

# Louisa Weindruch, DO

## EDUCATION AND TRAINING

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**Baylor University Medical Center (BUMC) Department of Emergency Medicine**  
*Emergency Medicine Residency Program*  
*Chief Resident*

Dallas, TX  
June 2023 – June 2026 (Expected)

**University of North Texas Health Science Center, Texas College of Osteopathic Medicine (UNTHSC-TCOM)**  
*Doctor of Osteopathic Medicine*

Fort Worth, TX  
July 2019 – May 2023

**Southern Methodist University (SMU)**

*Bachelor of Arts, Biology; Bachelor of Science, Health & Society; Minor in French*

Dallas, TX  
August 2013 – May 2017

- Cum laude, Honors in the Liberal Arts

## AWARDS AND RECOGNITIONS

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Society of Academic Emergency Medicine – Excellence in Emergency Medicine Award	May 2023
Texas College of Emergency Physicians – Best Student Abstract Presentation	April 2022
Gold Humanism Honor Society	April 2022
SaferCare Texas Excellence in Patient Safety Research	March 2022
TCOM Student Doctor of the Month	February 2021
Council of Osteopathic Student Government, Gold Award	August 2020
• Recognition for over 100 hours of community service during the 2019-2020 school year	
Sigma Sigma Phi Osteopathic Honor Society	January 2020

## LEADERSHIP AND EXTRACURRICULARS

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**BUMC Emergency Medicine Residency Program**

*Academic Chief Resident*

March 2025 – Present

- Selected by residents and faculty to be one of three chief residents
- Worked alongside faculty to plan weekly educational conference which included lectures, simulation, and hands-on skills
- Assisted with orientation and education of new interns and medical students in the emergency department, as well as creation of senior resident teaching elective

*Event Planning and Social Media*

July 2023 – March 2025

- Created and posted digital content for the program's Instagram and Twitter pages
- Planned monthly social events for residents and rotating medical students, including the annual resident retreat
- Involved in residency recruitment events, including virtual information sessions, in-person socials, and interviews

**Emergency Medicine Residents' Association (EMRA) Health Policy Academy**

December 2024 – Present

*Health Policy Fellow*

- Selected to be a part of a year-long training program on health policy and advocacy in Emergency Medicine
- Served as Chair of the Reference Committee for EMRA's Spring 2025 Representative Council, in which we reviewed and provided recommendations on upcoming resolutions

**Emergency Medicine Residents' Association (EMRA) Ultrasound Committee**

*Immediate Past Chair*

February 2025 – Present

- Wrote, edited, and reviewed articles for the "POCUS for the Win" article series in EMResident Magazine
- Assisted with event planning for ACEP Scientific Assembly 2025

*Committee Chair*

February 2024 – January 2025

- Oversaw general functioning of the committee, including meetings, projects, and completing administrative tasks
- Reorganized submission process for "POCUS for the Win" article series in EMResident Magazine, which includes reviewing, editing, and writing articles for digital publication
- Planned events at ACEP Scientific Assembly 2024, including 2<sup>nd</sup> annual medical student POCUS workshop and ultrasound-guided regional anesthesia workshop

*Committee Chair-Elect*

February 2023 – February 2024

- Assisted with group projects and led committee meetings with the help of the Committee Chair
- Served as the EMRA Representative to the ACEP Ultrasound Section
- Planned and executed events for ACEP Scientific Assembly 2023, including a medical student POCUS workshop and first-

- annual ultrasound-guided regional anesthesia workshop
  - Assisted with planning and execution of musculoskeletal POCUS workshop at CORD 2023 Conference
- Assistant Vice Chair* February 2023 – February 2023
- Helped create a survey to evaluate prevalence of ultrasound curricula in medical schools
  - Assisted with planning of Resuscitative TEE workshop at ACEP Scientific Assembly 2022
- General Member* April 2021 – February 2022
- One of five committee members involved in a project aiming to provide POCUS resources to medical schools

- Emergency Medicine Residents' Association (EMRA) Leadership Academy** March 2023 – March 2024
- Program Participant*
- Selected to participate in year-long professional development course which featured monthly lectures and meetings with leaders in Emergency Medicine
  - Completed capstone project which involved surveying 2<sup>nd</sup> year medical students on their opinions of the Emergency Department

- Texas College of Emergency Physicians Medical Student Committee (TCEP MSC)** March 2022 – March 2023
- Medical Student Committee Chair*
- Oversaw committee activities, including meetings with student leaders and communication with the TCEP board
  - Worked alongside faculty to plan and execute TCEP Connect Conference events, including Residency Speed Dating and Medical Student "Olympics"
  - Attended legislative training sessions and participated in TCEP Advocacy Day at the Texas State Capitol

- UNTHSC Point-of-Care Ultrasound Microcredential Program** May 2021 – May 2022
- Student Coordinator*
- One of five student leaders involved in creating a comprehensive ultrasound workshop and certification program for senior medical students and residents
  - Played an integral role in program scheduling, curriculum development, recruitment, and student registration
  - Made over 20 gelatin phantom models to use for peripheral IV and needle biopsy simulation

- TCOM Ultrasound Interest Group (USIG)** August 2020 – March 2021
- Secretary*
- Supported executive board with planning and execution of meetings, ultrasound-related events, and social media
  - Played an integral role in planning, recruitment, and selection for Ultrasound Teaching Assistant Program

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## TEACHING AND MENTORSHIP

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- BUMC Emergency Medicine Residency Program** July 2024-Present
- Intern Orientation*
- Led workshops on various topics for incoming interns in Emergency Medicine
    - Chest tubes (July 2024)
    - eFAST (June 2025)
    - Fascia Iliaca Nerve blocks (July 2025)

- UNTHSC-TCOM Medical Student Workshops** May 2023 – Present
- Resident Speaker*
- Invited by TCOM student groups to give presentations and lead hands-on skills labs for medical students on the following topics:
    - Incision and drainage workshop (May 2023)
    - Central line and ultrasound-guided IV workshop (December 2023)
    - Airway and intubation workshop (September 2024)
    - eFAST workshop (October 2024)
    - Central line and ultrasound-guided IV workshop (January 2025)
    - Cadaver intubation and chest tube workshop (April 2025)

- Miscellaneous Teaching**
- TCU Medical Student Workshop* May 2024, May 2025
- Taught point-of-care ultrasound during the residency bootcamp day for fourth-year students

- Medstar Emergency Medical Services* February 2024
- Led small group workshop teaching paramedic students about the eFAST exam

## TCOM Ultrasound Teaching Assistant Program

March 2020 – May 2022

### Teaching Assistant

- As a second-year student, led ultrasound sessions for students during Year 1 Physical Exam, Year 2 Simulation Lab, and after-school practice sessions
- As a third-year student, led ultrasound instruction during the UNTHSC Point-of-Care Ultrasound Microcredential Program workshops
- Over 100 hours spent teaching point-of-care ultrasound
- Partnered with other teaching assistants to create a digital point-of-care ultrasound casebook for ultrasound-based simulation

## UNTHSC Center for Academic Performance

October 2020 – December 2022

### Peer Tutor

- Led one-on-one and large group tutoring sessions for TCOM students and UNTHSC graduate students in courses such as biochemistry, nervous system, and renal physiology

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## RESEARCH AND SCHOLARLY ACTIVITIES

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### Integrative Emergency Services (IES) Ultrasound CUSUM Learning Project

June 2025 – Present

- Assisted with learning curve analysis of cardiac ultrasounds from BUMC emergency medicine intern classes

### Fascia Iliaca Nerve Block Quality Improvement Project

September 2024 – Present

- Assisted with data collection through retrospective chart review following initiation of emergency department fascia iliaca hip fracture protocol

### 3D-Printed Phantom to Simulate Ultrasound-Guided Pericardiocentesis

December 2021 – May 2022

- One of three students involved in constructing a high-fidelity phantom to simulate ultrasound-guided pericardiocentesis

### Demonstration of Ultrasound Competency for Hypertrophic Cardiac Abnormalities in Pediatric Patients.

May 2021 – May 2022

- Evaluated medical students' ability to identify and measure the interventricular septum with faculty from the Department of Family Medicine

### Near Peer Ultrasound Education Evaluation

October 2020 – October 2021

- Created a survey for students and ultrasound teaching assistants to evaluate the efficacy of peer-to-peer teaching methods in TCOM's ultrasound program

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## PUBLICATIONS

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### Peer-Reviewed Publications

Harmsworth Smith A., **Weindruch L.**, Mayo R., Brewer J. The Stellate Ganglion Nerve Block: A Novel Use for Refractory Electrical Storm in the Emergency Department. – Pending Acceptance

Miller C., **Weindruch L.**, Gibson J. *Near Peer POCUS Education Evaluation*. POCUS J. 2022 Apr 21;7(1):166-170. doi: 10.24908/pocus.v7i1.15019. PMID: 36896277; PMCID: PMC9979912.

### Digital Publications

**Weindruch L.**, Harmsworth Smith A., Forehand C, Potomac W, Brewer J. Point-of-Care Ultrasound for the Diagnosis of Acute Pediatric Distal Radius Fractures. – Accepted Pending Publication

Harmsworth Smith, A., **Weindruch, L.**, Forehand C., Brewer J., Potomac W. POCUS for the Win: Point-of-Care Ultrasound for the Diagnosis of Acute Achilles Tendon Rupture. EMResident. <https://www.emra.org/emresident/article/pocus-ftw-achilles-tendon-rupture>. May 7, 2025.

**Weindruch L.**, Potomac W., Barnes R. POCUS for the Win: Retrobulbar Spot Sign. EMResident. <https://www.emra.org/emresident/article/pocus-ftw-retrobulbar-spot-sign>. November 18, 2024.

**Weindruch, L.**, Terlizese, T., & Miller, C. *Creating a Novel 3D-Printed Phantom to Simulate Ultrasound-Guided Pericardiocentesis*. <https://apps.aacem.org/get-involved/sections/eus/newsletter/summer-2022#originalresearch>. July 11, 2022.

**Weindruch, L.** *Don't forget the socks and shoes: a reflection on the third year of medical school.*

<https://www.kevinmd.com/2022/03/dont-forget-the-socks-and-shoes-a-reflection-on-the-third-year-of-medical-school.html>. February 21, 2022.

Miller, C., & **Weindruch, L.** *Providing Early Access to POCUS.* <https://www.pocus.org/providing-early-access-to-pocus/>. November 02, 2021

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## PRESENTATIONS AND POSTERS

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### Presentations

#### Local

1. **Weindruch, L.** Brewer, J. *Resuscitative Transesophageal Echocardiography.* Baylor University Medical Center Emergency Medicine Journal Club. Dallas, TX. March 26, 2025.
2. **Weindruch, L.** Harmsworth Smith, A. *Management of Early Pregnancy Loss with Mifepristone and Misoprostol.* Baylor University Medical Center Emergency Medicine Journal Club. Dallas, TX. January 22, 2025.

#### Regional

3. **Weindruch, L.** Aust, Z. *Grace 3 Guidelines: Acute Dizziness and Vertigo in the Emergency Department.* Integrative Emergency Services Journal Club (Virtual). Fort Worth, TX. November 20, 2024.
4. **Weindruch, L.** *Medical Student Advocacy – Tips for Finding Your Place in Organized Medicine.* Texas College of Emergency Physicians Connect Conference. Austin, TX, USA. April 16, 2023.

#### National

1. **Weindruch, L.** *Immigration Policy and its Potential Impact on ED Patient Care.* ACEP Leadership and Advocacy Conference. Washington, DC. April 27, 2025.
2. **Weindruch, L.** Guest contributor. *Talking with Residents: The Mistakes We Make.* EMRACast Podcast. Hosted by Maiya Smith. Published Feb. 15, 2025. <https://www.emra.org/about-emra/publications/emra-cast/mistakes-in-medicine-2025>
3. **Weindruch, L.** Guest contributor. *Post Match Chat with the RSO.* EM Over Easy Podcast. Hosted by Andy Little, Tanner Gronowski. Published May 2023.
4. **Weindruch, L.,** Wyszynski, K. *Demonstration of Ultrasound Competency for Hypertrophic Cardiac Abnormalities in Pediatric Patients.* Inteleos POCUS World Virtual Conference (Virtual). Rockville, MD, USA. September 17, 2022.
5. Miller, C., **Weindruch, L.** *Creating a Novel 3D Printed Phantom to Stimulation Ultrasound-Guided Pericardiocentesis.* Inteleos POCUS World Virtual Conference (Virtual). Rockville, MD, USA. September 16, 2022.
6. **Weindruch, L.** *Community Outreach - How Your EMIG Can Make a Difference at Your School and Beyond.* American College of Osteopathic Emergency Physicians Spring Seminar. Fort Lauderdale, FL, USA. April 10, 2022.
7. Miller, C., **Weindruch, L.,** Gibson, J. *Near Peer Ultrasound Education Evaluation.* Rural Training Track Collaborative Annual Meeting (Virtual). Athens, OH, USA. April 09, 2021.

#### International

1. Miller, C., **Weindruch, L.,** Gibson, J. *Near Peer Ultrasound Education Evaluation.* Suranaree University of Technology International Conference on Science and Technology (Virtual). Nakhon-Ratchasima, Thailand. August 06, 2021.

### Posters

1. **Weindruch, L.** Busse, D. *An Unusual-Appearing Umbilicus.* Society for Academic Emergency Medicine Clinical Images Exhibit. Philadelphia, Pennsylvania. May 14, 2025.
2. **Weindruch, L.** Zeinali, I. *HIV-Associated Myocarditis: A Unique Presentation of Ventricular Tachycardia in the Emergency Department.* Baylor University Medical Center Research Forum. Dallas, Texas. April 8, 2025.
3. Zozaya J, **Weindruch L,** Cao DJ. *Pediatric Ingestion of Poison Hemlock Look-Alike Presenting with Neuromuscular Symptoms.* North American Congress of Clinical Toxicology. Denver, CO, USA. September 19, 2024.
4. Miller, C., **Weindruch, L.,** Wyszynski, K., Gibson, J. *Ultrasound Microcredential: A Novel Method to Enhance Ultrasound Education.* JPS Research & Quality Symposium (Virtual). Fort Worth, TX, USA. June 03, 2022.
5. **Weindruch, L.,** Wyszynski, K., Gibson, J., Krishnagiri, A., Terlizze, T., Do, T., Holley, B., Broadbent, D., Biggerstaff, M., *Demonstration of Ultrasound Competency for Hypertrophic Cardiac Abnormalities in Pediatric Patients.* JPS Research & Quality Symposium (Virtual). Fort Worth, TX, USA. June 03, 2022.
6. Miller, C., **Weindruch, L.,** Wyszynski, K., Gibson, J. *Ultrasound Microcredential: A Novel Method to Enhance Ultrasound*

*Education*. American Association of Colleges of Osteopathic Medicine Annual Conference (Virtual). Denver, CO, USA. April 29, 2022.

7. Miller, C., **Weindruch, L.**, Gibson, J. *Near Peer Ultrasound Education Evaluation*. American Association of Colleges of Osteopathic Medicine Annual Conference (Virtual). Denver, CO, USA. April 29, 2022.
8. Terlizese, T., Miller, C., **Weindruch, L.** *Creating a Novel 3D Printed Phantom to Stimulation Ultrasound-Guided Pericardiocentesis*. Texas College of Emergency Physicians Re-Connect 2022. Fort Worth, TX, USA. April 23, 2022.
9. Miller, C., **Weindruch, L.**, Wyszynski, K., Gibson, J. *Ultrasound Microcredential: A Novel Method to Enhance Ultrasound Education*. UNTHSC Research Appreciation Day (Virtual). Fort Worth, TX, USA. March 25, 2022.
10. **Weindruch, L.**, Wyszynski, K., Gibson, J., Krishnagiri, A., Terlizese, T., Do, T., Holley, B., Broadbent, D., Biggerstaff, M., *Demonstration of Ultrasound Competency for Hypertrophic Cardiac Abnormalities in Pediatric Patients*. UNTHSC Research Appreciation Day (Virtual). Fort Worth, TX, USA. March 25, 2022.
11. Terlizese, T., Miller, C., **Weindruch, L.** *Creating a Novel 3D Printed Phantom to Stimulation Ultrasound-Guided Pericardiocentesis*. UNTHSC Research Appreciation Day (Virtual). Fort Worth, TX, USA. March 25, 2022.
12. Miller, C., **Weindruch, L.**, Wyszynski, K., Gibson, J. *Ultrasound Microcredential: A Novel Method to Enhance Ultrasound Education*. American Institute of Ultrasound in Medicine 2022 Annual Meeting. San Diego, CA, USA. March 12, 2022.
13. **Weindruch, L.**, Wyszynski, K., Gibson, J., Krishnagiri, A., Terlizese, T., Do, T., Holley, B., Broadbent, D., Biggerstaff, M., *Demonstration of Ultrasound Competency for Hypertrophic Cardiac Abnormalities in Pediatric Patients*. American Institute of Ultrasound in Medicine 2022 Annual Meeting. San Diego, CA, USA. March 12, 2022.
14. Miller, C., **Weindruch, L.**, Gibson, J. *Near Peer Ultrasound Education Evaluation*. American Academy of Family Physicians Global Health Summit (Virtual). Leawood, KS, USA. October 22, 2021.
15. Miller, C., **Weindruch, L.**, Gibson, J. *Near Peer Ultrasound Education Evaluation*. Family Medicine Experience (FMX) American Academy of Family Physicians Conference (Virtual). Leawood, KS, USA. October 02, 2021.
16. Miller, C., **Weindruch, L.**, Gibson, J. *Near Peer Ultrasound Education Evaluation*. Inteleos POCUS World Virtual Conference (Virtual). Rockville, MD, USA. September 17, 2021.
17. Miller, C., **Weindruch, L.**, Gibson, J. *Near Peer Ultrasound Education Evaluation*. John Peter Smith Research and Quality Symposium (Virtual). Fort Worth, TX, USA. May 04, 2021.
18. **Weindruch, L.**, Huettner, N., Selby, S. *Scholarly Review of Case Study: "Recovery of a 16-Year-Old Girl from Trauma and Burns after a Car Accident"*. UNTHSC Research Appreciation Day (Virtual). Fort Worth, TX, USA. March 22, 2021.
19. Miller, C., **Weindruch, L.**, Gibson, J. *Near Peer Ultrasound Education Evaluation*. UNTHSC Research Appreciation Day (Virtual). Fort Worth, TX, USA. March 22, 2021.

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## TRAININGS AND CERTIFICATIONS

Pediatric Advanced Life Support (PALS)	June 2025
Neonatal Resuscitation Program (NRP)	June 2025
Advanced Cardiac Life Support (ACLS)	April 2025
Basic Cardiac Life Support (BLS)	April 2025
Advanced Trauma Life Support (ATLS)	July 2023
UNTHSC Point-of-Care Ultrasound Microcredential, Primary Care	November 2021
UNTHSC Point-of-Care Ultrasound Microcredential, EM/IM/Critical Care	January 2022

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## HOBBIES AND PERSONAL INTERESTS

- Cooking, baking, and entertaining for friends and family
- Traveling – I've been to 13 countries and look forward to visiting more in the future
- Sports and exercise – workout classes (yoga, spin, pilates), tennis, and outdoor walks