

CURRICULUM VITAE

Lucas Friedman, M.D., M.Ed., FACEP, AEMUS-FPD

Health Science Associate Clinical Professor

University of California Riverside School of Medicine

Phone (442) 444-0644

E-mail lucas.friedman@medsch.ucr.edu

Chronology of Education

- 08/1998 – 12/2002 Bachelor of Arts, Anthropology & Biology, University of Colorado, Boulder, CO
- 08/2003 – 06/2005 Masters of Education, Arizona State University, Tempe, Arizona
- 08/2006 – 05/2010 Doctor of Medicine, University of Arizona College of Medicine, Tucson, AZ
- 07/2010 – 06/2015 Residency Training: Emergency Medicine and Pediatrics, a combined residency program, Departments of Emergency Medicine and Pediatrics, The University of Arizona, Tucson, AZ
- 07/2015 – 06/2016 Emergency Ultrasound Fellowship, University of Arizona Department of Emergency Medicine, Tucson, AZ

Chronology of Employment

- 05/2015 – 06/2016 Emergency Department Physician, Tucson Medical Center – EMCare, Tucson, AZ
- 07/2015 – 06/2016 Clinical Instructor, Banner University Medical Center, University of Arizona Department of Emergency Medicine, Tucson, AZ
- 07/2016 – 06/2017 Assistant Professor, Banner University Medical Center, University of Arizona Department of Emergency Medicine, Tucson, AZ
- 07/2017 – 07/2024 Ultrasound Director, Emergency Medicine Residency, Riverside Community Hospital, Riverside, CA
- 09/2018 – 04/2020 Emergency Department Physician, Carondelet Saint Joseph and Saint Mary's Hospitals – CompHealth, Tucson, AZ
- 12/2018 – Current Ultrasound Thread Director, University of California Riverside School of Medicine, Riverside, CA
- 04/2020 – 04/2020 Emergency Department Physician, Carondelet Marana Hospital – CompHealth Locum Tenens, Tucson, AZ
- 07/2021 – 07/2024 Ultrasound Division Director, Graduate Medical Education, Riverside Community Hospital, Riverside, CA
- 01/2022 – Current Vituity Ultrasound Program Co-Director

Global Health Experience

- 04/2010 – 05/2010 Webuye Hospital, Rotation in Government District Hospital, Webuye, Kenya
- 09/2013 B.P. Koirala Institute of Health Sciences Emergency Department; Rotation in a Government Referral Hospital, Dharan, Nepal
- 10/2013 INDO-US Emergency Medicine Academic Summit, Thrissur, India
- 10/2013 SevenHills Hospital Emergency Department, Rotation in a Private Referral Hospital, Mumbai, India

Licenses / Certifications

06/2005 – 06/2007 Arizona Department of Education (Teaching) Certificate
00/2010 – 2014 NRP Provider
00/2010 – 2016 PALS Provider
00/2010 – 2016 APLS Provider
00/2010 – 2019 ACLS Provider
00/2010 – 2019 BLS Provider
03/2013 – 07/2026 Arizona Medical Board
00/2014 – 2018 ATLS Provider
07/2014 – NA University of Arizona Global Health Certificate
09/2014 – 2016 International Trauma Life Support (ITLS) Pediatric Provider
11/2014 – 09/2023 Arizona DEA Certificate
04/2015 – 2019 Advanced Wilderness Life Support (AWLS) Provider
11/2015 – Present American Board of Pediatrics (ABP) Certified
11/2016 – Present American Board of Emergency Medicine (ABEM) Certified
03/2017 – 07/2026 Medical Board of California
04/2017 – 09/2025 California DEA Certificate
07/2021 – 05/2022 Advanced Clinical Site Series Certificate from University of California
Riverside School of Medicine Office of Faculty Development
04/2022 – 12/2027 American Board of Emergency Medicine (ABEM) Advanced Emergency
Medicine Ultrasonography (AEMUS) Focused Practice Designation (FPD)

Honors /Awards /Grants

07/2007 – 06/2008 Commitment to Underserved People (CUP) Leadership Award; Med-Teach
Coordinator of middle/high school science eye/heart dissections from the
University of Arizona College of Medicine, Tucson, AZ
6/2009 – NA Gold Humanism Honor Society, College of Medicine, The University of
Arizona, Tucson, AZ
07/2013 – 06/2015 Chief Resident, Department of Emergency Medicine and Pediatrics, a
combined residency program, The University of Arizona, Tucson, AZ
07/2014 – 06/2015 Graduating Resident Award for Excellence in Teaching, Department of
Pediatrics, The University of Arizona, Tucson, AZ
07/2014 – 06/2015 Joseph O'Dwyer Excellence in Intubation Award
07/2014 – 06/2015 Outstanding Senior Resident Award, Department of Emergency Medicine, The
University of Arizona, Tucson, AZ
06/2020 – NA Transitional Year Residency Faculty Teaching Award
06/2021 – NA Internal Medicine Residency Teacher of the Year Award: Innovation
08/2021 – NA Values in Action Award (VIAA). Quarterly VIAA awards recognize
individuals who best exemplify the values of the University of California
Riverside School of Medicine – Inclusion, Integrity, Innovation, Excellence,
Accountability and Respect, Riverside, CA
06/2022 – NA The Neal L. Schiller Award for Excellence in Compassionate Medicine.
University of California Riverside School of Medicine, Riverside, CA
05/2023 – NA Le, Nhu-Nguyen, Eva Tovar, **Lucas Friedman**. Dean's Research Innovation
Award. "Impact of a Deep Learning Software Used to Assist Novice Learners

- in Acquiring Regional Anesthesia Ultrasound Image.” University of California Riverside School of Medicine, Riverside, CA.
- 09/2023 – NA “Faculty Teaching Award 2023” HCA Healthcare Riverside Community Hospital Emergency Medicine Residency program. Riverside, CA.
- 05/2024 – NA “Outstanding Specialty (Year 4) Instructor” University of California Riverside School of Medicine, Riverside, CA.

Membership

- 07/2009 – 2019 Emergency Medicine Residents Association (EMRA)
2013 – 2016 American Academy of Emergency Medicine (AAEM)
07/2010 – 2019 Society for Academic Emergency Medicine (SAEM)
07/2010 – 2020 American Academy of Pediatrics (AAP)
07/2010 – Present American College of Emergency Physicians (ACEP)
10/2012 – Present ACEP Pediatric Emergency Medicine Section
07/2015 – Present ACEP Ultrasound Section
08/2015 – 2023 American Institute of Ultrasound in Medicine (AIUM)
05/2016 – Present P2Network (P2N)

Departmental Service / Committees

- 07/2012 – 06/2015 Department of Pediatrics Program Evaluation Committee (PEC), The University of Arizona, Tucson, AZ
- 07/2014 – 06/2015 Department of Emergency Medicine Academic Affairs Committee, The University of Arizona, Tucson, AZ
- 07/2014 – 06/2015 House-staff Quality Council (UAMC hospital Academic Affairs), The University of Arizona, Tucson, AZ
- 07/2017 – 06/2024 Program Evaluation Committee (PEC), University of California Riverside School of Medicine Emergency Medicine Residency, Riverside, CA
- 06/2019 Point of Care Ultrasound Focus Group and Curriculum Development, Hospital Corporation of America (HCA) Graduate Medical Education (GME) Division, Riverside, CA
- 07/2021 – 06/2023 Subcommittee on Emphasis and Threads (SET), University of California Riverside School of Medicine, Riverside, CA
- 08/2021 – 08/2022 Progress and Promotion Committee, University of California Riverside School of Medicine, Riverside, CA
- 02/2023 – 11/2023 Associate Dean for Pre-Clerkship Curriculum Search Committee Member, University of California Riverside School of Medicine, Riverside, CA
- 03/2023 – Present Point of Care Ultrasound Workgroup, Hospital Corporation of America (HCA) Graduate Medical Education (GME) Division
- 07/2023 – 06/2024 Clinical Competency Committee (CCC), Riverside Community Hospital Emergency Ultrasound Fellowship, Riverside, CA
- 07/2023 – 06/2024 Program Evaluation Committee (PEC), Riverside Community Hospital Emergency Ultrasound Fellowship, Riverside, CA
- 07/2023 – Present Team for Emphases and Curricular Threads (TECT), University of California Riverside School of Medicine, Riverside, CA

Publications

1. **Friedman, Lucas.** “Pediatric Head CT Decision Tools for Dummies.” EM Resident EMRA Publication. August/Sept. 2012. Vol. 39, Issue 4, p18-19
2. **Friedman, Lucas,** Dale P. Woolridge, and Daniel P. Hays “EMRA Pediatric Qwic Card.” January 1, 2013
3. Stolz, L., Gaskin, K., Murphy, A., Conroy, K.R., Stears-Ellis, S., Javedani, P.P., **Friedman, L.,** Adhikari, S. “363 Sonographic Appearance of Peripheral Nerves: Visualizing Success.” *Annals of Emergency Medicine.* October 2016. Volume 68, Issue 4, Supplement, Page S139. DOI: <http://dx.doi.org/10.1016/j.annemergmed.2016.08.380>
4. **Friedman, Lucas,** and Srikar Adhikari. “Upper GI Bleed.” Case Challenges, American Institute of Ultrasound in Medicine (AIUM), Published Online: 12/19/2016. <http://www.aium.org/loginRequired/membersOnly/caseChallengeSingle.aspx?caseId=45>
5. **Friedman, Lucas,** Natalie Jo Horwitz, and Srikar Adhikari. “Hematocolpometra.” Case Challenges, American Institute of Ultrasound in Medicine (AIUM), Published Online: 1/3/2017. <http://www.aium.org/loginRequired/membersOnly/caseChallengeSingle.aspx?caseId=46>
6. **Friedman, Lucas,** Dale P. Woolridge, and Daniel P. Hays “EMRA Pediatric Qwic Card.” 2017
7. Adhikari, S., E. Situ-LaCasse, J. Acuna, **L. Friedman,** E. Tay, J. Tsung, M. Blaivas. “340 Accuracy of Point-of-Care Ultrasound for the Diagnosis of Scrotal Pathology in the Emergency Department.” *Annals of Emergency Medicine,* Volume 70 , Issue 4 , S135. DOI: <https://doi.org/10.1016/j.annemergmed.2017.07.411>
8. J Jamplis R P, **Friedman L,** Adhikari S (December 17, 2017) Point of Care Ultrasound Diagnosis of Upper Gastrointestinal Bleeding. *Cureus* 9(12): e1956. DOI 10.7759/cureus.1956
9. Stolz, Lori A., Josie G. Acuña, Kevin Gaskin, Amanda M. Murphy, **Lucas Friedman,** Summer Stears-Ellis, Parisa Javedani, Uwe Stolz, Srikar Adhikari. Echogenicity and ultrasound visibility of peripheral nerves of the upper extremity. *Medical Ultrasonography,* Feb. 2018:0, 1-6 Online first. DOI: 10.11152/mu-1240
10. Situ-LaCasse, Elaine, Ryan Grieger, Stephen J. Crabbe, Anna Waterbrook, **Lucas Friedman,** Srikar Adhikari. Utility of Point-of-care Musculoskeletal Ultrasound in the Evaluation of Emergency Department Musculoskeletal Pathology. *World Journal of Emergency Medicine,* 9(3):136–140. DOI: 10.5847/wjem.j.1920–8642.2018.03.009.
11. Stolz Lori A, Richard Amini, Elaine Situ-LaCasse, Josie Acuña, Steven C. Irving, **Lucas Friedman,** Albert B. Fiorello , Nicholas Stea, Heinrich Fan, Srikar Adhikari. (November 15, 2018) Multimodular Ultrasound Orientation: Residents’ Confidence and Skill in Performing Point-of-care Ultrasound . *Cureus* 10(11): e3597. DOI 10.7759/cureus.3597
12. **Friedman, Lucas,** Situ-Lacasse E, Acuna J, et al. (December 17, 2018) Point-of-care Head and Neck Sonography for Clinical Problem-solving: Impact of One-day Training Sessions on Medical Student Education. *Cureus* 10(12): e3740. DOI 10.7759/cureus.3740
13. Acuña, Josie. Elaine H Situ-LaCasse, Asad E Patanwala, Lori A Stolz, Richard Amini, **Lucas Friedman,** Srikar Adhikari. Identification of gender differences in ultrasound milestone assessments during emergency medicine residency training: a pilot study. *Advances in Medical Education and Practice,* 2019:10 141–145. <http://doi.org/10.2147/AMEP.S196140>
14. **Friedman L** Associate Editor: Eva Tovar. "Let's Be Blunt – Don't Underestimate the Importance of Serial Abdominal Exams in Pediatric Blunt Abdominal Trauma." Woolridge D, Fox S, Homme J, Woolridge D, Leetch AN. Ruttan T eds. *Avoiding Common Errors in the Pediatric Emergency Department.* Philadelphia: Wolters Kluwer; 2019. In Press.

15. **Friedman L** Associate Editor: Matthew Underwood. " Oh Heavens.... HUS and E coli 0157:H7 – Don't Rush to Give Antibiotics to Children with Bloody Diarrhea." Woolridge D, Fox S, Homme J, Woolridge D, Leetch AN. Ruttan T eds. Avoiding Common Errors in the Pediatric Emergency Department. Philadelphia: Wolters Kluwer; 2019. In Press.
16. **Friedman L** Associate Editor: Candace Englehardt. "Everything at Once – Obtain Cultures Quickly But Don't Delay Antibiotics for Fever in the First 28 Days." Woolridge D, Fox S, Homme J, Woolridge D, Leetch AN. Ruttan T eds. Avoiding Common Errors in the Pediatric Emergency Department. Philadelphia: Wolters Kluwer; 2019. In Press.
17. **Friedman L** Associate Editor: Devan Pandya, Tommy Y. Kim. "Diagnose Outpatient Pediatric Pneumonia Clinically and Avoid the X-Ray." Woolridge D, Fox S, Homme J, Woolridge D, Leetch AN. Ruttan T eds. Avoiding Common Errors in the Pediatric Emergency Department. Philadelphia: Wolters Kluwer; 2019. In Press.
18. **Friedman L** Associate Editor: Sarah Becker. "Bronchiolitis: Value Aggressive Airway Clearance Over Nebulizers, X-Rays and Steroids in Bronchiolitis." Woolridge D, Fox S, Homme J, Woolridge D, Leetch AN. Ruttan T eds. Avoiding Common Errors in the Pediatric Emergency Department. Philadelphia: Wolters Kluwer; 2019. In Press.
19. **Friedman L** Associate Editor: Neethu Menon. "Pediatric Diarrhea – Hydration is the Most Important Factor In Treatment." Woolridge D, Fox S, Homme J, Woolridge D, Leetch AN. Ruttan T eds. Avoiding Common Errors in the Pediatric Emergency Department. Philadelphia: Wolters Kluwer; 2019. In Press.
20. **Friedman L** Associate Editor: Clifford Ellingson. "Risky Business: Know How to Approach the “What Ifs” in Neonatal Fever Risk Stratification." Woolridge D, Fox S, Homme J, Woolridge D, Leetch AN. Ruttan T eds. Avoiding Common Errors in the Pediatric Emergency Department. Philadelphia: Wolters Kluwer; 2019. In Press.
21. **Friedman, Lucas**, Josh Glasser, Dale P. Woolridge, and Katie Morizio, “EMRA Pediatric Qwic Card.” 2020.
22. Expert Panel on GYN and OB Imaging, Henrichsen TL, Maturen KE, Robbins JB, Akin EA, Ascher SM, Brook OR, Dassel M, **Friedman L**, Learman LA, Patlas MN, Sadowski EA, Saphier C, Wasnik AP, Glanc P. ACR Appropriateness Criteria® Postmenopausal Acute Pelvic Pain. *J Am Coll Radiol*. 2021 May;18(5S):S119-S125. doi: 10.1016/j.jacr.2021.02.003. PMID: 33958106.
23. Panebianco, Nova L., Rachel Liu, Stephen Alerhand, Arthur K. Au, John Bailitz, Alan T. Chiem, Sara C. Damewood, **Lucas Friedman**, Michael Gottlieb, Penelope C. Lema, Resa E. Lewiss, Judy Lin, Maya Lin, E. Liang Liu, Mark A. Magee, Mathew J. Nelson, Dana Sajed, Elaine H. Situ-LaCasse, Lori A. Stoltz. Joint Recommendations and Resources for Clinical Ultrasound Education Amidst the COVID-19 Era. *AEM Education and Training* 2020; 00: 1–5.
24. **Friedman, Lucas**, Srikar Adhikari. Sonoguide ENT Chapter. August 18, 2020: <https://www.acep.org/sonoguide/advanced/ent/>
25. Romero Kupai, MD, Ashkan Morim, MD, **Lucas Friedman**, MD and Eva Tovar Hirashima, MD, MPH. Using Point-of-Care Ultrasound to Expedite Diagnosis of Necrotizing Fasciitis: A Case Report. *Journal of Education and Teaching in Emergency Medicine (JETem)*. Issue 6:2. DOI: <https://doi.org/10.21980/J85051>
26. Kim T Y, Kim E C, Agudelo A Z, **Friedman, L**. COVID-19 hospitalization rate in children across a private hospital network in the United States. *Archives de Pédiatrie*, Volume 28, Issue 7, 2021, Pages 530-532, ISSN 0929-693X, <https://doi.org/10.1016/j.arcped.2021.07.004>.

27. Oberoi M K, Perera N C, Reynaga J, Yoo, B R, Miller, C C, Lockhart, W, Entezampour, M, **Friedman, L**. Students Teaching Students: Student-Led Ultrasound Curriculum in Medical School Education. *Cureus* 13(11): e19332. DOI 10.7759/cureus.19332
28. Lam SHF, Berant R, Chang TP, **Friedman L**, Gold DL, Kornblith AE, Lin-Martore M, Pade KH, Skaugset LM, Toney AG, Wang-Flores H. The P2Network-Advancing Pediatric Emergency Care With Point-of-Care Ultrasound. *Pediatr Emerg Care*. 2022 Feb 1;38(2):e1014-e1018. doi: 10.1097/PEC.0000000000002369. PMID: 34787985.
29. Badri N, **Friedman L**. Fever in children aged 3 to 36 Months: management in the emergency department. *Pediatr Emerg Med Pract*. 2022 Oct;19(10):1-28. Epub 2022 Oct 2. PMID: 36121775.

Abstract / Poster Presentation

1. Woolridge, Dale P., and **Lucas Friedman**. “Polyamines and Their Acetyl Derivatives as Biomarkers for Urinary Tract Infections.” Abstract Presentation at NIH/University of Arizona Medical Student Research Program (MSRP) Institute Oral Presentation, July 24th, 2007, Tucson, AZ
2. Mosier, Jarrod, Terence O'Keeffe, Dan Falvey, Raj Joshi, and **Lucas Friedman**. “Emergency Physician Knowledge of Massive Transfusion Protocol in Trauma.” Abstract Presentation by Dan Falvey at Western SAEM Oral Presentation, March 23rd, 2013, Long Beach, CA
3. **Friedman, Lucas**, Natalie Jo Horwitz, Dale Woolridge, Lindsey Retterath, and Srikar Adhikari. “Point-of-Care Ultrasound Diagnosis of Imperforate Hymen in Pediatric Abdominal Pain.” American Institute of Ultrasound in Medicine (AIUM) Convention, E-Poster. March 25-29, 2017, Orlando, Florida
4. Natalie J. Horwit, **Lucas Friedman**, and Srikar Adhikari. “Point-of-Care Ultrasound Screening and Diagnosis of Imperforate Hymen in Pediatric Abdominal Pain.” Poster Presentation by Natalie J. Horwitz, BS at American Academy of Pediatrics National Conference & Exhibition, Chicago, IL, Sep., 16th, 2017
5. Shihabuddin, Bashar, **Lucas Friedman**, Robert Letton, Jamie Laughy, Jeremiah Garrison, Colin West, Srikar Adhikari, and Kurt Denninghoff. “Decreasing Computed Tomography Use in Pediatric Blunt Abdominal Trauma: A Clinical Decision Rule.” Abstract Presentation by Jeremiah Garrison at Society for Academic Emergency Medicine (SAEM) Western Regional Meeting, Albuquerque, NM. February 3rd, 2018
6. Guldner GT, Keith J, An J, Zidovetzki S, Underwood M, Do N, Knight C, Magee E, Dunn-Dixon R, Patterson S, Kim S, **Friedman L**, Ng D. Resident Institutional Presence and Sepsis Mortality. Poster presented at the interdisciplinary multi-specialty Riverside Community Hospital Quality Improvement Symposium. May, 2019
7. Shihabuddin, Bashar, **Lucas Friedman**, Robert Letton, Jamie Laughy, Jeremiah Garrison, Colin West, Srikar Adhikari, and Kurt Denninghoff. “Decreasing Computed Tomography Use in Pediatric Blunt Abdominal Trauma: A Clinical Decision Rule.” Poster Presentation by Bashar Shihabuddin at Society for Academic Emergency Medicine (SAEM) Conference, Indianapolis, IN. May 17th, 2018
8. Stolz, Lori, Josie Acuña, Elaine Situ-LaCasse, **Lucas Friedman**, Richard Amini, and Srikar Adhikari. “Evaluation of Gender Differences in Ultrasound Milestone Assessments During Emergency Medicine Residency Training.” Abstract Presentation by Josie Acuña at Society for Academic Emergency Medicine (SAEM) Conference, Indianapolis, IN. May 17th, 2018

9. Oberoi M K, Perera N C, Reynaga J, Yoo, B R, Miller, C C, Lockhart, W, Entezampour, M, **Friedman, L.** “Student Driven Ultrasound Curriculum in Medical School Education.” Abstract Presentation by **Lucas Friedman** at American Institute of Ultrasound in Medicine (AIUM) 2022 Annual Integrative Ultrasound Meeting, San Diego, CA. March 15th, 2022

Reviewer (Journal / FOAM / Academic Conference)

1. Journal of Critical Care (Manuscript Reviewer), 2015-2016
2. Editorial Review Board of Approved Instructional Resources (AIR) for Ultrasound, Academic Life in Emergency Medicine (Reviewer), www.aliem.com, 2016
3. American Institute of Ultrasound in Medicine (AIUM) 2019 Conference Abstract Review Committee (Reviewer), 2018
4. American Institute of Ultrasound in Medicine (AIUM) 2020 Conference Abstract Review Committee (Reviewer), 2019
5. Journal of Ultrasound in Medicine (Manuscript Reviewer). April, 2021.
6. Cureus (Manuscript Reviewer). August, 2021.
7. Cureus (Manuscript Reviewer). August, 2022.

Scholarly Activity (Conferences/Seminars/Colloquia)

1. Organizer and Presenter “Limited Resource Medicine – What Would MacGyver Do?” Pediatric Global Health Quarterly Conference, University of Arizona, Tucson, AZ, 2012
2. Presenter “Children With Special Health Care Needs: The Technology Dependent Child” & “Umbilical Lines” skill station instructor. Advanced Pediatric Life Support (APLS) course, University of Arizona, Tucson, AZ, 2013
3. Presenter “Fractures by Mechanism.” Emergency Pediatric Interdisciplinary Care Conference (EPICC), Starr Pass Resort, Tucson, AZ March 21st, 2014
4. Presenter “Ultrasound in Resource-Limited Settings.” Global Health: Clinical and Community Care Course, University of Arizona, Tucson, AZ, August 2014
5. Presenter “Pediatric Considerations in the Wild” and “Derm.” Advanced Wilderness Life Support (AWLS) course, Tucson, AZ, April, 2015
6. Presenter “Ultrasound in Resource-Limited Settings” Global Health: Clinical and Community Care Course, University of Arizona, Tucson, AZ, August 2015
7. Presenter “ACEP Ultrasound-Guided Regional Anesthesia Lab” (Ultrasound Guided Nerve Blocks) American College of Emergency Physicians (ACEP) Scientific Assembly, Boston, MA . October 26th, 2015
8. Presenter “Umbilical Lines.” Advanced Pediatric Life Support (APLS) course skill station, Tucson, AZ, 2016
9. Presenter “Point of Care HEENT Ultrasound” and SonoCamp Director, University of Arizona College of Medicine 3rd Year Intersession Block Rotation, 2016
10. Presenter “Ultrasound in Resource-Limited Settings” Global Health: Clinical and Community Care Course, University of Arizona, Tucson, AZ, October 2016
11. Presenter “Contrast-enhanced-FAST.” Future Pediatric Emergency Care Applied Research Network (PECARN) Investigator’s Meeting, Washington, D.C. February 14th, 2017
12. Presenter “Pediatric Limp: Utility of POCUS.” American Institute of Ultrasound in Medicine (AIUM) Convention, Orlando, FL. March 27th, 2017
13. Judge “SonoGames” Society for Academic Emergency Medicine (SAEM) Annual Meeting, Orlando, FL. May 19th, 2017

14. Proctor “SonoSlam” American Institute of Ultrasound in Medicine (AIUM) Convention, New York, NY. March 24th, 2017
15. Presenter “Aortic Ultrasound.” Vituity Spring Symposium in Northern California, Oakland, CA. April 10th, 2018
16. Presenter “Aortic Ultrasound.” Vituity Spring Symposium in Southern California, Los Angeles, CA. April 27th, 2018
17. Presenter “Point-of-Care Ultrasound for the Pediatric Limp.” Society for Academic Emergency Medicine (SAEM) Conference, Indianapolis, IN. May 17th, 2018
18. Judge “SonoGames” Society for Academic Emergency Medicine (SAEM) Conference, Indianapolis, IN. May 18th, 2018
19. Presenter “Ultrasound Guided Nerve Blocks.” University of California Irvine School of Medicine Ultrafest, Irvine, CA. Jan. 26th, 2019
20. Proctor and Co-Designer Pediatric Ultrasound Station for “SonoSlam” American Institute of Ultrasound in Medicine (AIUM) Convention, Orlando, FL. April 6th, 2019
21. Presenter “Cardiac Ultrasound at Bedside: Pearls and Pitfalls.” American Institute of Ultrasound in Medicine (AIUM) Conference, Orlando, FL. April 10th, 2019
22. Judge “SonoGames” Society for Academic Emergency Medicine (SAEM) Conference, Las Vegas, NV. May 17th, 2019
23. Presenter “Ultrasound Guided Regional Anesthesia.” Vituity Workshop at Palomar Medical Center, Escondido, CA, July 25th, 2019
24. Judge and Co-Designer SonoSim Station for “Ultrasound World Cup Competition” World Congress of Ultrasound in Medical Education 2019 Conference, Irvine, CA. Sep. 14th, 2019
25. Presenter “Must-Know Workflow for the Ultrasound Fellow: IT / Hardware / Software.” Southwest Ultrasound Fellows Regional (SURF) Conference, Tucson, AZ. Sep. 27th, 2019
26. Presenter “POCUS for the Pediatric Limp” Drop the Mic! The ACEP New Speakers Competition. American College of Emergency Physicians (ACEP) Scientific Assembly, Denver, CO. Oct. 27th, 2019
27. Presenter “Ultrasound Guided Nerve Blocks.” University of California Irvine School of Medicine UltraFest, Irvine, CA. Feb. 8th, 2020
28. Presenter “Post-Fellowship Life PANEL: Where do we go from here?” Southwest Ultrasound Fellows Regional (SURF) Conference, Tucson, AZ (Remote/Virtual). Sep. 24th, 2020
29. Friedman, Lucas. “Pediatric POCUS” [Zoom Powerpoint Presentation]. Arrowhead Regional Medical Center Emergency Medicine Residency, Colton, CA. April 21, 2021.
30. Friedman, Lucas. “Introduction to Diagnostic Point-of-care Ultrasound for Hospitalists” [Powerpoint Presentation and Hands-on Workshop—University of California Irvine sponsored CME]. Riverside Community Hospital Internal Medicine Department, Riverside, CA. April 30, 2021, May 21, 2021, May 28, 2021, and June 25, 2021.
31. Organizer and Presenter “Vituity’s 2022 CME Spring Symposium CME Workshop: Basic Critical Care Ultrasound.” Costa Mesa, CA. May 6, 2022.
32. Organizer and Presenter “Vituity’s 2022 CME Spring Symposium CME Workshop: Advanced Regional Anesthesia Ultrasound.” Emeryville, CA. May 15, 2022.
33. Instructor at *The Center for Medical Education* “Original Emergency Medicine Bootcamp” CME Workshop. Las Vegas, NV, July 26-27, 2022.
34. Presenter “Ultrasound in GI Bleeding.” American College of Emergency Scientific Assembly Ultrasound Section Meeting. San Francisco, CA. Oct 1, 2022.
35. Organizer and Presenter “Vituity’s 2022 CME Partnership Meeting CME Workshop: Advanced Pediatric Ultrasound.” San Diego, CA. Oct 21, 2022.

36. Organizer and Presenter “Vituity’s 2023 Ultrasound OB/GYN, Ocular, & Other Virtual CME Workshop.” Riverside, CA. Feb 8, 2023.
37. Presenter “Vituity’s Virtual Spring 2023 POCUS Bootcamp: Quality Assurance.” Dana Point, CA. Mar 9, 2023.
38. Organizer and Presenter “Vituity’s 2023 CME Spring Symposium CME Workshop: Basic Ultrasound.” Long Beach, CA. May 12, 2023.
39. Organizer and Presenter “Southern California Residency Ultrasound Games.” Riverside, CA. June 15, 2023.
40. Instructor at *The Center for Medical Education* “Original Emergency Medicine Bootcamp” CME Workshop. Las Vegas, NV, July 23-24, 2023.
41. Organizer and Presenter “Vituity’s 2023 CME Partnership Meeting CME Workshop: Nerve Block Ultrasound.” Dallas, TX. Sept 22, 2023.
42. Presenter “Vituity’s Virtual Fall 2023 POCUS Bootcamp: Education.” Dana Point, CA. Oct 18, 2023.
43. Organizer and Presenter “Vituity’s 2023 Fall CME Workshops Series: Ultrasound Gamification – Big Impact, Big Fun!” Emeryville, CA. Nov 8, 2023.
44. Organizer and Presenter “Vituity’s 2024 Ultrasound OB/GYN, Ocular, & Other Virtual CME Workshop.” Riverside, CA. Feb. 14, 2024.
45. Organizer and Presenter “Southern California Residency Ultrasound Games.” Riverside, CA. April 18, 2024.
46. Presenter “Vituity’s Virtual Spring 2024 POCUS Bootcamp: Quality Assurance & Billing.” Dana Point, CA. Apr 23, 2024.
47. Presenter “Vituity’s Virtual Spring 2024 POCUS Bootcamp: Education.” Dana Point, CA. Apr 23, 2024.
48. Organizer “Vituity’s 2024 CME Spring Symposium CME Workshop: Advanced Ultrasound.” Anaheim, CA. May 3, 2024.
49. Organizer and Presenter “Vituity’s 2024 Vituity Anesthesia CME Symposium: Ultrasound Workshop.” Emeryville, CA. June 9, 2024.
50. Instructor at *The Center for Medical Education* “Original Emergency Medicine Bootcamp” CME Workshop. Las Vegas, NV, July 13, 2024.