagnostic pitfalls in the diagnosis of soft tissue bladder tumors in pediatric patients. Ann Clin Lab Sci 20(1): 22-27, 1990.
- 50. **Goldschneider KR** and Forouhar FA: Cyclic Neutropenia: A case of asymptomatic appendicitis. Ann Clin Lab Sci 19(6): 429-34, 1989.

Non Peer-Reviewed Scholarship

Books

- 1. **Goldschneider, KR**, Wittkugel, E, Davidson, A and Skinner, A (Eds.): Clinical Pediatric Anesthesia: A Case-Based Handbook. Oxford University Press, 2012.
- 2. Walco, GA and **Goldschneider**, **KR** (Eds.): Pain in Children: A Practical Guide for Primary Care, Humana Press, 2008.

Articles & Editorials

- 1. Goldschneider, KR. Editorial: A False Comfort with Codeine. Ped Anesth. 2017 Jan;27(1):8-9
- 2. **Goldschneider KR**, Cravero JP & the Executive Committee for the Section on Anesthesia and Pain of the American Academy of Pediatrics. Policy Statement: The Pediatrician's Role in the Evaluation and Preparation of Pediatric Patients Undergoing Anesthesia. Pediatrics. 2014 Sep; 134(3):634-41
- 3. Fein JA, Zempsky WT, Cravero JP; Committee on Pediatric Emergency Medicine and Section on Anesthesiology and Pain Medicine; American Academy of Pediatrics. Collaborators: Kathy N Shaw, Alice D Ackerman, Chun TH, Conners GP, Dudley NC, Fein JA, Fuchs SM, Moore BR, Selbst SM, Wright JL, Fitzmaurice LS, Frush KS, O'Malley PJ, Yamamoto LG, Barata IA, Bullock K, Gross TK, Edgerton E, Haro TM, HaymonJS, Wright Johnson C, Romig LE, Snow SK, Tuggle DW, Hostetler M, Kavanaugh D, Pellegrini C, Turgel T, Tellez S, Bannister CF, Tobias JD, Anderson CTM, Goldschneider KR, Koh JL, Polaner DM, Houck CS, Singleton MA, Galinkin JL, Riefe JG.. Relief of pain and anxiety in pediatric patients in emergency medical systems. Pediatrics. 2012 Nov;130(5):e1391-405. doi: 10.1542/peds.2012-2536. Epub 2012 Oct 29. PMID: 23109683.
- Palermo T, Eccleston C, Goldschneider K, Larkin McGinn K, Sethna N,
 Schechter N and Turner H. Assessment and Management of Children with Chronic Pain: A Position Statement from the American Pain Society, June 2012 online at www.ampainsoc.org/advocacy/statements.htm
- 4. **Amata AO and **Goldschneider KR:** Managing Procedural and Postoperative Pain in Children, Part II. Postgraduate Doctor 24(3): 77-82, May/June, 2001.
- 5. **Amata AO and **Goldschneider KR:** Managing Procedural and Postoperative Pain in Children, Part I. Postgraduate Doctor 24:2, 62-64, March/April 2001

Chapters

- 1. Szabova A, **Goldschneider KR** and **Awad, M: Chronic Pain in Children. In Cote, C, et al (Eds.), <u>A Practice of Anesthesia for Infants and Children</u>, 7th Ed, 2022
- 2. **Goldschneider, KR** & **Hartzell, CJ. A General Approach to Pediatric Pain. In: <u>Current Diagnosis</u> and <u>Treatment: Pediatric Neurology</u>. Hershey (Ed.) In Press
- 3. **Hartzell, CJ & Goldschneider KR. Pediatric Musculoskeletal Pain. In: <u>Current Diagnosis and Treatment</u>: Pediatric Neurology. Hershey (Ed.) In Press
- 4. **Awad M, **Merchant S, Szabova A & Goldschneider K. Pediatric Amputation. In Furstein (Ed)
- 5. Pediatric Anesthesia: A Comprehensive Approach to Safe and Effective Care (in press)

- 6. **Merchant S, **Awad M, Szabova A & **Goldschneider K**. The Patient with Chronic Pain. In Furstein (Ed) Pediatric Anesthesia: A Comprehensive Approach to Safe and Effective Care (in press)
- 7. **Hendrickson M, Maenpaa CJ and Goldschneider KR. Caudal vs. Penile Block. Williams E. Olutoye OA, Seipel CP, and Aina TAO (Eds.). Oxford University Press, New York, 2018.
- 8. Moore DL and Goldschneider KR. Neonatal Epidural. In Olutoye OA, Seipel CP, and Aina TAO (Eds.) Clinical Pediatric Anesthesia. Oxford University Press, New York, 2018
- 9. **Baker R, Szabova A and Goldschneider KR. Chronic Pain in Children. In: Charles Cote, et al (Eds.). A Practice of Anesthesia for Infants and Children. PA: Elsevier; 6th Edition, 2018
- 10. Szabova A, Goldschneider KR. Essential Topic: Pain Management: Chronic Pain. In Essential Topics and Critical Incidents in Pediatric Anesthesia. Young DA and Olutoye OA (Eds.), 2015
- 11. Szabova A and Goldschneider KR: Chronic Pain in Children. In Cote, C, et al (Eds.), A Practice of Anesthesia for Infants and Children, 5th, 2013
- 12. Goldschneider KR and Wittkugel, EP: Laryngospasm. In Goldschneider KR, Davidson, AJ, Wittkugel EP and Skinner, AV (Eds.) Clinical Pediatric Anesthesia. Oxford University Press, New York, 2012.
- 13. Moore, DL and Goldschneider KR. Pectus Excavatum. In Goldschneider KR, Davidson, AJ, Wittkugel EP and Skinner, AV (Eds.) Clinical Pediatric Anesthesia. Oxford University Press, New York, 2012
- 14. **Szabova, A and Goldschneider, KR. Sickle Cell Disease. In Goldschneider KR, Davidson, AJ, Wittkugel EP and Skinner, AV (Eds.) Clinical Pediatric Anesthesia. Oxford University Press, New York, 2012
- 15. **Szabova, A and Goldschneider, KR. Opioid-tolerant Patient. In Goldschneider KR, Davidson, AJ, Wittkugel EP and Skinner, AV (Eds.) Clinical Pediatric Anesthesia. Oxford University Press, New York, 2012
- Eastwood CB and Goldschneider KR. Caudal vs. Penile Block. In Goldschneider KR, Davidson, AJ, Wittkugel EP and Skinner, AV (Eds.) Clinical Pediatric Anesthesia. Oxford University Press, New York, 2012
- 17. Moore DL and Goldschneider KR. Neonatal Epidural. In Goldschneider KR, Davidson, AJ, Wittkugel EP and Skinner, AV (Eds.) Clinical Pediatric Anesthesia. Oxford University Press, New York, 2012
- 18. **Szabova A and Goldschneider KR: Chronic Pain in Children. In Cote, C, et al (Eds.), A Practice of Anesthesia for Infants and Children, 4th Edition, 2009
- 19. Wilder RT and Goldschneider KR: Pain Relief After Outpatient Surgery. In Walco GA and Goldschneider KR (Eds.) Pain in Children: A Practical Guide for Primary Care. Humana, 2008
- 20. Goldschneider KR, Varughese AM and Weidner NJ: Chronic Benign Pain in Children. In Ramamurthy S, Rogers JN and Alanmanou E (Eds.), Decision Making in Pain Management, 2006
- 21. Weidner NJ, Goldschneider KR and Varughese AM: Cancer-related Pain in Children. In Ramamurthy S, Rogers JN and Alanmanou E (Eds.), Decision Making in Pain Management, 2006
- 22. Goldschneider KR and Ohme W: Life Care Planning for the Pediatric Pain Patient. In Riddick-Grisham, S (Ed.) Life Care Planning and Case Management of the Pediatric Patient, 2004
- 23. Goldschneider KR and Anand KJS: Long Term Consequences of Pain in Neonates. In Schechter NL, Berde CB and Yaster M (Eds.) Pain in Infants, Children, and Adolescents 2nd edition, 2002
- 24. Goldschneider, KR, Mancuso TJ and Berde CB: Pain and its Management in Children. In Loeser J (Ed.) Bonica's Management of Pain, 2000

25. Goldschneider, KR: Pediatric Pain Management. In Warfield C and Fausett H (Eds.) Manual of Pain Management 2nd edition, 2002

Book Reviews

1. **Goldschneider KR**: Pain in Our Youngest Patients (a review of <u>Pain in Neonates and Infants</u> 3rd Ed. Anand, KJS, Stevens, BJ and McGrath, PJ [Eds.]). <u>J Pain Symptom Manage</u>, 36(2): 212-13, 2008

Abstracts (most recent 3 years)

- Hartzell CJ, Goldschneider KR, Gurria JP, Vitale DS, Szabova A, Rich KL, Lynch-Jordan A, Christian P, Duan Q, Ding L, Abu-El-Haija M. Total pancreatectomy with islet auto-transplantation (TPIAT) for pancreatitis in pediatric patients results in clinically significant decreased opioid use, and improved patient outcomes post-TPIAT. Presented at the 56th meeting of the European Pancreatic Club, Santiago de Compostela, Spain. 6/27/2024.
- Lynch-Jordan, AM, King, C, Collins, A, **Goldschneider, KR,** Hartzell, CJ, Szabova, A, Kashikar-Zuck, S. Applying ICD-11 Pain Diagnostic Codes to Youth Diagnosed with Chronic Pain. Poster presented at the International Symposium on Pediatric Pain, Halifax, Nova Scotia, Canada (May 2023).
- Hartzell CJ, Szabova A, Collins A, Morel A, Mijatovic D & Goldschneider KR. Efficacy of aprepitant for refractory pruritus in patients with epidermolysis bullosa and atopic dermatitis: a retrospective study. Poster presented at the International Symposium on Pediatric Pain, Halifax, Nova Scotia, Canada (May 2023).
- Masters H, Taylor JM, Myer IV C, Hammill A, **Goldschneider KR**. Sphenopalatine ganglion blockade in the treatment of intractable neuralgiform headache caused by complex venolymphatic malformation. Poster presented at the International Symposium on Pediatric Pain, Halifax, Nova Scotia, Canada (May 2023).
- Theriault C, Burns T, **Goldschneider K**, Koka A, Logan D, Weisman S, Wilder R, PhD; Windsor B & Zempsky W. Interest in Pediatric Pain Medicine: A Survey of Pediatric Residents. Poster presented at the International Symposium on Pediatric Pain, Halifax, Nova Scotia, Canada (May 2023).
- Adamczyk W, Jackson C, Schulze G, **Goldschneider K**, Kashikar-Zuck S, King CD and Coghill RC. The spatial features of pain: mapping the extent of experimental pain. Poster presented at USASP Annual Scientific Meeting April 11-14, 3023. Durham, NC.
- Eduafo VE, Bell NF, Maynar T, Spivak RA, Kanavitoon S, Geisler KJ, Lee J, Ding L, Caldeira-Kulbakas M, Goldschneider K, Matava C, Olbrecht VA. Effect of age on induction behavior and

- mask acceptance during Virtual Parental Presence at Induction of Anesthesia (VPPIA). Poster presented at SPA/AAP Pediatric Anesthesiology 2023 March 31-April 2, 2023. Austin, Texas.
- Theriault C, Burns T, **Goldschneider K**, Koka A, Logan D, Weisman S, Wilder R, Windsor B, Zempsky W. Pediatric Pain Physician Workforce: A Pilot Needs Assessment Survey. Poster Presentation at the IASP 2022 World Congress on Pain. Toronto Canada, September 23, 2022.
- Mashali, G, et al...Prevalence of Adrenal Insufficiency in Pediatric Patients with Acute Recurrent and Chronic Pancreatitis Who Undergo a Total Pancreatectomy with Islet Auto Transplantation (TPIAT). Pediatric Endocrine Society (PES) 2022 Annual Meeting. April 28 May 1, 2022.
- Bell NF, Spivak RA, Werthmann VJ, Kanavitoon S, Geisler KJ, Yang F, Ding L, Caldeira-Kulbakas M, Goldschneider K, Matava C, Olbrecht VA. Feasibility and Acceptability of Virtual Parental Presence on Induction of Anesthesia (VPPIA). Accepted for Society for Pediatric Pain Medicine Annual Meeting, Tampa FL, March, 2022.
- Barnett KA, Williams SE, Pfeiffer M. Thomas S, Kitchen K, Chamberlin L, Mundo K, Ittenbach R, Peugh J, Gibler RC, Lynch-Jordan AM, Ting TV, Gadd B, Taylor J, Goldschneider KR, Myer GD, and Kashikar-Zuck S, for the FIT Teens Study Group. FIT Teens RCT for juvenile fibromyalgia: study design and protocol adaptations in response to the COVID 19 pandemic. Accepted for the Society of Pediatric Psychology Annual Conference, April, 2022.

Peer Review Activities

(1-2/year)

Peer Review A 2022	Activities Pediatric Drugs
2022	rediatile Diugs
2017 > 2	Pain Medicine
2016, 2017	Behavioral Medicine and Clinical Pediatrics
2014 (x1)	Journal of Pain Research
2014 (x1)	Pain Research & Management
2011- present	Pediatrics
(1-2/year) 2011	Relieving Pain in America: A Blueprint for Transforming Prevention, Care, Education, and Research. Institute of Medicine, National Academies Press. Invited Reviewer
2009- present	Pediatric Pain Letter
(1/year) 2009-2012	Journal of Musculoskeletal Pain
2009-2010	Canada Research Chairs Program, College of Reviewers
(x1r) 2008- presenet	Clinical Journal of Pain

2004- Anesthesia and Analgesia

present (4-5/year)

2004 Journal of Pediatric Psychology. Reviewer

2000- Journal of Pediatrics

present (< 1/yr)

2000 Pediatric Journal of Hematology/Oncology

Research Projects (non-published, industry)

- Gunter JB, **Goldschneider KR**, et al: "A Multicenter, Double Blind, Randomized, Dose Ranging Study, in Pediatric Patients 5 to ≤ 16 Years of Age Receiving Morphine as Standard Supplemental Pain Medication, to Evaluate Pharmacokinetics, Efficacy and Safety of Oxy Pediatric Liquid (1mg/ml) versus Placebo in the Treatment of Acute Moderate to Severe Pain" OXP 3003, Purdue Pharma, L.P. IRB# 03-8-47 [completed]
- Gunter JB, Weidner NJ, Varughese AM, Goldschneider KR, Gregg T, Wolf DL and Beckman E: "Evaluation of the Safety Profile and Clinical Effectiveness of Oral Tramadol Hydrochloride Tablets for the Treatment of Postsurgical Pain in Children and Adolescents age Seven to Sixteen Years"; Project TRAM-PEDS-005; Document No.: EDMS-USRA-3721906:3.0 [completed].
- Gunter JB, Weidner NJ, Varughese AM, **Goldschneider KR**, Gregg T, Wolf DL and Beckman E: RW Johnson Pharmaceutical Research Institute: "Evaluation of the Safety Profile and Clinical Effectiveness of Two Dosing Levels of Oral Tramadol Hydrochloride with Acetaminophen for the Treatment of Postsurgical Pain in Adolescents Aged Twelve to Sixteen Years." CHMC Protocol # 00-6-7 [completed].

Professional Education Materials or Reports, in print or other media

- Anesthesia/Palliative, Goldschneider K (contributing editor) in **The Pocket** (CCHMC Pediatric Reference guide): Kheir, J, Sobolewski B, Wormser B and Ostermeier A (Eds.), 2019 present: annual editions (editors vary annually).
- Pediatric Chronic Pain Task Force: Tonya Palermo T, Eccleston C, **Goldschneider K**, Larkin McGinn K, Sethna N, Schechter N and Turner H. Assessment and Management of Children with Chronic Pain: A Position Statement from the American Pain Society. http://www.ampainsoc.org/advocacy/statements.htm. Active as of June 4, 2012.
- **Goldschneider KR**: Despite warnings, fatal overdoses continue with misuse of fentanyl patch, *AAP News*, 29:13, February, 2008.
- Kashikar-Zuck S, **Goldschneider KR**: Factors Related to Functional Disability in Children with Chronic Pain. Midwest Pain Society Update, July. 2001.
- Goldschneider KR: Long-term consequences of pain in infancy. IASP Newsletter, July/August, 1998.

Patient Education Program: online education materials with printout capacity, through CHMCC website. Topics prepared: Pain, Cancer Pain, Inpatient Surgical Pain, Outpatient Surgical Pain, Medical Pain, Patient Controlled Analgesia, Peripheral Regional Blockade, Epidural Analgesia, Morphine, Hydromorphone, Methadone, Codeine, Ketorolac, and Fentanyl. May, 2001, supervise updates.

Public Education, Relations and Media Materials

- "Pediatric Pain Management" A 60 minute educational video made in conjunction with the American Academy of Pediatrics, July, 2001. Wrote, narrated, organized and presented.
- Multiple educational and promotional videos on behalf of the Pain Management Center and Pancreas Care Center at CCHMC. ~2010 present.
- Member of panel video presentation: "Managing the Diseased Pancreas in Children: What Have We Learned?," Pancreas Care Center, CCHMC 6/20/2016. GlobalcastMD. Video available at http://www.globalcastmd.com/library/details/managing-the-diseased-pancreas-in-children
- Interviewed, videoed and featured online and in print for "What you don't know about pain can be deadly" A 4-part series by the Cincinnati Enquirer December 16-19, 2013.
- Wrote for CCHMC Blog: "What pain feels like for someone with Ehlers-Danlos syndrome" August 8, 2013. Over 103,000 views in the first 3 years.
- Featured in "Live Event Pain Management for Children with Ehlers-Danlos Syndrome." Online video chat with Kenneth Goldschneider ad Derek Neilson. August 21, 2013. Now on Youtube with 2000+ views as of December 16, 2013.
- Cited in "Prepared Patient: Getting the Right Help for Acute Pain", Health Behavior News Service, by Maia Szalavitz, September 22, 2011.
- Cited in "Pediatric pain doc goes into solo practice", Business First of Columbus, May 7, 2010.
- Cited in "Some Parents Aren't Giving Kids Pain Meds Post-Surgery", distributed by Health Day News, September, 2009.

Cited in "Sugar, Breastmilk can Ease Vaccination Pain", distributed by Healthday News to US News and World Report, Washington Post.com, The Nigerian Tribune, The Tehran Times International Daily, Yeshiva World News, among others, February, 2008.

Interviewed and featured in "Little aches and Pains", the *Your Family* section of the Alaska Club online magazine, April, 2006.

Interviewed for "Good Morning Cincinnati" on WKRC-TV Channel 12 TV (CBS) August 11, 2005.

Interviewed and featured in "Children feel pain, too" ABCNews.com. May 12, 2005. Interviewed, photographed and featured in "Kids' distress no small thing; children's hospitals are shattering the myths on pain", cover story, Life Section *USA Today*, May 9, 2005.

Interviewed and featured in "Pain on a Smaller scale", Washington Post, March 15, 2005.

Featured with Susmita Kashikar-Zuck in a live, online reader discussion, "Children Living with Chronic Pain", on washingtonpost.com, March 15, 2005.

Special guest on "Your Child's Health", hosted by Stephen Meuthing, MD on WVXU, FM 91.7. Topic: Anesthesia for Children. Aired November 9, 2004.

Interviewed and featured in "Responding at last to children's pain" in *Cincinnati Post*, September 13, 2000

Interviewed for "Children treated for chronic pain", Cincinnati Post, November 11, 2000

Interviewed in Chronic Pain Clinic for TV WCPO, 9News (local ABC affiliate), Fall 2000

Narrative Report

20 years ago I was recruited out of fellowship to the Cincinnati Children's Hospital Medical Center to formalize pain management services. The first years were marked by a flurry of activity both clinically and in development of clinical programs and in establishing pain management research. I did this with my main collaborator, Dr. Susmita Kashikar-Zuck of the Division of Psychology. Our clinical and research programs were among the earlier interdisciplinary programs in our institution. Since that time, I have led the development a one of the largest and most comprehensive Pediatric Pain and Palliative Care programs in the world. It is not an understatement that our programs are world-renowned. As an example, we currently have a visitor from Brazil who has come to see how our programs operate, so she can try to establish something similar in her home city. While building our programs over the years, I have enjoyed tremendous academic productivity as well as the satisfaction of establishing interdisciplinary pain care programs throughout our institution. In addition to the main Pain Clinic, we see patients in the Epidermolysis Bullosa Clinic, the Pancreas Care Center, Sickle Cell Clinic, inpatient PM&R floor, participated in the Hemangioma and Vascular Malformation Center and are currently exploring a possible collaboration with Genetics for the care of patients with Ehlers-Danlos Syndrome. My academic activities have featured collaborative relations across multiple divisions and departments and outside institutions. The terms "interdisciplinary" and "collaboration" would be two of the most consistent words used to describe my overall professional career. When I was promoted to Professor, it had been 14 years since the last such promotion in our department, and I am proud to have played a leadership role in academic productivity.

On a national level, I have participated in a number of professional societies in leadership and collaborative capacities that has advanced our field. I am currently one of the founding members of a

national interdisciplinary work group whose goal is to establish novel training fellowships for pediatricians which do not currently exist, but would satisfy a tremendous clinical need for pain practitioners. Planning for the future of our field and finding sustainable ways to meet the needs of patients across the country has become a focus of my time and energies.

Within the current educational structure, we established the second ACGME-accredited pediatric pain fellowship in the United States. The fellowship has provided me many opportunities to form mentoring relationships with fellows. I did not list all of our graduates (*vida supra*), as I consider the mentor role to be unique and beyond simply being a teaching attending. We have graduated multiple ABA and ABPMR board eligible pain physicians who have taken both team and leadership positions across the country. I established pain management as a formal components of the pediatric residency didactic program and we are active participants on multiple levels with the education of faculty and staff in the medical center. I currently chair the pain management steering committee for the hospital which oversees all things related to pain management on administrative educational and advocacy level.