

David M. Spiro MD, MPH  
Arkansas Children's Hospital  
University of Arkansas Medical Sciences  
Department of Pediatrics  
1 Children's Way  
Little Rock, AR 72202

**UNDERGRADUATE & GRADUATE EDUCATION**

Bachelor of Arts, Echols Scholar  
University of Virginia, 08/1983 to 05/1987

Medical Doctor  
University of California, San Francisco, 08/1987 to 05/1991

Master's Degree in Public Health, Epidemiology  
University of Alabama, Birmingham, 07/00 to 06/03

**POSTGRADUATE EDUCATION**

Internship in Pediatrics  
University of Colorado Health Sciences, Denver Children's Hospital, 06/1991 to 07/1994

Residency in Pediatrics  
University of Colorado Health Sciences, Denver Children's Hospital, 07/1992 to 07/1994

Fellowship in Pediatric Emergency Medicine  
University of Alabama at Birmingham, 7/2000 to 6/2003

**STATE LICENSURE**

Arkansas  
E-11489      DEA FS8926327

**BOARD CERTIFICATION**

American Board of Pediatrics  
Pediatric Emergency Medicine - 10/12/1994-present ABPID #237094

## **PROFESSIONAL EXPERIENCE**

### **CLINICAL**

1994-1999 Clinical Assistant Professor, Oregon Health and Science University  
1999-2000 Clinical Associate Professor, Oregon Health and Science University  
1994-1999 Community Pediatrician, Coastal Pediatrics, Newport, Oregon  
1994-1999 Pediatrician, Siletz Native American Clinic, Siletz, Oregon  
1994-1999 Staff Pediatrician, Pacific Communities Hospital, Newport, Oregon  
2000-2003 Fellow, Pediatric Emergency Medicine, University of Alabama-Birmingham  
2000-2003 Instructor in Pediatrics, University of Alabama-Birmingham  
2003-2006 Assistant Professor of Pediatrics, Yale University School of Medicine, New Haven, CT  
5/06-7/14 Assistant Professor of Pediatrics & Emergency Medicine, OHSU, Portland, Oregon  
5/06-7/14 Medical Director, Pediatric Emergency Department, Doernbecher Children's Hospital  
7/07-7/14 Section Chief, Pediatric Emergency Medicine, Oregon Health and Science University  
7/08-7/14 Associate Professor of Pediatrics & Emergency Medicine, OHSU, Portland, Oregon  
7/12-7/14 Research Mentor, K-12 Research Career Development Program, OHSU  
5/15-5/18 Attending Physician, Pediatric Emergency Medicine, Summerlin Hospital, Las Vegas, NV  
5/18-12/22 Attending Physician, Pediatric Emergency Medicine, Sunrise Hospital, Las Vegas, NV  
1/20-present Clinical Attending, Arkansas Children's Hospital, Little Rock, Arkansas

### **ADMINISTRATIVE**

1995-1996 Chief, Obstetrics/Pediatrics, Pacific Communities Hospital, Newport, Oregon  
1996-1997 Vice Chief of Staff, Pacific Communities Hospital, Newport, Oregon  
1997-1998 Chief of Medical Staff, Pacific Communities Hospital, Newport, Oregon  
1999-2000 Instructor of Pediatrics, International Medical Corps, Prishtina, Kosovo  
2003-2006 Medical Director, Pediatric Advanced Life Support, Yale New Haven Hospital  
2004-2006 Site Director, Pediatric Emergency Medicine, Yale Physician Assistant Program  
2004-2006 Member, Medical School Admissions Committee, Yale University  
2006-2014 Co-Medical Director, Pediatric Advanced Life Support, Doernbecher Children's Hospital  
2006-2014 Member, CQI Committee, Department of Emergency Medicine, OHSU  
2006-2009 Director, Pediatric Emergency Medicine Core Nursing Committee  
2006-2013 Member, Resident Selection Committee, Department of Pediatrics, OHSU  
2006-2010 Chair, Emergency Medicine Services for Children Committee (EMS-C), State of Oregon  
2007-2014 Site Director, OHSU Physician Assistant Elective, OHSU  
2007-2009 Regional Faculty, American Heart Association, Northwest Chapter (PALS)  
2007-2014 Committee Member, Pediatric Best Practice Committee, Doernbecher Children's Hospital  
2007-2014 Member, Admissions Committee, OHSU School of Medicine  
2009-2014 Member, Pediatric Emergency Medicine Fellowship Committee  
2008-2014 Member, Promotions and Tenure Committee, Department of Emergency Medicine, OHSU  
2008-2014 Board Member, Doernbecher Children's Safety Center  
2011-2014 Residency Site Director Committee, Department of Pediatrics, OHSU  
2012-2014 Crisis Center Guidance Committee, State of Oregon Public Health  
2012-2014 Director, 4<sup>th</sup> year Pediatric Emergency Medicine Clerkship, OHSU  
2012-2014 Co-fellowship Director, Pediatric Emergency Medicine, OHSU  
5/12-pres. Co-founder & Chief Medical Officer, ReelDx Inc  
5/12-pres Board Member, ReelDx Inc.  
7/15-7/17 Medical Consultant, Novel Interventions in Children's Health, OHSU  
5/17-5/20 Vice President and Medical Director, AllMed Healthcare

1/20-pres. Founder and Chief Executive Officer, GoCrew Inc.  
 1/20-pres. Professor of Pediatrics, University of Arkansas for Medical Sciences  
 1/20-pres. Research Director, Section of Pediatric Emergency Medicine, UAMS  
 1/20-pres. Member, Scholarly Oversight Committee, Pediatric Emergency Medicine, UAMS  
 1/20-pres. Fellowship Admissions Committee, Pediatric Emergency Medicine, UAMS  
 1/21-pres. Throughput Committee, Arkansas Children's Hospital  
 1/22-pres. Trauma Council, Arkansas Children's Hospital  
 3/22-pres. Interim Section Chief, Section of Pediatric Emergency Medicine, UAMS  
 3/22-pres. Pediatric Emergency Medicine North American Section Chiefs Committee  
 5/23-pres. Section Chief Pediatric Emergency Medicine and Endowed Chair, UAMS/ACH  
 7/23-pres. Acute Care Committee, Arkansas Children's Hospital  
 9/23-5/24 Arkansas Children's Leadership Course  
 11/23-3/23 Search Committee, Chair of Emergency Medicine, UAMS  
 10/23-pres. National PEM CRC Research Council  
 6/25-present Health Committee, Arkansas Children's Hospital  
 1/25-present Peer Messenger, Arkansas Children's Hospital  
 6/25-present Site Director, UAMS Physician Assistant Program Advanced Elective

## **SCHOLARSHIP**

### **AREAS OF SCHOLARLY INTEREST**

Judicious Use of Antibiotics  
 Video-Visual Diagnosis  
 Clinical Pathways  
 Healthcare Utilization  
 Clinical Operations

### **AWARDS**

Pediatric Academic Societies - National Fellow Award, 2001  
 International Society for Pharmaco- epidemiology – Student Abstract Award, 2002  
 Society for Pediatric Research Clinical Research Award, 2003  
 Ludwig/Seidel Award Best Scientific Presentation by an EM Fellow, APA, 2004  
 Finalist, Young Investigator Award Eastern Society for Pediatric Research, 2005  
 Finalist, Ken Graff Award for Excellence in Pediatric Emergency Medicine, 2005  
 Listed, "Guide to America's Top Pediatricians", Consumer's Research Council of America, 2007  
 Top Physician, Portland, Portland Monthly Magazine, 2009  
 Listed, "Guide to America's Top Pediatricians", Consumer's Research Council of America, 2010  
 Top Physician in Pediatric Emergency Medicine, Portland Monthly Magazine, 2010  
 Exceptional Mentor Award, MPH Graduate Program (Melissa Welker MS4), 2012  
 Best Abstract Session Award, Society for Academic EM, Western Regional Meeting, 2012  
 Top Physician in Pediatric Emergency Medicine, Portland Monthly Magazine, 2013  
 J. David Bristow Award for Exemplary Clinical Practice, OHSU School of Medicine, 2013  
 OHSU Technology Transfer Business Development Award, 2014  
 Top Physician in Pediatric Emergency Medicine, Portland Monthly Magazine 2014  
 IMPACT Award, Department of Emergency Medicine, 2014  
 Log-A-Load Endowed Chair Award, Pediatric Emergency Medicine, 2023  
 Diane McKay Arkansas Children's Hospital Quality Award, 2025  
 Pillar of Partnership Award (Residency), Pediatric Emergency Medicine Section, 2025

## **GRANTS AND CONTRACTS**

### **INTERNATIONAL**

Melinta Therapeutics

Title: A Multicenter open label, single arm Phase 2 Study to Evaluate the Safety, Tolerability and Pharmacokinetics of Meropenem-Vaborbactam in the Treatment of Children with Complicated Urinary Tract Infections

Local Principal Investigator: Spiro

Dates: June 2025 –

Amount: Estimated \$400,000

### **FEDERAL**

National Institute of Neurological Disorders and Stroke - NINDS/NIH

Title: NETT: statewide infrastructure to perform clinical studies in neurological emergencies throughout the region

Principal Investigator: Lowe

Role: Co-investigator

Dates: October 2007-August 2012

Amount: \$1,401,750

Effort: 5%

General Clinical Research Center  
Yale University School of Medicine

Title: "Wait and See Prescription for Acute Otitis Media: A Randomized Controlled Trial in the Community Setting"

Principal Investigator: David Spiro

Dates: 2004-2005

Amount: \$1000

Effort: 10%

Short Term Student Training in Health Professional Schools Grant # T35-HL07473

Title: "Tympanometry to Determine Outcome Differences in Acute Otitis Media: A Randomized, Controlled Trial"

Principal Investigator: David Spiro

Dates: 6/2001-8/2002, and 6/2002-8/2003

Amount: Mentored Medical Student Research Support

### **STATE AND LOCAL**

Arkansas Children's Hospital Intramural Grant - 2020

Title "Prevalence of COVID-19 infection in pediatric patients and pediatric emergency department healthcare workers" Primary Site Co-Investigators: David M. Spiro, MD, Larry Quang, MD

\$50,000, 2020

Venaxis - 2014

Title "Evaluation of the Appy Score in a Point of Care Test" Primary Site Investigator: David M. Spiro, MD

Estimated: \$50,000

Aspen BioPharma - 2012

Title "Evaluation of a New Appendicitis Marker"

Primary Site Investigator: David Spiro, MD Co-Investigator: Ross Fleishman Estimated: \$80,000

American Academy of Pediatrics Resident Research Grant

Title "Propofol for Treatment of Acute Migraine Headaches in Children: A Randomized, Controlled Trial" PI: David Sheridan, MD

C-Investigator/mentor: David Spiro, MD

Estimated: \$3,000

Baxter Corporation, Industry-sponsored Grant

Title: "Plasma-lyte A for Pediatric Gastroenteritis" Dates: 11/16/2010-present Primary Site Investigator: David Spiro, MD Estimated: \$40,000

Percent Effort: 5%

Aspen BioPharma

Title "Evaluation of a New Appendicitis Marker"

Dates: 2011 Primary Site Investigator: David Spiro, MD Co-Investigator: Ross Fleishman Estimated: \$60,000

Doernbecher Hospital Foundation Grant - 2009 Title: "Pediatric Simulation"

Primary Investigator: Robert Cloutier, MD Co-Investigators: David Spiro, Garth Meckler \$30,000

Baxter Corporation, Industry-sponsored Grant - 2009

Title: "Randomized Controlled Trial Evaluating the Use of Subcutaneous Infusion for Dehydration"

Estimated: \$60,000

Percent Effort: 5%

Foundation Grant from the Doernbecher Children's Hospital Foundation - 2006-2010

Purpose: Capital and Operational Expenses for the Creation of a Pediatric Emergency Department

Estimated: \$5,000,000

Percent Effort: 25%

MedImmune Corporation, Industry Sponsored Grant

Title: "An Epidemiological Study to Evaluate the Seasonality of Respiratory Syncytial Virus-Associated Lower Respiratory Tract Infections (LRI) in Infants in the ED" Primary Investigator:

David Spiro Dates: 10/1/06-10/1/08

Estimated: ~\$200,000

Percent Effort: 10%

American Academy of Pediatrics, 2006

Title: "The Association of Body Mass Index and Ankle Injuries in Children", Primary Investigator: Mark Zonfrillo

Role: Senior Investigator/Mentor

Amount: \$2000/Percent Effort: 5%

Yale School of Medicine Student Grant, 2006-2008

Title: Resident Health Behavior Study, A Prospective Cohort Primary Investigator: Maya Roberts, MS III

Role: Faculty Sponsor, Mentor

Amount: \$1600

Percent Effort: 5%

Friends of the Yale-New Haven Children's Hospital, 2003-2005

Title: "Wait and See Prescription for Acute Otitis Media: A Randomized Controlled Trial" Principal Investigator: David Spiro

Amount: \$7500

Effort: 10%

Friends of the Yale-New Haven Children's Hospital, 2004-2006

Title: "End-Tidal Carbon Dioxide as an Objective Measure of Asthma Severity"

Principal Investigator: Melissa Langan

Role: Mentor, Senior Investigator

Amount: \$9500

Effort: 5%

The Research Institute, Children's Hospital of Alabama, 2001-2003

Title: "Tympanometry to Determine Outcome Differences in Acute Otitis Media: A Randomized, Controlled Trial"

Principal Investigator: David Spiro

Amount: \$60,000

Effort: 20%

The Research Institute, Children's Hospital of Alabama, 2002-2003

Title: "Pulse Oximeter Plethysmograph-derived Pulse Volume Change: A non-invasive estimate of Pulsus Paradoxus"

Principal Investigator: Donald H. Arnold

Role: Co-Investigator

Amount: \$30,000

Effort: 5%

## PUBLICATIONS – PEER REVIEWED

1. Predictors of invasive bacterial infections in febrile infants  $\leq 21$  days old in the pediatric emergency department. J Wimberly, **DM Spiro**, C Doshier, L Crawley, D Haselow. *The American Journal of the Medical Sciences*. Volume 371, Supplement 1, February 2026, Page S323
2. Improving lumbar puncture success in early infancy using ultrasound-assisted landmark identification – a work in progress. Hooten, J Williamson, D Liu, J Arthur, **DM Spiro**, MW Maready. *The American Journal of the Medical Sciences*. Volume 371, Supplement 1, February 2026, Page S358
3. Pediatric subspecialty utilization following firearm injury: insights from a tertiary care center. A Roach, E John, **DM Spiro**, D Haselow, D Wyrick, L Crawley, E Storm, A Morse. *The American Journal of the Medical Sciences*. Volume 371, Supplement 1, February 2026, Page S324-5.
4. Mikkilineni S, Cantu R, **Spiro DM**, et al. A multidisciplinary quality improvement initiative to improve hospital throughput in a pediatric tertiary care center. *Pediatr Qual Saf*. 2025;10:e857. Published online December 1, 2025.
5. Megan Scarbrough, Sarah Sylvester, Lauren Howard, **David M. Spiro**, Degloving of the arm due to a bite from a horse in a child. *Visual Journal of Emergency Medicine*, Volume 41, 2025, <https://doi.org/10.1016/j.visj.2025.102359>.
6. Clawson, A., H. Wilkins, R. Pushparajah, J. Perry, A. Baldrige, J. H. Criddle, L. Crawley, **D. M. Spiro**, and T. M. Thompson. "Keeping up with the flow: strategic initiatives to manage an emergency department with a reduced pediatric resident workforce." *The American Journal of the Medical Sciences* 367 (2024): S146-S147
7. Howard, L. **Spiro D**, Mak RP. Early Administration of Ondansetron in the Pediatric Emergency Department. *Annals of Emergency Medicine*, Vol 82 (45) Supplement OCT 2023 pg S191.
8. **Spiro DM**. A Commitment to making Healthcare Personal. *JAMA*. 2023: Published Online: September 27, 2023. doi:[10.1001/jama.2023.18037](https://doi.org/10.1001/jama.2023.18037)
9. Malaspina JM, Arthur J, Crawley LJ, Shelnut G, Abulfaraj M, **Spiro D**. The Oblique View Approach as an Alternative for Ultrasound-Guided Peripheral Intravenous Line Placement. *Academic Emergency Medicine* 2023;00:1-416. doi: 10.1111/acem.14718
10. Russ, A, Morse A, **Spiro DM**. When a Headache is More than the Flu: A Case Report, *Western Journal of Emergency Medicine*, <https://escholarship.org/uc/item/8w32k9qw>, AUG 2022.
11. Bear, H, **Spiro DM**, Seroprevalence of SARS-CoV-2 Antibodies in Front-line Pediatric Healthcare Workers. *Journal of the American College of Emergency Physicians*, Open. MAY 2022.
12. **Spiro DM**. More Than a Random Act of Violence. *Annals of Emergency Medicine*. Aug 2021 78(2) p 308-309.
13. Pediatric Minor Traumatic Brain Injury with Intracranial Hemorrhage. Identifying Low-risk Patients Who May Not Benefit from ICU Admission, Burns EC, **Spiro DM**. *Pediatric Emergency Care* March 2019- Volume35-Issue 3 p 161-169.
14. Sheridan DC, **Spiro DM**, Fu R, Johnson KP, Sheridan JS, Oue AA, Wang W, Van Nes R, Hansen ML. MentalHealth Utilization in a Pediatric Emergency Department. *Pediatr Emerg Care*. 2015 Aug;31(8):555-9
15. Sheridan DC, Johnson KP, Fu R, Spiro DM, Hansen ML. Impact of an Inpatient Psychiatric Unit on Pediatric Emergency Mental Health Care. *Pediatr Emerg Care*. 2017 Jan;33(1):1-4.
16. Performance characteristics of magnetic resonance imaging without contrast agents or sedation in pediatric appendicitis. Didier RA, **Spiro DM**. *Pediatric Radiology* Sept 2017 VOL 47 (10): 1312- 20.
17. A Randomized Trial of Plasma-Lyte A and 0.9% sodium chloride in acute pediatric gastroenteritis. Coburn H. Allen, MD; Ran D. Goldman, MD; Seema Bhatt, MD; Harold K. Simon, MD; Marc H. Gorelick, MD; Philip R. Spandorfer, MD; **David M. Spiro, MD**, *BMC Pediatrics* 2016
18. Langhan ML, **Spiro DM**, Shabanova V, Tancredi DJ. *Delayed corticosteroid administration in pediatric asthma is associated with increased hospital length of stay*. *Pediatr Emerg Care*. 2015 Mar;31(3):199–203.
19. A Clinical Pathway to Reduce Time to Antibiotic Administration in Pediatric Cancer Patients with Fever and Potential Neutropenia. Lambale, A, **Spiro DM**. *Journal of Clinical Pathways*. NOV 2015.
20. Test Characteristics of quick brain MRI for shunt evaluation in children: an alternative modality to avoid radiation. Yue, EL, **Spiro, DM**. *Journal of Pediatric Neurosurgery*. JAN 2015

21. Sheridan DC, **Spiro DM**, Meckler GD. Pediatric Migraine: Abortive Management in the Emergency Department. *Headache* 2014 Feb;54(2):235-45
22. DC Sheridan, GD Meckler, **DM Spiro**, TK Koch, ML Hansen. Diagnostic Testing and Treatment of Pediatric Headache in the Emergency Department. *The Journal of Pediatrics*. 163 (6) 1634-1637
23. Huckins, D. **Spiro, DM**. A Novel BioMarker Panel to Rule Out Acute Appendicitis in Pediatric Patients with Abdominal Pain *The American Journal of Emergency Medicine*, Accepted June 2013.
24. Hall, MKH, **Spiro, DM**, Meckler GD. Bedside Optic Nerve Sheath Diameter Ultrasound for the Evaluation of Suspected Pediatric Ventriculo-peritoneal Shunt Failure in the Emergency Department. *Child's Nervous System*. Accepted May, 2013
25. Fleischman RJ, Devine MK, Yagapen MA, Steichen A, Hansen ML, Zigman A, **Spiro DM**. Evaluation of a Novel Pediatric Appendicitis Pathway Using High and Low Risk Scoring Systems. *Pediatric Emergency Care*. Accepted for publication, February 2013
26. Roberts M, Zonfrillo M, Dzuira J, **Spiro DM**. Overweight physicians during residency: a cross-sectional and longitudinal study. *Journal of Graduate Medical Education*. In press.
27. **Spiro DM**, Meckler GD. Radial Head Subluxation. *PREP Self Assessment*. 2013
28. Sheridan D. **Spiro DM**. Koch T. Meckler GD. Low-Dose Propofol for the Abortive Treatment of Pediatric Migraine in the Emergency Department. *Pediatric Emergency Care* 28(12):1293-1296, December 2012
29. Philip R. Spandorfer, Sharon E. Mace, Pamela J. Okada, Harold K. Simon, **David M. Spiro, MD, MPH**; Keith Friend, George Harb, and Francois Lebel; on Behalf of the Increased Flow Utilizing Subcutaneously-Enabled Pediatric Rehydration II (INFUSE-Peds II) Study Group A Randomized Clinical Trial of Recombinant Human Hyaluronidase-Facilitated Subcutaneous Versus Intravenous Rehydration in Mild to Moderately Dehydrated Children in the Emergency Department, *Clinical Therapeutics*, November 2012
30. **Spiro DM**, Meckler GD, Arnold DM. Treatment of Children with Acute Otitis Media. *NEJM*. 2011.364(18):1775-6
31. **Spiro DM**. Conveyance of Grief. *Ann Emerg Med*. 2011;57:539-540
32. **Spiro DM**, Welker M, Arnold DH, Meckler GD. A Proposal to Limit Otoscopy to Reduce Unnecessary Use of Antibiotics: A Call for Research. *Expert Review of Anti-Infective Therapy*, 9(2); 177-181
33. Hansen M, Meckler G, **Spiro DM**, Newgard C. Intraosseous Line Use, Complications, and Outcomes Among A Population-Based Cohort of Children Presenting to California Hospitals. *Pediatric Emergency Care*, 27(10), 2011.
34. Choo E, **Spiro DM**, Loew, RA, Newgard, CD, Hall, MK, McConnell, KJ. Rural-Urban Disparities in Child Abuse Management Resources in the Emergency Department. *The Journal of Rural Health*. August, 2010.
35. **Spiro DM**, Zonfrillo M, Meckler GM. Wounds. *Pediatrics in Review*. Volume 31 (8); Pages 326-334.
36. **Spiro DM**, Daya M. Cancer Emergencies. *Hematology-Oncology Clinics of North America*, Preface, Volume 24, Issue 3, Pages xi-xii (June 2010)
37. Deis, J, **Spiro DM**, Arnold DH. Parental Knowledge and Use of Preventive Asthma Care Measures. *Journal of Asthma*. June 2010, Vol. 47, No. 5: Pages 551-556
38. **Spiro DM**, Daya M. Cancer Emergencies, Part 2. *Emergency Medicine Clinics of North America*, 2009: 27(3); 13-14.
39. Hegel, J, **Spiro DM**, Meckler GD. Halo Scalp Ring with Purulent Drainage in a Newborn. *Pediatr Emer Care*. 2010; 26:46-47.
40. Langan ML, **Spiro DM**. Portable Spirometry During Acute Exacerbations of Asthma in a Pediatric Emergency Department. *Journal of Asthma*. 2009;46(2): 122-125.
41. Meckler GD, **Spiro DM**. Radial Head Subluxation. *Pediatrics in Review*. 2008;29: e42-e43
42. **Spiro DM**, Arnold DH. The Concept and Practice of Wait and See Prescription for the Treatment of Acute Otitis Media. *Current Opinion in Pediatrics*. *Current Opinion Pediatrics*. 2008;20:72-78
43. Langan ML, Zonfrillo MZ, **Spiro DM**. Quantitative End-Tidal Carbon Dioxide in Acute Exacerbations of Asthma. *J Pediatr* 2008;152:829-32
44. Zonfrillo, MR, Seiden JA, House EM, Shapiro ED, Dubrow R, Baker MD, **Spiro DM**. The Association of Overweight and Ankle Injuries in Children. *Ambulatory Pediatrics*, 2008; 8(1): 66-69
45. Arnold DH, **Spiro DM**. Visual Diagnosis: A 5-year old Child with Facial Palsy and Rash. *Pediatrics in Review*. December 2007 28(12): 465-469.

46. Nilles, EJ, **Spiro DM**. Delayed Intra-cerebral Hemorrhage from an Extra Cranial BB-Pellet. *Pediatric Emergency Care*, June, 2007;23 (6): 409-411
47. **Spiro DM**, Shapiro ED. Wait-and-See Prescription for Acute Otitis Media—In Reply, *JAMA*, January 10, 2007; 297: 152 – 153
48. **Spiro DM**, Tay K, Arnold DH, Dzuira J, Baker MD, Shapiro ED. Wait and See Prescription for Acute Otitis Media: A Randomized Controlled Trial. *JAMA*. 2006; 296(10):1235-41
49. Langan ML, Zonfrillo MR, Bazy-Assad A, **Spiro DM**. Portable Spirometry During Acute Exacerbations of Asthma in the Pediatric Emergency Department. *Pediatric Emergency Care*. 2006 Sep;22(9):685
50. Bechtel KB, **Spiro DM**. Duodenal Hematoma After Upper Endoscopy and Biopsy in a 4-year-old girl. *Pediatric Emergency Care* 2006 Sep: 22(9):653-654
51. **Spiro DM**. Acute otitis media-to treat or not to treat? *Pediatric Emergency Care*. 2006 Apr;22(4):283-284
52. Arnold DH, **Spiro DM**, Nichols MH, King WD. Availability and Perceived Competence of Pediatricians to serve as Child Protection Team Medical Consultants: A Survey of Practicing Pediatricians. *Southern Medical Journal*. 98(4): 423-428
53. **Spiro DM**, Schmidt J, Yagmurlu A, Arnold DH, Cartner S. Antibiotic Induced Mesenteric Adenopathy in an Intussusception Mouse Model. *Pediatric Gastroenterology and Nutrition*. 2005; 41(1): 39-43
54. Arnold DH, **Spiro DM**, Desmond RA, Hagood JS. Non-invasive estimation of airway obstruction using pulse oximeter plethysmograph waveform indices. *Respiratory Research*. 2005; 6:65: 1-8
55. Spiro CE and **Spiro DM**. Acute Meningitis: Focus on Bacterial Infection. *Clinician Reviews*, Feb 2006: 14(3): 53-59
56. **Spiro DM**, Arnold DH, Johnston C, Baldwin S. Tympanometry to Determine Outcome Differences in Otitis Media: Randomized, Controlled Trial. *Pediatrics*. 2004;114:177-181
57. **Spiro DM**, Arnold DH, Barbone FB. Association of Antibiotic Use and Intussusception. *Archives of Pediatrics and Adolescent Medicine*, January 2003; 157: 54-59

#### NON-PEER REVIEWED

1. **Spiro DM**, Bryan RE, Bryan J. “When is Enough Really Enough?” *Currents*, Quarterly Newsletter of the American Heart Association, June 2007
2. **Spiro DM**, Lowe RA. Thinking Big. *Ann Emerg Med*. 2006; 48(4): 480
3. Spiro CE, **Spiro DM**. Acute Meningitis: Focus on Bacterial Infection. *Clinician Reviews*, March 2004;14(3): 54-59
4. Spiro DM. A Piece of My Mind: A Little Bit Longer. *JAMA*. 290(6):716, Aug 2003

#### BOOK CHAPTERS

1. Kidd, R, **Spiro DM**, Arnold DH. Chapter 31. Otitis Media. *Pediatric Infectious Diseases, Essentials for Practice*. McGraw Hill Press. 2019. Pages 255-261.
2. **Spiro, DM**. Titanelli’s Emergency Medicine, Just the Facts, 3rd Edition. Chapter 70: Common Infections of the Ears, Nose, Neck and Throat. In press
3. **Spiro DM**. Titanelli’s Emergency Medicine Manual, 7th Edition. Chapter 68: Common Infections of the Ears, Nose, Neck and Throat. June, 2012
4. **Spiro DM**. Titanelli’s Emergency Medicine Manual, 7th Edition. Chapter 68: Common Infections of the Ears, Nose, Neck and Throat. June, 2012
5. Arnold DH, **Spiro DM**. Section Co Author. Chapter: Otitis Media with Effusion. *Berman’s Medical Decision Making in Pediatrics*, 5th Edition, July, 2011.
6. Arnold DH, **Spiro DM**. Section Co Author. Chapter: Mastoiditis. *Berman’s Medical Decision Making in Pediatrics*, 5th Edition, July, 2011.
7. **Spiro DM**, Arnold DH. Section Co-Author: Chapter: Otitis Media. *Berman’s Medical Decision Making in Pediatrics*, 5th Edition, July, 2011.
8. Arnold DH, **Spiro DM**, Langan ML. Section Co-author: “Chapter 120: Wheezing in Infants and Children” Titanelli et al Editors. 2010

## EDITOR

1. **Spiro DM**. ReelDx Case Studies. 2014-present. [www.reeldx.com](http://www.reeldx.com)
2. **Spiro DM**, Daya M. Cancer Emergencies. Hematology-Oncology Clinics of North America, Volume 24, Issue 3, Pages 487-668 (June 2010)
3. **Spiro, DM**, Daya, M. "Cancer Emergencies, Volume 2." Emergency Medicine Clinics of North America. August 2009

## ELECTRONIC PUBLICATIONS

1. **Spiro DM**, Oden J, Memoirs in Medicine Podcast, 2024
2. **Spiro DM**, HuMed Podcast – Human Medicine, 2025-pres.
3. **Spiro DM**. Section Author: "Thromboembolism". PEM Soft – The Pediatric Emergency Medicine Software, [www.pemsoft.com](http://www.pemsoft.com), 2007 Update
4. **Spiro DM**. Section Author: "Malignant Hyperthermia", PEM Soft – The Pediatric Emergency Medicine Software, [www.pemsoft.com](http://www.pemsoft.com), 2007 Update
5. **Spiro DM**. Section Author: "Systemic Inflammatory Response Syndrome", PEM Soft – The Pediatric Emergency Medicine Software, [www.pemsoft.com](http://www.pemsoft.com), 2007 Update
6. **Spiro DM**. Otitis Media. *Kidcheck: an Interactive Guide to Children's Health, CD-ROM*. Editor: Carden Johnston, MD. 2002

## ABSTRACTS

1. Poster, **Spiro DM**, Arnold DH, Barbone F. The Association Between Antibiotic Use and Intussusception. Presented at the Pediatric Academic Societies' Meeting, Baltimore, Maryland: May 2002
2. Poster. **Spiro DM**, Arnold DH, Barbone F. The Association Between Antibiotic Use and Intussusception. Presented at the International Society for Pharmacoepidemiology Annual Meeting, Edinburgh, Scotland: August 2002
3. Poster. **Spiro DM**, Schmidt J, Arnold DH, Cartner S, Yagmurlu A. Antibiotic Induced Mesenteric Adenopathy in an Intussusception Mouse Model. Presented at the Pediatric Academic Societies' Meeting, Seattle, Washington: May, 2003
4. Platform. **Spiro DM**, Arnold DH, Johnston C, Baldwin S. Tympanometry to Determine Outcome Differences in Otitis Media: A Randomized, Controlled Trial. Presented at the Pediatric Academic Societies' Meeting, Seattle, Washington: May, 2003
5. Poster. Eppich, WJ, **Spiro, DM**. Integration of Human Patient Simulation into a Pediatric Advanced Life Support Course for Community Practitioners. Presented at the 5th International Meeting on Medical Simulation, ami, Florida: January 2005
6. Platform. **Spiro, DM**. A Wait and See Prescription for Acute Otitis Media: A Randomized, Controlled Trial Presented at the Eastern Society for Pediatric Research, Greenwich, Connecticut: May 2005
7. Platform. **Spiro DM**, Tay K, Baker MD, Shapiro ED. A Wait and See Prescription for Acute Otitis Media: A Randomized, Controlled Trial Presented at the Pediatric Academic Societies' Meeting, Washington DC: May 2005
8. Platform. **Spiro DM**, Tay K, Baker MD, Shapiro ED. A Wait and See Prescription for Acute Otitis Media: A Randomized, Controlled Trial. Presented at the Society for Academic Emergency Medicine Annual Meetings, New York City, New York: May 2005
9. Poster. Arnold DH, **Spiro DM**, MD, Desmond RA, DVM, Hagood JS. Non-invasive estimation of airway obstruction using pulse oximeter plethysmograph waveform indices. Presented at the Pediatric Academic Societies Meeting, Washington DC: May 2005
10. Poster. Arnold DH, Sheller J, LaFleur B, **Spiro DM**, King P, Hartert TV. Correlation of Pulse Oximeter Estimated Pulsus Paradoxus with Severity of Airflow Obstruction: A Prospective, Observational Analysis Presented at the American Thoracic Society Conference, San Diego, CA: May 2005

11. Poster. Langan M, Zonfrillo MR, Bazy-Asaad A, Dziura J, **Spiro DM**. End Tidal Carbon Dioxide as an Objective, Noninvasive Measurement of Acute Asthma Exacerbations. PAS- SPR. San Francisco, CA. May 2006
12. Poster. Langan M, Zonfrillo MR, Bazy-Asaad A, Dziura J, **Spiro DM**. End Tidal Carbon Dioxide Changes with Bronchodilator Therapy During Acute Exacerbations of Asthma in Children. PAS- SPR. San Francisco, CA. May 2006
13. Poster. Langan M, Zonfrillo MR, Bazy-Asaad A, Dziura J, **Spiro DM**. End Tidal Carbon Dioxide as an Objective, Noninvasive Measurement of Acute Asthma Exacerbations. ESPR. Greenwich, CT. March 2006
14. Platform. Langan M, Zonfrillo MR, Bazy-Asaad A, Dziura J, **Spiro DM**. End Tidal Carbon Dioxide Changes with Bronchodilator Therapy During Acute Exacerbations of Asthma in Children. ESPR. Greenwich, CT. March 2006
15. Poster. Zonfrillo MR, Seiden JA, House EM, Shapiro ED, Dubrow R, Baker MD and **Spiro DM**. The association of body mass index and ankle injuries in children. The 2006 Pediatric Academic Societies' Annual Meeting, San Francisco, CA. May 2006
16. Poster. Zonfrillo MR, Seiden JA, House EM, Shapiro ED, Dubrow R, Baker MD and **Spiro DM**. The association of body mass index and ankle injuries in children. 2006 Society for Academic Emergency Medicine Annual Meeting, San Francisco, CA. May 2006
17. Platform. Zonfrillo MR, Seiden JA, House EM, Shapiro ED, Dubrow R, Baker MD and **Spiro DM**. The association of body mass index and ankle injuries in children. Eastern Society for Pediatric Research Annual Meeting, Greenwich, CT. March 2006
18. Poster/Platform. Choo EK, **Spiro DM**, Lowe RA. Pediatric Emergency Visits before the Diagnosis of Child Abuse. Western States Emergency Medicine Research Annual Meeting, Spring, 2008
19. Platform Presentation. Roberts, M. Zonfrillo M and **Spiro DM**. Body Mass Index of Residents During Post-Graduate Training: A Prospective, Case-Control Analysis. Pediatric Academic Society Meetings. Honolulu, Hawaii, May 2008
20. Poster. Choo EK, **Spiro DM**, Lowe RA. Pediatric Emergency Visits before the Diagnosis of Child Abuse. American College of Emergency Physicians Annual Meeting, October, 2008
21. Poster. Deis, J, **Spiro DM**, Arnold DH. Parental Knowledge and Use of Preventive Asthma Care Measures. Pediatric Academic Societies Meeting, Baltimore, Maryland, May 2009.
22. Poster. Langley D, Hall MK, Meckler GD, **Spiro DM**. Use of Nurse-Administered Propofol in the State of Oregon, Society of Academic Emergency Medicine, New Orleans, LA, May 2009.
23. Poster. Bedside Optic Nerve Sheath Ultrasound Evaluation of Suspected Pediatric Ventricular Shunt Failure in the Emergency Department. American College of Emergency Physicians Meeting, October 2009
24. Poster. Integrating Video Technology In Simulation Education. Meckler GM, Anderson J, Cloutier R, Ellingson T, Yarris L, **Spiro DM**. 3rd International Paediatric Simulation Symposium and Workshops Madrid, Spain, September 2010.
25. Platform Presentation. Welker M, Newgard C, Zive D, Tith S, **Spiro DM**. Use Of An Observation Option And Analgesic Medications For Acute Otitis Media In The Emergency Department. Western Regional SAEM Meeting, Keystone Colorado, February 26, 2010.
26. Platform Presentation. The Location of Emergency Department Visits for Injured Children. Fleischmann, R, **Spiro DM**. Hansen M. Newgard C. Society for Academic Emergency Medicine, Boston, MA. June 4, 2011.
27. Platform Presentation. Wandell, M, **Spiro DM**, Copeland K., Brown M. Simon, H. Huckins D, Blumenstein B. Physician Clinical Impression Compared to a Novel Clinical Decision Rule for Use in Sparing Pediatric Patients with Signs and Symptoms of Acute Appendicitis Exposure to Computed Tomography. 15th Annual Western Regional SAEM Research Forum, Las Vegas, Nevada. March 17th, 2012
28. Platform Presentation. A Novel BioMarker to Rule Out Acute Appendicitis in Pediatric Patients with Abdominal Pain. Wandell, M, **Spiro DM**, Copeland K., Brown M. Simon, H. Huckins D, Blumenstein B. 15th Annual Western Regional SAEM Research Forum, Las Vegas, Nevada. March 17th, 2012.
29. Poster. Evaluation of a Novel Pediatric Appendicitis Pathway Using High and Low Risk Scoring Systems. Fleischmann, R, **Spiro, DM**. Society for Academic Medicine, Chicago, ILL. May 12, 2012.
30. Poster. Low-Dose Propofol for Abortive Treatment of Pediatric Migraine. Sheridan, D., **Spiro DM**, Koch T, Meckler G. Boston, MA. May 1, 2012.

31. Poster. Bridging the Border in Pediatric Emergencies – A Pacific Northwest Collaboration Platform. Goldman, R. Meckler G. Brown, J. **Spiro DM**. Klein, E. CAB IV: Interprofessional Collaboration: Transformative Change from the Classroom to Practice conference, Vancouver, BC, Canada on June 12 - 14, 2013
32. Poster. Comparison Between a Former and Current Emergency Room Protocol for Treatment of Fever in Potentially Neutropenic Children on Chemotherapy.” Lamble, A. **Spiro DM**, Stork L. American Society of Pediatric Hematology/Oncology, April 24-27, 2013, Miami, FL.
33. Presentation. Test Characteristics of Quick-Brain MRI for Shunt Evaluation in Children: A New Modality To Avoid Unnecessary Radiation. Yue, E. **Spiro DM**. Pediatric Academic Societies Meeting, May 2013, Washington DC.
34. Presentation. Test Characteristics of Quick-Brain MRI for Shunt Evaluation in Children: A New Modality to Avoid Unnecessary Radiation. Yue, E. **Spiro, DM**. Society for Academic Emergency Medicine, May 2013, Atlanta GA.
35. Poster. Diagnostic Testing and Treatment of Pediatric Headache in the Emergency Department. Sheridan, D. Hansen, M. **Spiro DM**, Meckler GD. Pediatric Academic Societies Meeting, May 2013, Washington DC.
36. Poster. Evaluation of a Novel Clinical Guideline Utilizing Empiric Antimicrobial Treatment of Fever in Potentially Neutropenic Children. Lamble A, Stork L, **Spiro DM**. Pediatric Academic Societies Meeting, May 2013, Washington DC.
37. Presentation. Test Characteristics of Quick-Brain MRI for Shunt Evaluation in Children: A New Modality To Avoid Unnecessary Radiation. Yue, E. **Spiro, DM**. American Academy of Pediatrics. Oct., 2013, Orlando, FL.
38. Poster. Psychiatric Utilization of the Pediatric Emergency Department. Sheridan D, **Spiro DM**, Hansen M. Pediatric Academic Societies Meeting, May 2014 Vancouver, Canada.
39. Poster. Psychiatric Utilization of the Pediatric Emergency Department. Sheridan D, **Spiro DM**, Hansen M. Society of Academic Emergency medicine, May 2014 Dallas, TX.
40. Presentation. Balanced Crystalloid or Saline in Pediatric Gastroenteritis: A Randomized Controlled Trial. Allen C, **Spiro DM**, et al. Society of Academic Emergency medicine, May 2014 Dallas, TX.
41. Oral Presentation. Didier, R. **Spiro DM**, et al. Rapid multiparametric MRI without contrast or sedation in the diagnosis of pediatric appendicitis. Pacific Association of Pediatric Surgeons, Alberta, Canada April 24-29.
42. Oral Presentation. Sheridan DS, **Spiro DM**. Impact of an Inpatient Psychiatric Unit on Pediatric Emergency Mental Health Care. American Academy of Pediatrics. San Diego, CA OCT 10, 2014.
43. Poster. April Clawson, Thomas Abramo, **Spiro DM**, Tonya Thompson. Does the Clinical Prediction Rule Accurately Identify Febrile Infants as Low Risk for Serious Bacterial Infection. Pediatric Academic Societies Meeting, Philadelphia, PA, May 2020 (Mtg Cancelled)
44. Oral Presentation. Palaniappan, A. **Spiro DM**, Quang L. The Effects of Racemic Epinephrine in Bronchiolitis. Mid-Atlantic Society for Academic Medicine, George Washington University, Washington DC February 2020.
45. Oral Presentation. Utility of Shunt Series in the Evaluation of Shunt Dysfunction. Chacko, J. **Spiro DM**, Arthur J. American College of Emergency Physicians Conference, Oct 2, 2022.
46. Oral Presentation. The oblique view approach as an alternative for ultrasound–guided peripheral intravenous line placement. Society for Academic Emergency medicine. Austin, TX May 17-19, 2023.
47. Oral/Poster presentation. Howard, L. **Spiro D**, Mak RP. Early Administration of Ondansetron in the Pediatric Emergency Department. American College of Emergency Physicians Annual Meeting. Oct 10, 2023.
48. Oral presentation. Wadell R, **Spiro DM**. Gender identity and gender dysphoria in adolescent patients presenting to Pediatric Emergency Department with positive behavioral health screens. American College of Emergency Physicians Annual Meeting. Sept 30, 2024.
49. Oral presentation. Fischer, L, **Spiro DM**. Characteristics and Length of Stay in Children with Bronchiolitis With and Without Intravenous Hydration. American College of Emergency Physicians Annual Meeting. Sept 29, 2024.
50. Oral presentation. Clawson, A, **Spiro DM**. Strategic Initiatives to Manage a Pediatric ED with Less Residents. American College of Emergency Physicians Annual Meeting. Oct 1, 2024.

51. Oral Presentation. Steed, Z, **Spiro DM**. Evaluating differences in documentation between residents in different training programs in a Pediatric Emergency Department using a novel grading tool. American College of Emergency Physicians Annual Meeting. Oct 1, 2024
52. Poster Presentation. Scarbrough, M, **Spiro DM**. Degloving of the Arm due to a Bite from a Horse in a Child. Society of Southern Pediatric Research. New Orleans, LA Feb 14, 2025.
53. Oral Presentation. Hooten N, Williamson J, **Spiro DM**. Improving Lumbar Puncture Success in Early Infancy Using Ultrasound-Assisted Landmark Identification – A Work In Progress. Southern Society for Pediatric Research, New Orleans, LA Feb 26, 2026.
54. Poster Presentation. Hooten N, Williamson J, **Spiro DM**. P2 PEM US Conference, Hartford, CT March 14,15

## OTHER PUBLICATIONS / MEDIA

1. Reviewer, Oregon Crisis Care Guidance, State of Oregon Emergency Preparedness Committee, OCT 2013
2. Blog Author - Doernbecher Healthy Families Blog "Teen Texting"  
<http://www.ohsu.edu/blogs/doernbecher/> Posted July 28, 2013
3. Video Interview KATU TV: Hypothermia: <http://www.katu.com/news/local/Mary-Owen-rescued-from-Mount-Hood-Hope-got-her-through-212871971.html>
4. Interview KXL Radio "Pediatric Drowning", June 6, 2013
5. Interview Fox 12 News, Portland "Pediatric Drowning" June 4, 2013  
<http://www.kptv.com/story/22491867/teen-pulled-from-river-after-30-minutes-underwater-flown-to-hospital>
6. Blog Author - Doernbecher Healthy Families Blog "Prevention of Injuries During Spring Break"  
<http://www.ohsu.edu/blogs/doernbecher/2013/03/22/doernbecher-emergency-room-staff-wish-you-a-safe-injury-free-spring-break/>
7. Blog Author – Doernbecher Healthy Families Blog "Middle ear Infections in Children":  
<http://www.ohsu.edu/blogs/doernbecher/>
8. Blog Author – Doernbecher Healthy Families Blog "Consent Form Improves Emergency Care for Kids":  
<http://www.ohsu.edu/blogs/doernbecher/>
9. Interview KATU TV, "Lightning Injuries", Aired June 9, 2012
10. Primary editor - Doernbecher Children's Hospital/OHSU Pediatric Emergency Department Poster Guide, 3rd Edition
11. Primary editor - Doernbecher Children's Hospital/OHSU Pediatric Emergency Department Pocket Guide, 2nd Edition
12. "How Do I Need to Know When to Take My child to the Emergency Room" OHSU Fall Newsletter, October 2011
13. "Girl, 12, called hero for help in rescuing boy at Long Beach", Seattle times, AUG 11, 2011
14. "First Aid Emergencies For Children," Interview on the Morning Show, KATU TV - Portland, June 1, 2010
15. "What to look for when your child hits her head" (Oregonlive.com)  
[http://blog.oregonlive.com/themombeat/2010/04/what\\_to\\_look\\_for\\_when\\_your\\_chi.html](http://blog.oregonlive.com/themombeat/2010/04/what_to_look_for_when_your_chi.html) "An Emergency Department Just for Kids", Page 12-13, Hero News, Winter 2010
16. "Not Scary", Page 8, Kids Health Annual 2009,
17. "First Aid for Parents", Portland Monthly Magazine, June 2009
18. "Heat Related Injuries" Interview FOX 12, Portland, Oregon
19. "Firework Injuries: The Oregonian Health Section."  
[http://blog.oregonlive.com/themombeat/2009/07/fireworks\\_safety\\_tips\\_as\\_july.html#more](http://blog.oregonlive.com/themombeat/2009/07/fireworks_safety_tips_as_july.html#more)
20. "Trampoline Injuries" The Oregonian Health Section.  
[http://blog.oregonlive.com/themombeat/2009/04/best\\_way\\_to\\_keep\\_kids\\_safe\\_aro.html](http://blog.oregonlive.com/themombeat/2009/04/best_way_to_keep_kids_safe_aro.html)
21. **Spiro DM**, Langley D. "Clinical Pathway: Bronchiolitis." July, 2008
22. "Improving Emergency Care for Children" Quoted in the Scribe, Multnomah County Medical Society Newsletter
23. "When a Fever Means a trip to the doctor". The Oregonian Health Section.  
[http://blog.oregonlive.com/themombeat/2008/06/when\\_a\\_fever\\_means\\_a\\_trip\\_to\\_t.html#more](http://blog.oregonlive.com/themombeat/2008/06/when_a_fever_means_a_trip_to_t.html#more)
24. **Spiro DM**. "Heat Injury." The Oregonian Health Section. <http://blog.oregonlive.com/themombeat/>

25. **Spiro DM**, Langley D. "Pediatric Code White Initiative Protocol for Critically Ill Children", August 2008
26. **Spiro DM**, Meckler GD. "Clinical Pathway: Sepsis." July, 2008
27. **Spiro DM**, Meckler GD. "Clinical Pathway: Asthma." February, 2008]
28. **Spiro DM**, Meckler GD. "Clinical Pathway: Fever & Neutropenia." February, 2008
29. **Spiro DM**, Meckler GD. "Clinical Pathway: Dehydration." February, 2008
30. **Spiro, DM** (quoted). "Healing Kids Cuts." Parents Magazine, November 2007. Page 50
31. **Spiro, DM**. "Sinus Study: Antibiotics Over-prescribed". Quoted by the Associated Press, International News Coverage of New Study, March 19, 2007
32. **Spiro DM**. "Bike Helmet May have Saved Vancouver Girl". KOIN News 6 Television Interview from the Pediatric Emergency Department, April 2, 2007
33. **Spiro DM**. "Bee Stings: Prevention and Treatment". Radio Interview, Sunday Magazine Show, KEX Radio Portland, Oregon. Aired July 29, 2007
34. **Spiro DM**, Langley D, Meckler G. OHSU Doernbecher Pediatric Emergency Department Emergency Management Guide – 2nd Edition, State-wide Poster for Outpatient Locales that serve children, August, 2007
35. **Spiro DM**, Tay K, Arnold DH, Dzuira J, Baker MD, Shapiro ED. Wait and See Prescription for Acute Otitis Media: A Randomized Controlled Trial. JAMA Video Interview Distributed to > 700 Television Stations, CNN on September 12, 2006 and aired Nationally September 13th, 2006. Article was featured as a Cover article for The Oregonian. Listed on > 50 health-related web sites

## **INVITED LECTURES, CONFERENCE PRESENTATIONS OR PROFESSORSHIPS INTERNATIONAL AND NATIONAL**

1. The Association Between Antibiotic Use and Intussusception. Presented at the International Society for Pharmacoepidemiology Annual Meeting, Edinburgh, Scotland: August 2002
2. "The Judicious Use of Antibiotics in Children in the Emergency Department" Department of Emergency Medicine Grand Rounds, Oregon Health & Science University, 8/10/05
3. Invited Monthly Guest Speaker: Author in the Round: "Wait and See Prescription for Acute Otitis Media, A Randomized, controlled Trial", 10/18/2006
4. Invited Guest Speaker: "Wait and See Prescription for Acute Otitis Media, What's the Evidence?, 2nd Annual Pediatric Update, Oregon Health and Science University, Doernbecher Children's Hospital, December 2006
5. Invited Speaker, Wait and See prescriptions for the Treatment of Acute Otitis Media: Benefit or Harm? 9th International Symposium on Recent Advances In Acute Otitis Media, St. Petersburg, Florida. June 2007
6. Invited Speaker, Meet the Expert. Pros and Cons of Delayed Treatment for Acute Otitis Media, 47th Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago, IL Sep. 2007
7. Guest Faculty, " Airway and Simulation, 6th Annual Western States Winter Conference on Emergency Medicine, Park City, Utah. February 2008
8. Guest Faculty, Pediatric Advanced Life Support Update, 6th Annual Western States Winter Conference on Emergency Medicine, Park City, Utah. February, 2008
9. Invited Faculty, Pediatric Emergency Medicine Visual Diagnosis, American Academy of Pediatrics Annual Meeting, Boston, Massachusetts, October 12, 2008
10. Invited Faculty, Improving Clinical Care Through Philanthropy, Pacific Northwest Pediatric Emergency Medicine Consortium, Vancouver, British Columbia, Canada, January 17, 2009
11. Invited Faculty, Tricks of the Trade: Removal of Foreign Bodies, Pacific Northwest Pediatric Emergency Medicine Consortium, Vancouver, British Columbia, Canada, January 17, 2009
12. Grand Rounds Speaker, Delayed Prescription for Acute Otitis Media – What's the Evidence? San Francisco General Hospital, San Francisco, California, February 5, 2009
13. Guest Faculty, Pediatric Emergency Medicine Visual Diagnosis, UCSF, University of California San Francisco Department of Pediatrics, February 5, 2009
14. Invited Lecture, Pediatric Case Presentations, Plenary Lecture, Primary Care Update, Spokane, Washington, May 1, 2009

15. Invited Faculty, Pediatric Visual Diagnosis in the Clinic, Hospital and Emergency Department, American Academy of Pediatrics Annual Meeting, Washington DC, October 19, 2009
16. Platform Presentation, Dream Big: Creating a Family Centered Pediatric Emergency Department, National Association of Children's Hospitals and Related Institutions Annual Meeting, San Diego, California, March 10, 2010
17. Invited Lecture, Pediatric Case Presentations, Plenary Lecture, Primary Care Update, Spokane, Washington, April 30th, 2010
18. Invited Lecture, Pediatric Fever Through the Ages, Plenary Lecture, Primary Care Update, Spokane, Washington, April 30th, 2010
19. Education Session, Incorporating Visual Diagnosis as An Educational Strategy, Society for Academic Emergency Medicine Annual Meeting, Phoenix, AZ, June 3, 2010
20. Invited Faculty, Pediatric Visual Diagnosis in the Clinic, Hospital and Emergency Department, American Academy of Pediatrics Annual Meeting, San Francisco, CA, October 3&4, 2010
21. Invited Grand Rounds Lecture, Management of Fever in Childhood, Norwalk Hospital, Norwalk, Connecticut, February 15, 2011
22. Co-presenter, Incorporating Video-diagnosis in Simulation. Pediatric Academic Societies Meeting, Denver, CO, May 2, 2011
23. Co-presenter and Pediatric Emergency Medicine SIG Leader, Faculty Compensation: A Conversation Across Facilities, Pediatric Academic Societies Meeting, Denver, CO, May 2, 2011
24. Invited Speaker, PEM Visual Diagnosis, Vanderbilt University Department of Emergency Medicine, February 21, 2013
25. Invited Speaker, Grand Rounds - PEM Visual Diagnosis, Norwalk Community Hospital, Norwalk, CT, September 24, 2013
26. Invited speaker, REACHair/Women's Hospital Regional Pediatric Conference, Video-Visual Diagnosis, Houston, TX, October 24, 2014
27. Invited Speaker, Alaska EMS Conference, Real Patient Video Diagnosis, Anchorage, AK November 7, 2014
28. Invited Speaker, EMSWorld Annual Conference, Real Patient Video Diagnosis, Nashville, TN, NOV 13, 2014
29. Invited Speaker, Ambulance Association of America Annual Conference, Real Patient Video Diagnosis, November 19, 2014
30. Invited Lecture, Pediatric Case Presentations, Plenary Lecture, Primary Care Update, Spokane, Washington, May 1st 2020
31. Invited Speaker, EMS Real Patient Video Visual Diagnosis. EMS World Annual Conference. NOV 12, 2014
32. Keynote Speaker. EMS Video-Visual Diagnosis, American Ambulance Association, Las Vegas, NV Nov 19, 2014
33. Invited Speaker: Real Patient Pediatric Video Diagnosis. 37<sup>th</sup> Annual Primary Care Conference. Spokane, WA (Via remote due to COVID), May 1, 2020
34. Invited Speaker: EMS Outreach; Webinar – Video Visual Diagnosis. Dec 15, 2021
35. Invited Speaker: EMS Outreach; Webinar – Video Visual Diagnosis. March 15, 2022
36. Invited Speaker, NAEMT Webinar: Stroke – Video Visual Diagnosis March 15, 2022
37. Invited Speaker, Real Patient Video Visual Diagnosis Cases, UNLV SOM Pediatric Emergency medicine Fellows Conference, Las Vegas, NV April 28, 2022
38. Invited Speaker: Real Patient Video Visual Diagnosis Cases, 39<sup>th</sup> Annual Primary Care Conference. Spokane, WA April 29, 2022
39. Invited Speaker, National Association of EMS Educators Annual Meeting, Louisville, KY August 5, 2022
40. Invited Speaker, Video-Visual Diagnosis, Emergency Nurse Association Annual Meeting, Denver CO OCT 3, 2022,
41. Co-Host, Reel Emergency Vodcast Series – ongoing 2022-present (16 episodes+):  
[https://www.youtube.com/channel/UCBvKp7Na23H83dPVp\\_bfV1Q](https://www.youtube.com/channel/UCBvKp7Na23H83dPVp_bfV1Q)
42. Invited Speaker, Chat GPT as a Virtual Patient, American Association of College of Nurses Annual Meeting, Orlando, FL Dec 1, 2023
43. Invited Speaker, The Potential of Artificial Intelligence in Enhancing EMS Education, Las Vegas, NV. September 13, 2024

44. Oral Presentation, "Pour Some Sugar on Me", Block, J, **Spiro DM**. Southern Society for Pediatric Research, New Orleans, LA February 13, 2025
45. Poster Presentation, Degloving of the Arm from a Horse Bite, Scarbrough M, **Spiro DM**. Southern Society for Pediatric Research, New Orleans, LA February 13, 2025
46. Evaluating Differences in Documentation between Residents in Different Training Programs in a Pediatric Emergency Department using a Novel Grading Tool. Steed Z, **Spiro DM**. Southern Society for Pediatric Research, New Orleans, LA February 13, 2025
47. Invited speaker, Revolutionizing Medical Education Using AI Powered Interactive Patients, American Association of Colleges of Osteopathic Medicine, Arlington, TX, April 10, 2025
48. Invited Grand Rounds Speaker, University of Manitoba, Department of Pediatrics. Video Visual Diagnosis. March 5, 2026.
49. Invited Grand Rounds Speaker, University Chicago Department of Pediatrics, The Past, Present and Future of Pediatric Emergency Medicine, April 9, 2026

## REGIONAL AND LOCAL

1. The Judicious Use of Antibiotics in Children: An Emergency Medicine Perspective, Focus on Children Conference, Birmingham, Alabama, 3/2003
2. The Judicious Use of Antibiotics in Children in the Outpatient Setting, Department of Pediatrics Grand Rounds, Saint Mary's Hospital, Waterbury, CT 2/4/04
3. The Judicious Use of Antibiotics in Children in the Outpatient Setting, Department of Pediatrics Grand Rounds, Hospital of Saint Rafael's, CT, 3/19/04
4. The Judicious Use of Antibiotics in Children in the Outpatient Setting, Department of Pediatrics Grand Rounds, Lawrence and Memorial Hospital, CT, 11/15/04
5. Platform presentations – Pediatric Emergency Medicine, Moderator Eastern Society for Pediatric Research, 3/5/05
6. The Judicious Use of Antibiotics in Children in the Outpatient Setting, Department of Pediatrics Grand Rounds, Bridgeport Hospital, 4/13/05
7. The Judicious Use of Antibiotics in Children in the Emergency Department", Department of Emergency Medicine Grand Rounds, OHSU, 8/10/05
8. Advances in Pediatrics: Current Practice at Yale Seminars "Pediatric Advanced Life Support Simulation Scenarios", Department of Pediatrics, Yale University School of Medicine, 10/1/05
9. Advanced Trauma Life Support, "Shock" Department of Surgery, Yale University School of Medicine, 9/28/05
10. Grand Rounds. Yale University, Department of Emergency Medicine, "Altered Mental Status".
11. Department of Pediatrics, OHSU, Annual Update and Continuing Medical Education for the Pediatrician, "Wait and See Prescriptions for Otitis Media - What's the evidence", December 2007
12. Pediatric Advanced Life Support, State-wide Roll-out of New Course Material, Portland Community College, Invited Instructor Trainer "Pediatric Cardiac Arrhythmias", February 12, 2007.
13. Invited Speaker, Doernbecher Children's Hospital Foundation Annual Board Meeting, "Pediatric Emergency Medicine at OHSU", March 14, 2007
14. Guest Lecturer, Physician Assistant Pediatric Core Curriculum, "Case Based Pediatric Emergency Medicine: Visual Diagnosis", April 6, 2007
15. Invited Speaker, "The New Pediatric Emergency Department at OHSU", Doernbecher Annual Auction in Douglas County, Roseberg, Oregon August 17, 2007
16. Invited Speaker, Kaiser Pediatrics Staff Meeting, "The New Pediatric Emergency Department at OHSU", Portland, Oregon September 5, 2007
17. Invited Speaker, Doernbecher Children's Hospital Foundation, Heart of Doernbecher Auction Committee, "The New Pediatric Emergency Department at OHSU" October 2, 2007
18. Invited Speaker, Visual Diagnosis from the Pediatric Emergency Department, Plenary Session, 3<sup>rd</sup> Annual Pediatric CME Conference, Portland, Oregon. November 30, 2007

19. Invited Speaker, "Head Injuries in Children." The 6th Annual Pacific Northwest Brain Injury Conference 2008, Portland, Oregon. March 1, 2008
20. Invited Speaker, "Pediatric Fever", Seminars in Global Health, OHSU, October 30, 2008
21. Invited Speaker, Visual Diagnosis from the Pediatric Emergency Department, Emergency Medicine Services for Children Annual Conference, February 28, 2009
22. Invited Speaker, Visual Diagnosis from the Pediatric Emergency Department, 2009 Spring Medical Update, Oregon Society of Physician Assistants, April, 2009
23. Invited Speaker, Visual Diagnosis from the Pediatric Emergency Department, 2009 Pediatric Conference Update, St. Vincent Hospital, September 2009
24. Invited Speaker, Acute Otitis Media, 2009 Pediatric Conference Update, St. Vincent Hospital, September, 2009
25. Invited Speaker, Visual Diagnosis from the Pediatric Emergency Department, 2009 Oregon Emergency Medicine Service Conference, Portland, Oregon, October, 2009
26. Invited Speaker, Pediatric Emergency Department Update, Friends of the Doernbecher Children's Hospital Foundation Board Meeting, January 21, 2010
27. Invited Speaker, Pediatric Emergency Medicine Visual Diagnosis, Portland Pediatric Society Meeting, February 4, 2010
28. Invited Speaker, Respiratory Cases: Video-Visual Diagnosis, Emergency Medical Services for Children 10th Annual Meeting, Eugene, Oregon, May 22, 2010
29. Invited Speaker, "Pediatric Cardiology Emergencies", EMS Cardiology Conference, Oregon Health and Science University, Portland, Oregon. September 7, 2010
30. Invited Speaker, "PEM Visual Diagnosis", REACH on Tour EMS talks, Salem, Oregon, September 10, 2010
31. Invited Grand Rounds Speaker, "Video-Visual Diagnosis: Out Best Cases and Use as an Educational Tool", Department of Pediatrics, February 10, 2011
32. Invited Speaker, "Pediatric Trauma Cases", St. John Medical Center, Longview, Washington March 29, 2011
33. Invited Speaker, "The Path to a Career in Medicine", Speaker to Franklin High School Students, Americorps Program, April 6, 2011
34. Invited Speaker, "Pediatric Head Injuries: What you Need to Know", 22nd Annual Northwest States Trauma Conference, Bend, Oregon, April 15, 2011
35. Invited Speaker, Pediatric Fever. Pacific University Physician Assistant Program. Hillsboro, OR. May 9, 2011
36. Invited Speaker, Visual Diagnosis from the Pediatric Emergency Department, Plenary Session, 6<sup>th</sup> Annual Pediatric CME Conference, Portland, Oregon. May 20, 2011
37. Invited Speaker, Video-Visual Diagnosis, Legacy Emmanuel Pediatric Emergency Medicine Fellows Conference, December 9, 2011
38. Invited Speaker, Peace Health Grand Rounds, Eugene: What's new in URI's? An update. January 30, 2012
39. Invited Speaker, Video-Diagnosis Cases, The Children's Clinic Peter Kort, Portland, OR January 31, 2012
40. Invited Speaker, Video-Diagnosis Cases, Broadway Pediatric Clinic, Portland, OR February 3, 2012
41. Invited Speaker, Video-Diagnosis Cases, Children's Clinic Tualatin, Portland, OR February 16, 2012.
42. Invited Speaker, Pediatric Fall Injuries. Northwest States Trauma Conference, Bend, Oregon. May 10, 2012
43. Invited Speaker, Pediatric Fever. Pacific University Physician Assistant Program. Hillsboro, OR. May 7, 2012
44. Grand Rounds Speaker, Department of Pediatrics: "Interesting Cases from the Pediatric Emergency Department", June 14, 2012
45. Invited Speaker, Pediatric Closed Head Injuries, Kaiser Pediatric Lecture Series, OHSU, October 12, 2012
46. Invited Speaker, "Visual Diagnosis Cases", Nurse Practitioner Graduate Program, Pediatric Series, January 8, 2013
47. In Situ Simulation Experience "Anaphylaxis" and "Seizure", Child Health Associates of Salem, February 2, 2013
48. Invited Speaker, Pediatric Cases, OHSU Physician Assistant Program Core Pediatrics Curriculum March 19, 2013
49. Invited Speaker, Pediatric Visual Diagnosis. Pacific University Physician Assistant Program. Hillsboro, OR. April 10, 2013

50. Invited Speaker, Oregon College of Emergency Physicians (OCEP). Pediatric Emergency Medicine Visual Diagnosis. January 28, 2014.
51. Invited Speaker, Pediatric Emergency Medicine Visual Diagnosis, Nurse Practitioner Program, Oregon Health and Science University, February 4, 2014
52. Invited Speaker, Pediatric Emergency Medicine Visual Diagnosis, American Medical Student Association Annual Meeting, New Orleans, LA, March 8 2014
53. Grand Rounds Speaker, Real Patient Video Diagnosis, Department of Pediatrics, Oregon Health and Science University, October 2, 2014
54. Invited Speaker, Real Patient Video Visual Diagnosis, REACH Air Conference, Houston, TX OCT 24, 2014
55. Invited speaker. Real Patient Video Visual Diagnosis, Alaska State EMS Convention, Anchorage, AK Nov 8, 2014
56. Invited speaker "Wellness", Faculty Day, ACH/UAMS, April 19, 2023
57. Invited speaker, "Real Patient Cases – Abdominal Emergencies" – Brigham Young University NP Program, January 31, 2024
58. Invited speaker "Wellness", Faculty Day, ACH/UAMS, February 20, 2024
59. Invited Speaker, FDIC International Conference, Real Patient Video Visual Diagnosis, Indianapolis, IN April 18, 2024
60. Invited Speaker, Pediatric Emergency Medicine Update, Department of Pediatrics Faculty Meeting, April 24, 2024
61. Invited Speaker, Emergency Medicine Interest Group, UAMS Medical School, February 24, 2024
62. Invited Speaker, JEMS Webinar – Pediatric Video-Visual Cases, July 22, 2024
63. Invited Speaker, "Sleep Hygiene for EM Providers", PEM Faculty Day, ACH/UAMS, Oct 16, 2024
64. Invited Speaker, "APRN Pearls", APRN learning sessions, Feb 26, 2024
65. Invited Speaker, "Shock", PEM Fellow Lecture, ACH/UAMS, August 6, 2025

## **EDITORIAL AND AD HOC REVIEW ACTIVITIES**

Pediatrics	2004 to pres.
Academic Emergency Medicine	2005-2012
Pediatric infectious Disease Journal	2005-2006
Pediatric Research	2006
Annals of Emergency Medicine	2006-2008
JAMA	2006 to pres.
Journal of Pediatrics	2007 to pres.
Pediatric Emergency Care	2011-2012
Emergency Medicine Journal	2011

## **COMMUNITY SERVICE**

Member Coach (squash), Multnomah Athletic Club, Portland, Oregon	2006-2013
Parent Volunteer, Stafford Elementary School, West Linn, Oregon	2007-2007
Parent Volunteer, Portland Jewish Academy, Portland, Oregon	2008-2010
Medical Director (Volunteer), B’Nai B’rith Camp, Lincoln City, Oregon	2011-2017
Board Member, B’Nai B’rith Camp, Lincoln City, Oregon	2012-2017
Chair, Squash Committee, Multnomah Athletic Club	2017-2019

## **TEACHING**

Although a significant portion of my academic schedule is spent performing clinical duties, administration and scholarship, I find teaching to be a rewarding aspect of my career with all learners from first year medical students to senior residents in Emergency Medicine and Pediatrics.

Much of my teaching occurs in non-clinical venues, such as small groups, lecture sessions, advising meetings, and labs. Although my target audience is most often medical students and residents, I educate other health professionals such as physician assistant or paramedic students. An equally important environment for my teaching is the emergency department, where I attend as a faculty member.

I see patients together with medical students, emergency medicine residents, family medicine residents and pediatrics residents. With every patient encounter, I interview and examine each patient primarily, as well as interact with the learner evaluating, information gathering, and medical reasoning. In addition, I assist the resident in formulating a differential diagnosis and management plan to optimize patient care.

Mentoring students and residents is another important part of my teaching responsibilities. Unlike formal didactic teaching or bedside teaching in the ED, my time mentoring involves guidance on career development decisions and an opportunity to stay involved with medical education at all levels. Working with mentors is always bi-direction: the mentor is also a mentee. Some of my relationships with students and residents have led to substantive research projects, some of which have led to published manuscripts

## **SCHOLARSHIP OF TEACHING**

### **CURRICULUM DEVELOPMENT AND INSTRUCTIONAL DESIGN**

#### 1994 to 1999 Rural Health Elective (OHSU):

My initial academic experience at OHSU was as a Clinical Assistant Professor and Clinical Associate Professor of Pediatrics while working in rural Oregon. It was during this time I worked with medical students, Residents in Pediatrics and Physician Assistant students from the OHSU School of Medicine. After promotion to Associate Clinical Professor I elected to pursue further subspecialty training in Pediatric Emergency Medicine.

#### 2003 to 2006 Clinical Rotation in Pediatrics and Pediatric Emergency Medicine (Yale University):

During my Faculty Appointment at Yale I was given the opportunity to direct the Education of the Physician Assistant Students during their Pediatric Rotation. Upon taking over as course director, I revamped the curriculum to include standardized lectures, a validated exam, and an oral exam component. I updated the assigned reading each year to ensure currency. I restructured the rotation so that students work consistently with a core group of faculty, improving student satisfaction and enabling us to double the number of students who can do the rotation. I reviewed feedback and fine-tuned the clinical experience for the students. I administered their schedules, and rounded monthly in small groups.

#### 2003 to 2014 Medical Director, Pediatric Advanced Life Support: (Yale, OHSU)

I recognized the need to offer PALS to the community provider. The current two-day course is a significant part of the course material is not relevant to the community provider in the outpatient setting. Working with the Continuing Medical Education (CME) office at Yale, I developed the 1st Community PALS Class taught nationwide. Observers from the Regional American Heart Association office are interested in replicating this course nationally. We are now in our 3rd year of teaching this innovative class at Yale, and plan to teach this class at OHSU/Doernbecher.

PALS at OHSU teaches over 50 courses per year to residents, faculty, nurses and the community. Our program now is fiscally positive so we may purchase new equipment for on-going instruction. As Oregon regional PALS faculty, I will begin to evaluate other programs across the state to ensure high quality education.

#### 2006 to 2012 Pediatric Simulation Program, Department of Pediatrics, (OHSU):

We have developed a monthly pediatric simulation for the Department of Pediatrics Residents. This is a multi-disciplinary program consisting of faculty from general pediatrics, critical care, neonatology and the pediatric hospitalist programs. Simulations of critically ill children have been developed at multiple settings throughout the hospital to allow for residents to engage in meaningful, hands on clinical care using advanced simulation techniques. These sessions are digitally recorded for review and analyses. Similar digital recordings and enhancements have been supplemented to the Emergency Medicine Resident Pediatric Simulation series that we attend monthly in the Emergency Department.

2005 to 2014 Pediatric Emergency Medicine Nursing Program, (OHSU):

I have recognized the need to develop a core group of nurses that will primarily take care of children. With the support and collaboration of the ED Nursing Administration, we have formed the first group of nurses that will specifically receive pediatric care and work exclusively in Pediatrics. This group meets monthly to discuss cases and has been charged with creating evidence-based clinical care guidelines for common pediatric conditions such as neonatal fever. We meet quarterly with this group for pediatric simulation training. Our ultimate goal is for this group to provide pediatric nurse leadership as we transition to a 24-hour facility dedicated to the emergent care of children.

2006-2014 Pediatric Emergency Medicine Education, Department of Emergency Medicine (OHSU)

Along with colleagues we have revamped the curriculum for these monthly, 4-hour educational sessions for the emergency medicine residents. I attend these sessions monthly and help mentor resident presentations for M&M and journal club. These sessions include:

- 8 am Morbidity and Mortality (3 cases:2 from EM, 1 from pediatrics)
- 9 am Pediatric Emergency Simulation (held jointly with PEM Nurses)
- 10 am Faculty Lecture
- 11am Journal club

2008 Course Director, 1st Annual Child Abuse Symposium in the Emergency Department

Prior to August 2008 our Emergency Department did not provide care for children who were suspected to be sexually or physically abused. This 2-day seminar, developed with the medical director of CARES Northwest Child Abuse Program, was developed specifically for the nurses, social workers and physicians in our new Pediatric Emergency Department.

2009 to pres. Pediatric Emergency Medicine Video-Visual Diagnosis:

Developing a library of videos recorded from the Pediatric Emergency Department to be used for educational purposes. The primary goal is to teach medical students, residents, fellows and colleagues the principles of pediatric emergency medicine in a case based format. A secondary goal will be to teach others how to incorporate video work in the clinical setting at OHSU and other institutions in order to expand the use of this format in other settings and by other providers.

2011 to 2014, 2020-2022 Scholarly Oversight Committee, PEM Fellowship (OHSU, UAMS):

One of three mentors to work closely with Drs. Matthew Hansen, Esther Yue, and Beech Burns who are Fellows in Pediatric Emergency Medicine. I have been an active participant in Dr. Hansen's research activities, some of which have been published and presented at national Meetings such as the Society for Academic Emergency Medicine. Dr. Yue, in her second year of PEM Fellowship, has developed a project, presented at local research meetings and

has submitted her research to the IRB. I serve as her primary research mentor for this project evaluating us of quick brain MRI in children.

2012 to 2014 Co-Director, OHSU/Legacy Fellowship in Pediatric Emergency Medicine (OHSU):

Selected to become the 2nd Program Director for the Oregon's only PEM fellowship in October of 2012 – collaborating with Dr. Peter Auerbach of Randall Children's Hospital. Primary responsibilities will be to recruit, train, and develop new and innovative programming as the fellowship enters its 4th year of training.

2013 Co-Director, Fellow Boot Camp (OHSU):

Developed 3-day seminar for Pediatric Emergency Medicine and Pediatric Critical Care Fellowships with Dr. Paula Vanderford. Evaluations were used to assess satisfaction and core competencies.

2012 to pres. Cofounder and Chief Medical Officer, ReelDx, Portland, OR

With one of the founders of WebMD, developed an internet-based startup with \$750,000 of seed funding. Launched ReelDx Pediatrics Library in October, 2013 and will launch ReelDx Emergency Medicine this March, working with institutions such as Johns Hopkins University and Yale University to produce video content, which is authored and peer reviewed. Reelx currently is used by two medical schools in Pennsylvania and Florida. Company has 5 employees, based in Portland, Oregon.

2019 to pres. Research Director, Section of Pediatric Emergency Medicine, UAMS:

Lead monthly research meeting with fellows, with oversight of fellow research projects.

2021 to 2023. Co-Presenter, Reel Emergency Pre-hospital Provider Vodcast

Co-presenting series of real patient cases and discussions with EMS experts.

## **INNOVATION PROJECTS**

1. Founder, Pediatric Emergency Department, Oregon Health and Science University
  - a. Raised 5 MM philanthropic with DCH Foundation
2. Founder, PEM Fellowship, Oregon health and Science University
3. Co-founder, ReelDx
  - a. Case-based, Video Visual Diagnosis Company
4. Co-founder, GoCrew
  - a. HIPAA compliant platform to improve Provider/Patient Communication
5. Throughput Innovation, Arkansas Children's Hospital
  - a. Developed 90 Min Timer rule to improve admitted patient throughput.
  - b. Resultant lower LOS, LWBS by 75%

## **MENTORSHIP ACTIVITIES**

### **Mentorship of Fellows, Pediatric Emergency Medicine, Yale University School of Medicine**

Lei Chen, MD  
Walter Eppich, MD  
Susan Walsh, MD  
Melissa Langan, MD  
Michael Soltis, MD  
Mark X. Cicero, MD

### **Mentorship of Fellows, Pediatric Emergency Medicine, Oregon Health and Sciences University**

Cynthia Lodding, MD  
Matthew Hansen, MD  
Esther Yue, MD  
Beech Burns, MD  
David Sheridan, MD

### **Mentorship of Fellows, Pediatric Emergency Medicine, University of Arkansas Medical Center**

April Clawson, MD  
Renita Pushparajah, MD  
Alamelu Palaniappan, MD  
Jonathan Chang, MD  
Abigail Russ, MD  
Sarah Passarello, MD  
Jose Malaspina, MD  
Jeffrey Chacko, MD

Patrick Ayers, MD  
Krystal McCarson, MD  
Lauren Howard, MD  
Melissa White, MD  
Lauren Fisher, MD  
Zachary Steed, MD  
Ryan Waddell, MD  
Megan Scarbrough, MD  
Nikita Patel, MD  
Jennifer Perry, MD  
Alexis Roach, MD  
Jonathan Williamson, MD  
Justin Wimberly, MD  
Tony Abdul Misseh, MD  
Enrique Yespica Otaola

**Mentorship of Physician Assistant Students, UAMS**

Hannah Gay, PA-C  
Adrienne Woerner, PA-C

**Mentorship of Fellows, Pediatric Subspecialties, Oregon Health and Science University**

Erin Comer, MD (Pediatric Critical Care – Primary Research Mentor)

**Mentorship of Nurse Practitioner Students, Oregon Health and Science University**

Allison LiaBraaten, BA

**Mentorship of Residents in Pediatrics, Yale University School of Medicine**

David Duncan, MD  
David Levine, MD  
Jessica Rosen, MD  
Mark Zonfrillo, MD  
Jeffrey Seiden, MD

**Mentorship of Residents in Pediatrics and Emergency Medicine, Oregon Health and Science University**

Christina Derstine, MD (C.A.T.C.H. Grant, American Academy of Pediatrics)  
TJ Anderson, MD  
Lori Jennings, MD  
Lindsay Lefler, MD  
Matthew Hansen, MD  
David (Ross) Goshorn, MD  
Kelsey Bickley, MD  
Rex Puterbaugh, MD  
David Sheridan, MD  
Jeffrey Meyrowitz, MD  
Beech Burns, MD  
Jessica Hoseason, MD  
Adam Lamble, MD

## **Mentorship of Paramedics, Oregon Health and Science University**

Merlin Curry (2006-2008)

Tim Habeck

### **Advisor for Yale School of Medicine Student Theses:**

Khoon-Yen Tay, Yale School of Medicine 2006

Ellen House, Yale School of Medicine 2008

Rachel Wattier, Yale School of Medicine 2008

Maya Roberts, Yale School of Medicine 2009

### **Advisor for Yale School of Medicine, Physician Associate Program Student Theses**

Margaret Leddy, Yale Physician Associate Program 2005

Janell Stadler, Yale Physician Associate Program 2005

Sarah de Loizaga Carney, Yale Physician Associate Program 2006

### **Faculty Advisor for Residents in Emergency Medicine, Oregon Health and Science University**

Michelle Shaw, MD

Jeremiah Yerton, MD

Rachel Bengtzen, MD

Crystal Weis, MD Daniel Hubbard, MD

Andy Barnett, MD

Jonathan (Hale) Season

### **Faculty Advisor for Senior Medical Students, Oregon Health and Science University**

Amita Khazanie

Preston Fedor

Judson Huegel

Michael Kennedy Hall

Melissa Denny

Meagan Sauvageau

William Senders

Solina Tith

Anna Cedar Melissa Welker

Daniel Silverman

John Hardwick

Rachelle Nicolai

Merlin Curry

Rebecca Duby

Paco Corbalan

### **Faculty Preceptor for First & Second Year Medical Students, Oregon Health and Science University**

Kai Kinder (Fall)

Michael Beadnell (Winter)

Robert Gould (Spring)

Solina Tith (Fall)

Darby Seely (Winter)

William Senders (Spring)  
Jesse Schonau Taylor (Fall)  
Jot Preet Sahi (Winter)  
Lei Wu (Spring)  
Erin Engelking (Fall)  
Rachelle Nicolai (Winter)  
Allen Andrews (Spring)  
Benjamin Larson (Fall)  
Patrick Hudson (Winter)  
Rachel Wood (Spring)  
Brandon Teng (Fall)  
Joseph Volpi (Winter)  
Nicole Stanley (Spring)  
James Rohlfing (Fall)  
Michelle Kleiman-Moran (Winter)  
David Steinhart (Spring)  
Caroline Schulman (Fall)  
Katy Metcalf (Winter)

### **Faculty Advisor for Premedical Students**

Sarah Hopkins, Wesleyan University  
Merlin Curry, Portland State University  
Carson Burns, Whitman College  
Brian Greenleaf, Portland State University  
Hunter O'Harrow, Portland State University  
Cosby Arnold, Emory University  
Zach Lubek, Portland State University  
Grace Wandell, Wake Forrest University  
Angel Lightner, Portland State University  
Sarah Fausel, Columbia University  
Genovive Green, Pacific University PA Program  
Annan Sheffield – accepted University of Washington Physician Assistant Program  
Gwen Cook – accepted Dartmouth Medical School  
Spencer Burt – accepted OHSU Medical School  
Nadia Siddiqi – accepted University of Washington Medical School  
Charlotte Horowitz - 2021 to 2022.  
Eliza Daigle – 2022-2023  
Eric Cameron – 2024  
Corey Park – 2024-6  
Logan Hartsell – 2024  
Isaac Nowell - 2025

### **Member, Scholarly Oversight Committee for Pediatric Emergency Fellowship, OHSU**

Matthew Hansen, MD  
Esther Yue, MD  
Beech Burns, MD

### **Faculty Mentor, Pediatric Residency, University of Arkansas for Medical Sciences**

Ryan Waddell, MD  
Phoebe Martin, MD  
Zach Steed, MD  
Luke Ganucchea, MD  
Vandana Garg, MD  
Jeremy Davis, MD

**Faculty Mentor, PA Students, University of Arkansas for Medical Sciences**

Meghan Bullock, PA-S  
Hannah Gay, PA-S, Class of 2025  
Adelynn Worner, PA-S Class of 2025

**Faculty Mentor, Medical Students, University of Arkansas for Medical Sciences**

Rachel Roark, Class of 2024  
Amanda Tomanek, Class of 2024  
Alex Huffington, Class of 2026

**Section Chief Mentor**

Irma Ugalde, MD: University of Chicago

**External Promotion Letters/Referee**

Kerry Capperell, University of Louisville – for Professor (2023)  
Myto Duaong, MD, Southern Illinois University – for Professor (2024)  
Mark Cicero, MD, Yale University School of Medicine – for Professor (2024)  
Asha Kumar-Veerawamy, MUSC COM, for Associate Professor (2025)  
Matthew Maready, UAMS, for Associate Professor, 2025

**Faculty Menor, K-12 (CTSA)**

Lauren Howard, MD, MPH, UAMS 2025-present

**UAMS Academic Promotions**

Amber Morse, MD (to Associate Professor, academic track), 2024  
Josie Niemyer, MD (to Associate professor, clinical track), 2025  
Ryan Kwong, MD (to Associate Professor, academic track), 2026  
Hannah Baer, MD (to Associate Professor, academic track), 2026  
Sarah Sylvester, MD (to Associate Professor, clinical track), 2026