

Leland Kit Perice, MD

Curriculum Vitae

Business Address: 55 Claverick St., 2nd Floor, Room 205
Providence, RI 02903
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Professional Experience

Attending Physician
Ultrasound Faculty

Brown Emergency Medicine
593 Eddy St., Claverick 2
Providence, RI 02903
2022 - Current

Physician AI Consultant

Pieces Technology
5201 N. O'Connor Blvd, Suite 300
Irving, Texas 75039
(469) 213-6274
2023 - Current

EDUCATION

Undergraduate

Rutgers University
Molecular Biology and Biochemistry
B.A
(2010-2013)

Medical School

Albert Einstein College of Medicine
M.D
(2014-2018)
Distinction in Research in Clinical
Investigation

POSTGRADUATE TRAINING

Residency

Zucker School of Medicine at

Hofstra, Emergency Medicine
Residency Northwell at North
Shore/Long Island Jewish
(2018-2021)

Fellowship

Maimonides Medical Center
Emergency Ultrasound Fellowship
(2021-2022)

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

American Board of Emergency Medicine Board Certification (2022-Present)

Rhode Island Board of Registration in Emergency Medicine (2022-Present)

ACADEMIC APPOINTMENTS

Assistant Professor, Clinician Educator Track
Medicine
The Warren Alpert Medical
School of Brown University
Department of Emergency
(2022-Present)

Assistant Professor, Clinician Educator Track
Medicine
SUNY Downstate
Department of Emergency
(2021-2022)

DEPARTMENTAL LEADERSHIP APPOINTMENTS

Nerve Block Task Force, Department of Emergency Medicine 2023-Present

UNIVERSITY/DEPARTMENT COMMITTEES

Fellowship Interviewer, Brown Emergency Medicine, Department of Emergency
Medicine 2022- Present

MEMBERSHIP IN SOCIETIES

American College of Emergency Physicians (ACEP)	Member, 2018 - Present
Society for Academic Emergency Medicine (SAEM)	Member, 2021 – Present
American Institute of Ultrasound in Medicine (AIUM)	Member, 2021 – Present
Society for Clinical Ultrasound Fellowship (SCUF)	Member, 2021 – Present

PUBLICATIONS LIST

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

Ghei R, Perice L, Odashima K (December 17, 2022) Incidental Diagnosis of Honeycomb Gallbladder on Point-of-Care Ultrasound. *Cureus* 14(12): e32650.
doi:10.7759/cureus.32650

Hannah Blakely, Leland Perice, Aaron Ryoo. Sonographic evaluation and identification of first-trimester ectopic pregnancy in cesarean section scar. *Visual Journal of Emergency Medicine*. 2022;29:101466.

Leland Perice, Leily Naraghi, Antonios Likourezos, Harpriya Singh, Lawrence Haines. Implementation of a novel digital ultrasound education tool into an emergency medicine rotation: *UltrasoundBox*. *AEM Educ Train*. 2022;6(3):e10765.

Ayesha Ali, Leland Perice, Kay Odashima. Diagnosis of perinephric abscess on point-of-care ultrasound. *Visual Journal of Emergency Medicine*. 2022;27:101345.

Dorothy Shi, Leland Perice, Christina Grimaldi, Thomas Perera, Mathew Nelson. Ultrasound measurement of the intervertebral space in the lateral recumbent versus sitting positions. *J Emerg Med*. 2021;61(6):705-710.

Leland Perice, Zhanna Roit, Ingrid Llovera, Mary Flanagan-Kundle. Spontaneous pneumothorax as a complication of covid-19 pneumonia: a case report. *Clinical Practice and Cases in Emergency Medicine*. 2020;4(4).

Andrew Jersey, Leland Perice, Nicole Li, Jennifer Johnson, Tina Dulani. Acute angle-closure glaucoma secondary to vitreous hemorrhage diagnosed with the aid of point-of-care ultrasound. *Journal of Emergency Medicine*. 2020;59(6):e235-e237.

Leland Perice, Nir Barzilai, Joe Verghese, Erica F. Weiss, Roe Holtzer, Pinchas Cohen, Sofiya Milman. Lower circulating insulin-like growth factor-I is associated with better cognition in females with exceptional longevity without compromise to muscle mass and function. *Aging* (Albany NY). 2016;8(10):2414-2424.

BOOKS

Senior Editor for *Emra and AAED Nerve Blocks and Procedural Pain Management Guide*. Emergency Medicine Resident Association; 2023. ISBN-13: 978-1929854738.

Guidebook for regional analgesia in the emergency department published by the Emergency Medicine Residents Association. Served as senior editor by writing multiple chapters and peer reviewing content of entire book. Created and reviewed all the ultrasound assets within the book. Created digital version of the guidebook. Working as sole developer of the mobile application to be released this year.

BOOK CHAPTERS

Perice, L. *Book chapter: Approach to Analgesia. Emra and AAED Nerve Blocks and Procedural Pain Management Guide. 2023*

Perice, L. *Book chapter: Local Anesthetic Choice. Emra and AAED Nerve Blocks and Procedural Pain Management Guide. 2023*

Perice, L. *Book chapter: Dosing. Emra and AAED Nerve Blocks and Procedural Pain Management Guide. 2023*

Perice, L. *Book chapter: Risks of Regional Anesthesia. Emra and AAED Nerve Blocks and Procedural Pain Management Guide. 2023*

Perice, L. *Book chapter: Local Anesthetic Systemic Toxicity. Emra and AAED Nerve Blocks and Procedural Pain Management Guide. 2023*

Perice, L. *Book chapter: Evidence of Benefit. Emra and AAED Nerve Blocks and Procedural Pain Management Guide. 2023*

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

EMRA RA | Mobile phone application | <https://apps.apple.com/us/app/emra-ra/id6451369561>

- Developed, created, and published mobile application in coordination with the Emergency Medicine Residents' Association
- High-quality videos to take you through each procedure step by step

- Step by step instructions for performing each procedure
- Illustrations of the areas anesthetized by each procedure
- All content carefully vetted by top experts in the field
- Regularly updated with the most up-to-date regional anesthesia content
- Calculator to facilitate accurate and safe dosing while on shift

AHA ACLS | Mobile phone application | <https://apps.apple.com/us/app/aha-acls/id1506944443>

- Helped develop and continue to maintain the mobile application AHA ACLS, together with the American Heart Association, which is currently downloadable on the IOS application store
- 50,000 users in 125 countries to date
- Intuitive design to rapidly access 5 ACLS algorithms (i.e. cardiac arrest, cardiac arrest COVID-19, tachycardia with a pulse, bradycardia with a pulse, and post-cardiac arrest care)
- Easy-to-read timers and ability to log rounds of CPR, epinephrine, and defibrillations
- Designed to help physicians, physician assistants, and nurse practitioners deliver the highest level of care at the bedside

Ultrasound Box | Browser based education platform | [Ultrasoundbox.com](https://www.ultrasoundbox.com)

- Designed and maintain a mobile web application centered around ultrasound education
- Over 10,000 users from all over the world to date
- Teaches ultrasound by having the learner interpret ultrasound clips
- Usable on all mobile devices and phones
- Thousands of regular users from all over the world

MGH PALS | Mobile phone application | <https://apps.apple.com/sa/app/mgh-pals/id1577470913>

- Helped develop the mobile application MGH PALS
- 20,000 users in 125 countries to date
- Intuitive design to rapidly access to PALS algorithms and a critical care reference for drugs used in PALS, vital sign reference, and a digital Breslow tape

EMRA*Cast | Guest Speaker

Digitalizing Cardiac Arrest. 2021 | <https://www.emra.org/about-emra/publications/emra-cast/digitalizing-cardiac-arrest/>

- Discussed journey and experience of creating MGH-ACLS during the global pandemic

Learning Environment Action Plan | Writer | Policy Statement regarding learning environment among student learners at the Warren Alpert School of Medicine at Brown University. 2022

- Part of committee which drafted and published emergency department statement

with focus on eliminating mistreatment among student learners

ABSTRACTS (ORAL/POSTER)

1. James Tanch, Leland Perice, Donald Stader, Mark Brady. *Welcome to the Block Party: An Emergency Medicine Reference for Regional Anesthesia*. Annual SAEM New England Regional Meeting . Worcester, MA. 03/2023. Oral presentation.
2. James Tanch, Leland Perice, Donald Stader, Mark Brady. *Welcome to the Block Party: An Emergency Medicine Reference for Regional Anesthesia*. Council of Residency Directors in Emergency Medicine Annual Meeting. Austin, TX. 03/2023. Poster presentation.
3. Jenee Anekwe, Don Stader, Leland Perice, Mark Brady. *Block Party: The First Emergency Medicine Guidebook for Regional Pain Blocks*. Brown Summer Research Assistantship poster session. Providence, RI. 09/2022. Poster Presentation.
4. Leland Perice. *Embracing Digitization of Ultrasound Education*. Society for Academic Emergency Medicine Annual Meeting. New Orleans, LA. 05/2022. Oral Presentation.
5. Leland Perice, Leily Naraghi, Antonios Likourezos, Harpriya Singh, Lawrence Haines.
Ultrasound Box: A Novel Digital Ultrasound Education Tool. Society for Academic Emergency Medicine Annual Meeting. New Orleans, LA. 05/2022. Oral Presentation.
6. Leland Perice, Taryn Hoffman, MD, Joann Hsu, Christopher Stoll, Sergey Motov, Antonios Likourezos, Judy Lin, Eitan Dickman, Lawrence Haines, Leily Naraghi. *The Effect of a Dedicated Nerve-Block Team in the Emergency Department*. Society for Academic Emergency Medicine Annual Meeting. New Orleans, LA. 05/2022. Poster Presentation.
7. Leland Perice. *FOAMed Showcase: UltrasoundBox*. Society for Academic Emergency Medicine Annual Meeting. New Orleans, LA. 05/2022. Oral Presentation.
8. Leland Perice, Leily Naraghi, Antonios Likourezos, Harpriya Singh, Lawrence Haines.
Ultrasound Box: A Novel Digital Ultrasound Education Tool. Annual Mount Sinai West/Morning Regional Ultrasound Symposium. New York, NY. 04/2022. Poster Presentation.

9. Leland Perice, Taryn Hoffman, MD, Joann Hsu, Christopher Stoll, Sergey Motov, Antonios Likourezos, Judy Lin, Eitan Dickman, Lawrence Haines, Leily Naraghi. *The Effect of a Dedicated Nerve-Block Team in the Emergency Department*. Annual Mount Sinai West/Morning Regional Ultrasound Symposium. New York, NY. 04/2022. Poster Presentation.
10. Leland Perice, Leily Naraghi, Antonios Likourezos, Harpriya Singh, Lawrence Haines. *Implementation of a Digital Ultrasound Education Tool into an Emergency Medicine Rotation*. American Institute of Ultrasound in Medicine 2022 Annual Conference. San Diego, CA. 03/2022. Poster Presentation.
11. Leland Perice, Taryn Hoffman, MD, Joann Hsu, Christopher Stoll, Sergey Motov, Antonios Likourezos, Judy Lin, Eitan Dickman, Lawrence Haines, Leily Naraghi. *The Effect of a Dedicated Nerve-Block Team in the Emergency Department*. American Institute of Ultrasound in Medicine 2022 Annual Conference. San Diego, CA. 03/2022. Poster Presentation.
12. Jon Haverty. Dorothy Shi, Leland Perice, Christina Grimaldi, Thomas Perera, Mathew Nelson. *Ultrasound measurement of the intervertebral space in the Lateral Recumbent versus Sitting Positions*. American Institute of Ultrasound in Medicine 2022 Annual Conference. San Diego, CA. 03/2022. Poster Presentation.
13. Leland Perice. *Fellow Lightning Talk: The Future of Tech in Medicine is Now*. Society of Clinical Ultrasound Fellowships 2021 Annual Conference. Nashville, Tennessee. 09/2021. Oral Presentation.

INVITED PRESENTATIONS

Local

Pediatric Emergency Medicine know and grow - Procedural Ultrasound, Brown Emergency Medicine simulation center, 9/26/23

Introduction to Gallbladder ultrasound, Alpert medical school, Emergency Medicine Intern orientation, 6/26/2023

Aorta ultrasound, Brown Emergency Medicine Teaching Session, 04/27/23

Transesophageal Echo, Brown Emergency Medicine Faculty Meeting, Brown Emergency Medicine, 03/14/2023

Fundamentals of Point of Care Ultrasound, Scribe Early Education Program, Swim Center building, Rhode Island Hospital Campus on 10/20/22

Testicular Ultrasound, Brown Emergency Medicine Residency, Nursing Arts Building, Rhode Island Hospital Campus, 8/3/22

Regional

Invited speaker at the Center for Digital Health at Brown University, *Designing Intuitive Innovations within Medicine*. 02/15/2023

Invited Speaker, 4th Annual regional nerve block conference at Maimonides Medical Center 2023, *Plane Blocks: Serratus Anterior, Erector Spinae, Transversus Abdominis*

Invited Instructor, Rhode Island SoundWave Conference at the Warren Alpert Medical School of Brown University, *Procedural Ultrasound Session*. 10/9/2023

Organizer and Invited Speaker, 3rd Annual regional nerve block conference at Maimonides Medical Center 2022

- Gave lecture on anesthetic choice to attendees.
- Helped coordinate vendor booths, obtain CME credit for the event, oversaw hands on learning stations for various nerve blocks.

National

Instructor, Ultrasound Guided Regional Anesthesia Workshop at American College of Emergency Physicians 2023 Annual Conference, *Plane Blocks: Serratus Anterior, Erector Spinae, Fascia Iliaca*

Instructor, Trans Esophageal ECHO, Emergency Medicine & Critical Care Training Institute teaching session, Society of Clinical Ultrasound Fellowships Annual Conference, 2023

Served as a member in the working group Technology and Digital Tools as part of the 2023 Society of Academic Emergency Medicine Annual Conference Consensus Conference “Precision Emergency Medicine: Setting a Research Agenda”

REVIEWER/EDITORIAL ACTIVITIES

Academic Emergency Medicine Education and Training

Ad Hoc Reviewer

Grants

Brown Physicians Inc, Category 3 Research Grant

2023

- 12,500\$ grant to develop and implement a regional anesthesia curriculum at Brown Emergency Medicine

CURRICULUM DEVELOPMENT

Brown Emergency Medicine Regional Anesthesia Curriculum

- Developed and implemented a curriculum for the emergency medicine residents to be able to get regular hands on practice with different regional anesthesia techniques
- Implemented lectures into the regular residency conference curriculum on the topic of regional anesthesia

Emergency Medicine Residents Association (EMRA) Regional Anesthesia Course

- Created curriculum for, organized and ran the national EMRA Regional Anesthesia course at the American College of Emergency Physicians (ACEP) annual meeting in 2023.
- 60 resident and attending participants from all over the country.
- Recruited 12 expert instructors to teach the course
- Built 12 phantom models for all of the participants to get hands on practice
- Created the curriculum and agenda for all of the participants to follow
- Extremely positive feedback from all of the participants. Plan to make course an annual event.

HOSPITAL TEACHING ROLES

Ultrasound Faculty Instructor, Intern Preparation Course | Performed hands on teaching annually with the fourth-year medical student intern preparation course as part of their ultrasound curriculum. | 2022-Present

Ultrasound Faculty, Brown Emergency Medicine | Give lectures and assist with didactics related to ultrasound education during resident conference. Perform teaching scan shifts with the residents, medical students, and ultrasound fellows | 2022-Present

Course Instructor, Clinical Correlation Ultrasound Sessions for MS1 and MS2 | The Warren Alpert Medical School of Brown University | Directly taught hands on sessions in ultrasound twice a month at the medical school | 2022-Present

Course Preceptor, Emergency Ultrasound Rotation | The Warren Alpert Medical School of Brown University | EM5640 | Perform scan shifts with and give lectures to medical students on the emergency ultrasound elective | 2022-Present

Emergency Ultrasound Student Interest Group | The Warren Alpert Medical School of Brown University | Met with, helped develop a curriculum for and directly aid in teaching sessions for the student ultrasound interest group | 2022-Present

Emergency Medicine Residency Regional Anesthesia curriculum development | Helping develop a regional anesthesia curriculum for the residents to be able to increase their knowledge of and comfort with regional anesthesia | 2022-Present

Mentees:

Gabriel Walt | 2023 – present | Faculty Advisor

Maiya Cowan | 2023 || Acted as faculty mentor for research elective on digital innovation. Created online digital teaching module for the FAST exam.

Brendan Holmes | 2022 – present || Brown Emergency Medicine Resident | Acted as faculty mentor for research elective, acting as primary investigator for research project. Worked together to create curriculum in regional anesthesia for the emergency medicine residency.

James Tanch | 2022- 2023 | Brown Emergency Medicine Resident | Acted as faculty mentor for research elective, gave guidance in selecting topic on and presentation of senior grand rounds, Helping craft and guide research project involving regional anesthesia which led to a poster presentation of research at the Council of Emergency Medicine Residency Directors annual meeting and oral presentation at the 26th Annual SAEM New England Regional Meeting (NERDS23)

Jenee Anekwe | 2022 | Brown Undergraduate Student | Received funding through the Brown summer research assistantship program. Mentored in creating illustrations and labeled ultrasound images detailing different regional anesthesia techniques and presenting a poster on the work at the summer research assistantship poster session.

Ridhima Ghei | 2021-2022 | Emergency Medicine Resident | Mentored in the process of creating and participating in the process of digital innovation and creation of FOAMed content.

Michelle Haimowitz | 2021-2022 | Emergency Medicine Resident | Mentored in the process of curating and creating FOAMed content.