

## **CURRICULUM VITAE**

**Jared T Marx, MD**

**CAMPUS ADDRESS:** Department of Emergency Medicine  
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### **EDUCATION**

2000 - 2003 Bachelor of Arts, Spanish; Minor; Chemistry, Weber State University, Ogden, UT  
2003 - 2007 Doctor of Medicine, University of Texas Health Science Center at San Antonio, TX

### **POST DEGREE TRAINING**

2007 - 2010 Resident, Emergency Medicine, University of Nebraska Medical Center, Omaha, NE  
2010 - 2011 Fellow, Emergency Ultrasound, Palmetto Health Richland, Columbia, SC

### **CONTINUING EDUCATION AND TRAINING**

2010 - 2010 Emergency Ultrasound Management Course, Scientific Assembly, American College of Emergency Physicians, Las Vegas, NV  
2012 - 2012 Emergency Ultrasound Management Course, Scientific Assembly, American College of Emergency Physicians, Denver, CO  
2012 - 2014 Faculty Leadership Academy- Phases I and II, Advisory Board Company. Washington DC and University of Kansas Hospital, Kansas City, KS  
2014 - 2014 Emergency Ultrasound Management Course, Advanced Track, Scientific Assembly, American College of Emergency Physicians, Chicago, IL  
2014 - 2015 Faculty Quality Academy, University of Kansas Hospital, Kansas City, KS  
02/2018 - 03/2018 Power Presentations, University of Nebraska Medical Center  
05/2024 - 05/2024 Resuscitative TEE Workshop, Mayo Clinic

### **ACADEMIC APPOINTMENTS**

2021 - Present Professor of Emergency Medicine, Emergency Medicine, University of Nebraska College of Medicine, Omaha, NE  
2019 - Present Advanced EM Ultrasonography Fellowship Director, Emergency Medicine, University of Nebraska College of Medicine, Omaha, NE  
2020 - 2022 Director: POCUS Coil, College of Medicine, University of Nebraska Medical Center, Omaha, NE  
2019 - 2020 Co-Director: POCUS Coil, College of Medicine, University of Nebraska

2017 - 2021	Medical Center, Omaha, NE Associate Professor, Emergency Medicine, University of Nebraska Medical Center, Omaha, NE
2016 - 2017	Associate Professor, Emergency Medicine, University of Kansas School of Medicine, Kansas City, KS
2016 - 2016	Clinical Associate Professor, Emergency Medicine, University of Kansas Hospital, Kansas City, KS
2014 - 2017	Emergency Ultrasound Administrative Fellowship Director, Emergency Medicine, University of Kansas Hospital, Kansas City, KS
2011 - 2016	Clinical Assistant Professor, Emergency Medicine, University of Kansas Hospital, Kansas City, KS
2010 - 2011	Emergency Ultrasound Fellow, Emergency Department, Palmetto Health Richland, Columbia, SC
2009 - 2010	Chief Resident, Emergency Medicine, University of Nebraska Medical Center, Omaha, NE

## **CERTIFICATIONS AND LICENSES**

2007 - 2010	Advanced Trauma Life Support (ATLS)
2007 - 2011	Advanced Cardiovascular Life Support (ACLS)
2007 - 2011	Pediatric Advanced Life Support (PALS)
2011 - Present	American Board of Emergency Medicine 49291
2017 - 2020	Advanced Trauma Life Support (ATLS)
2022 - Present	American Board of Emergency Medicine: Advanced Emergency Medicine Ultrasonography Focused Practice Designation (AEMUS FPD)
2009 - Present	Nebraska Medical License, Nebraska, 25328
2010 - 2013	South Carolina License, South Carolina, 32519
2011 - 2017	Kansas Medical License, Kansas, 04-34966

## **GRANTS AND CONTRACT SUPPORT**

### **PATENTS**

1. Oral Specimen Collection Apparatus. (Serial No. US 63/381,250) (UNMC Docket #UNE 21021P) 01/27/2022.

## **OTHER APPOINTMENTS AND POSITIONS**

2010 - 2011	Attending Physician, Emergency Department, Carolina Care LLC; Palmetto Heath Richland, Columbia, SC
2011 - 2015	Ultrasound Director, Emergency Department, University of Kansas Hospital, Kansas City, KS
2011 - 2017	Attending Physician, Emergency Department, University of Kansas Hospital Emergency Medicine, Kansas City, KS
2015 - 2017	Emergency Ultrasound Division Chief, Emergency Medicine, University of Kansas Hospital, Kansas City, KS

2017 - Present      Attending Staff Physician, Emergency Medicine, Nebraska Medicine, Omaha, NE  
2017 - Present      Ultrasound Director, Emergency Medicine, Nebraska Medicine, Omaha, NE

## **CONSULTING POSITIONS**

### **Other**

2015 - 2015      Institutional Reviewer, Clinical Ultrasound Accreditation Program (CUAP), American College of Emergency Physicians

## **HONORS AND AWARDS**

2006                  George W. Brackenridge Scholarship, University of Texas Health Science Center, San Antonio, TX  
2009-2010          Chief Resident Emergency Medicine, Emergency Medicine Residency Program, University of Nebraska Medical Center, Omaha, NE  
2010-Present      Fellow, American Academy of Emergency Medicine  
2012-Present      Fellow, American College of Emergency Physicians  
2017                  Faculty Educator of the Year, University of Kansas Medical Center, Emergency Medicine Residency, Kansas City, KS  
2022                  Certificate of Appreciation, Clinical Ultrasound Accreditation Program - American College of Emergency Physicians  
2023                  Licensed Technology - Oral Specimen Collection Apparatus, UNeMed Innovation Awards 2023

## **MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES**

Member, American College of Emergency Physicians  
Member, Society of Academic Emergency Medicine  
Member, American Institute of Ultrasound in Medicine  
Member, American Academy of Emergency Medicine

## **COMMITTEE ASSIGNMENTS**

### **College of Medicine**

2022 - Present      Member, Professor and Tenure Promotion Committee (PTPC), University of Nebraska College of Medicine, Omaha, NE

### **Departmental**

2017 - Present      Member, Faculty Education Committee, Department of Emergency Medicine; University of Nebraska Medical Center, Omaha, NE  
2019 - Present      Member, Peer Review Committee, Department of Emergency Medicine; University of Nebraska Medical Center, Omaha, NE

### **National/International**

2015 - 2022	Board Member, Clinical Ultrasound Accreditation Program (CUAP), American College of Emergency Physicians
2017 - 2018	Ex-Oficio Board Member, Geriatric Emergency Department Accreditation, American College of Emergency Physicians
2019 - 2021	Board Member - Secretary, ACEP's Clinical Ultrasound Accreditation Program (CUAP), American College of Emergency Physicians

### **University-Wide**

2011 - 2017	Member, Hemodynamic Committee, University of Kansas Hospital, Kansas City, KS
2011 - 2017	Member, Critical Care Committee, University of Kansas Hospital, Kansas City, KS
2015 - 2017	Co-Chair, Point of Care Ultrasound Committee, University of Kansas Hospital, Kansas City, KS

### **PRESENTATIONS**

1. Marx J. 3rd Rock Ultrasound: Emergency Ultrasound Course: The Introductory Ultrasound Course. 12-hour Ultrasound Skills Workshop/Lecture; 2010. Warren MI
2. Marx J. 3rd Rock Ultrasound: Emergency Ultrasound Course: The Vascular, Introductory and Advanced Ultrasound Courses. 18-hour Ultrasound Skills Workshop/Lecture; 2010. Columbia, SC
3. Marx J. 3rd Rock Ultrasound: Emergency Ultrasound Course: The Vascular, Introductory and Advanced Ultrasound Courses. 18- hour Ultrasound Skills Workshop/Lecture; 2010. Las Vegas, NV
4. Marx J. Critical Care Ultrasound. Invited Lecture; Emergency Medicine Residency Program; 2011. University of Iowa
5. Marx J. 3rd Rock Ultrasound: Emergency Ultrasound Course: The Introductory Ultrasound Course. 18-hour Ultrasound Skills Workshop/Lecture; 2011. Las Vegas, NV
6. Marx J. 3rd Rock Ultrasound: The Emergency Ultrasound Course: Introductory and Advanced Ultrasound Courses. 24-Hour Ultrasound Skills Workshop/Lecture; 2011. Fayetteville NC
7. Marx J. 3rd Rock Ultrasound: Emergency Ultrasound Course: The Introductory Ultrasound Course. 16-hour Ultrasound Skills Workshop/Lecture; 2013. Sidney, NE
8. Marx J. Bedside Ultrasound: Critical Care Ultrasound: Cardiac Ultrasound. Invited Grand Rounds Emergency Medicine Residency Program; 2014. University of Nebraska Medical Center
9. Marx J. Intern Orientation Bedside Ultrasound: Introduction to Bedside Ultrasound. Invited Workshop Emergency Medicine Residency Program, Skills Lab (16 Hours); 2014. University of Nebraska Medical Center
10. Marx J. Bedside Ultrasound: Cardiac Ultrasound. Invited Lecture, Trauma Lecture Series, Department of Surgery; 2015. University of Kansas University
11. Marx J. Midlevel Bootcamp; Bedside Ultrasound: Cardiac Ultrasound. Invited Workshop, Ultrasound Skills Lab (2 Hours); 2016. Kansas University Medical Center
12. Marx J. Midlevel Bootcamp; Bedside Ultrasound: Cardiac Ultrasound. Invited

- Lecture; 2016. Kansas University Medical Center
13. Marx J. Cases: Shortness of Breath. Emergency Residency: Grand Rounds; 2017. University of Nebraska Medical Center
  14. Marx J. Fisica de ultrasonido basico y Bontones Basicos. 2018 Sep. Archbishop Loayza National Hospital, Universidad Peruana Cayetano Heredia, Lima, Lima, Peru
  15. Marx J. Ultrasonido Cardiaco Basico. 2018 Sep. Archbishop Loayza National Hospital, Universidad Peruana Cayetano Heredia, Lima, Lima, Peru
  16. Marx J. Ultrasonido de Musculo Esqueletico: Efusiones, Dislocaciones, Fracturas, y Tendones. 2018 Sep. Archbishop Loayza National Hospital, Universidad Peruana Cayetano Heredia, Lima, Lima, Peru
  17. Marx J. Ultrasonido de Vesicula Biliar. 2018 Sep. Archbishop Loayza National Hospital, Universidad Peruana Cayetano Heredia, Lima, Lima, Peru
  18. Marx J. Acceso Venoso con Guia de Ultrasonido e Identificacion y Saqueo de Cuerpos Extranos con Guia de Ultrasonido. 2018 Sep. Archbishop Loayza National Hospital, Universidad Peruana Cayetano Heredia, Lima, Lima, Peru
  19. Marx J. Patologia y casos de Aorta Abdominal y Ultrasonido de las Venas Profundas de las Extremidades Bajas. 2018 Sep. Archbishop Loayza National Hospital, Universidad Peruana Cayetano Heredia, Lima, Lima, Peru
  20. Marx J. Ultrasonido de Tejidos Blandos. 2018 Sep. Archbishop Loayza National Hospital, Universidad Peruana Cayetano Heredia, Lima, Lima, Peru
  21. Marx J. Ultrasonido para Trombosis de las Venas Profundas (TVP) de las Extremidades Bajas. 2018 Sep. Archbishop Loayza National Hospital, Universidad Peruana Cayetano Heredia, Lima, Lima, Peru
  22. Marx J. Ultrasonido de Aorta Abdominal. 2018 Sep. Archbishop Loayza National Hospital, Universidad Peruana Cayetano Heredia, Lima, Lima, Peru
  23. Marx J. Patologia y casos en Ultrasonido Cardiaco, Ultrasonido Toracico, y E-FAST. 2018 Sep. Archbishop Loayza National Hospital, Universidad Peruana Cayetano Heredia, Lima, Lima, Peru
  24. Marx J. Ultrasonido Toracico. 2018 Sep. Archbishop Loayza National Hospital, Universidad Peruana Cayetano Heredia, Lima, Lima, Peru
  25. Marx J; Nelsen DJ. Evaluating the Emergent Patient: Pump and Tank. 2019 Aug. Hunan Provincial People's Hospital, Changsha, Hunan, China
  26. Marx J; Nelsen DJ. Evaluating the Emergent Patient: Pipes. 2019 Aug. Hunan Provincial People's Hospital, Changsha, Hunan, China
  27. Marx J; Nelsen DJ. Evaluating the Emergent Patient: General Considerations. 2019 Aug. Hunan Provincial People's Hospital, Changsha, Hunan, China
  28. Marx J. Accreditation Breakout Group Leader. Emergency Ultrasound Management Course: Scientific Assembly Pre-course, American College of Emergency Physicians; 2019 Oct. Denver, CO
  29. Marx JT. Quality, Safety, and Accreditation. Emergency Ultrasound Management Course: Scientific Assembly Pre-course, American College of Emergency Physicians; 2020 Oct 07. Virtual Presentation
  30. Marx JT. POCUS: Heart, Lungs and Fluid Management. Hunan Provincial People's Hospital; 2020 Dec. Changsha, Hunan, China
  31. Marx JT. Lower Extremity DVT Ultrasound. Hunan Provincial People's Hospital; 2020 Dec. Changsha, Hunan, China

32. Marx JT. Quality, Safety, and Accreditation. Emergency Ultrasound Management Course: Scientific Assembly Pre-course, American College of Emergency Physicians; 2021 Oct 24. Boston, MA
33. Marx JT. Distance hands-on training in the COVID-19 era. Innovative Ultrasound Cloud Simulation; 2021 Dec 17. Webinar
34. Marx JT. EFAST - Ultrasound Use in Trauma. Hunan Provincial People's Hospital Ultrasound Conference; 2021 Dec 16. Hunan Provincial People's Hospital, Changsha, Hunan, China - Video Conference
35. Marx JT. EFAST - Case of Hemoperitoneum. Hunan Provincial People's Hospital Ultrasound Conference; 2021 Dec 16. Hunan Provincial People's Hospital, Changsha, Hunan, China - Video Conference
36. Marx JT. EFAST - Case of Hemopericardium. Hunan Provincial People's Hospital Ultrasound Conference; 2021 Dec 16. Hunan Provincial People's Hospital, Changsha, Hunan, China - Video Conference
37. Marx JT. EFAST - Case of Pneumothorax. Hunan Provincial People's Hospital Ultrasound Conference; 2021 Dec 16. Hunan Provincial People's Hospital, Changsha, Hunan, China - Video Conference
38. Marx JT. Clinical Ultrasound Accreditation: Why It Should Matter to You. Emergency Ultrasound Management Course: Scientific Assembly Pre-course, American College of Emergency Physicians; 2022 Sep 30. San Francisco, CA, USA
39. Marx JT. E-FAST in Trauma. Stormont Vail Health: 2022 Trauma & Critical Care Symposium; 2022 Oct 14. Stormont Vail Health, Topeka, KS, USA
40. Marx JT. Point of Care Ultrasound in Evaluation of Acute Kidney Injury. Hunan Provincial People's Hospital Ultrasound Conference; 2022 Dec. Hunan Provincial People's Hospital, Changsha, Hunan, China - Video Conference
41. Marx JT. Point of Care Ultrasound: Basic Renal Ultrasound. Hunan Provincial People's Hospital Ultrasound Conference; 2022 Dec. Hunan Provincial People's Hospital, Changsha, Hunan, China - Video Conference
42. Marx JT. Effectiveness of Remote Mentoring to Teach Focused Cardiac Ultrasound - a randomized control pilot study. IMSH; 2023 Jan 25. Orlando, FL, USA
43. Marx JT. POCUS: Heart, Lungs and Fluid Management. 8th Asia-Pacific International Emergency Forum - Chinese Medical Association; 2023 Jul. Changsha, Hunan, China
44. Marx JT. Ultrasound Accreditation: Why It Should Matter to You. Emergency Ultrasound Management Course: Scientific Assembly Pre-course, American College of Emergency Physicians; 2023 Oct 8. Philadelphia, PA
45. Marx JT. POCUS in the Emergency Department. 2023 Health Overseas Talent Forum; 2023 Dec. Hunan Provincial Health Commission - Hunan, China
46. Marx JT. POCUS in Cardiogenic Shock. 2023 Health Overseas Talent Forum; 2023 Dec. Hunan Provincial Health Commission - Hunan, China
47. King JC; Johnson RR; Geske JA; Marx JT. AAA screening rates in Internal Medicine and Family Medicine at UNMC. 2024 North American Primary Care Research Group - Annual Meeting; 2024 11/20. Quebec City Conventions Center, Quebec City, Quebec, Canada
48. Marx JT. Accreditation and Why It Matters. Emergency Ultrasound Management Course: Scientific Assembly Pre-course, American College of Emergency Physicians;

- 2024 09/28. Las Vegas, NV
49. Marx JT. E-FAST exam. The Point-of-Care Ultrasound Application Training Course for Acute and Critical Illnesses of Hunan Province (The Ninth Session); 2024 Dec. Changsha, Hunan, China
  50. Marx JT. Cardiac Ultrasound. Sound Emergency Medicine Conference; 2025 Feb 8. UnityPoint Health - Des Moines, IA
  51. Marx JT. Biliary Ultrasound. Sound Emergency Medicine Conference; 2025 Feb 7. UnityPoint Health - Des Moines, IA
  52. King JC; Johnson RR; Geske JA; Marx JT. AAA screening rates in Internal Medicine and Family Medicine at UNMC. Sound Emergency Medicine Conference; 2025 Feb 07. Des Moines, IA
  53. Marx JT. Ultrasound Guided Vascular Access. Critical Care Ultrasound Course; 2025 May 20. University of Nebraska Medical Center, Omaha, NE
  54. Marx JT. POCUS Critical Care Cases. Critical Care Ultrasound Course; 2025 May 20. University of Nebraska Medical Center, Omaha, NE
  55. Marx JT. Round Table - Clinical Implementation of POCUS. Critical Care Ultrasound Course; 2025 May 20. University of Nebraska Medical Center, Omaha, NE
  56. Marx JT. Cardiac Ultrasound. Critical Care Ultrasound Course; 2025 May 20. University of Nebraska Medical Center, Omaha, NE

## **PUBLICATIONS**

### **A. ARTICLES PUBLISHED IN SCHOLARLY JOURNALS**

1. Adhikari S; Marx J; Crum TJ. Point-of-care ultrasound diagnosis of acute Achilles tendon rupture in the ED. *The American Journal of Emergency Medicine*. 2012; Vol. 30 (4): p. e633-634. 0735-6757
2. Brown B; Adhikari SR; Marx JT; Lander L. Introduction of ultrasound into gross anatomy curriculum: perceptions of medical students. *The Journal of emergency medicine*. 2012; Vol. 43 (6) 0736-4679
3. Adhikari SR; Marx J. Point-of-care ultrasound diagnosis of a ruptured live ectopic pregnancy with massive hemoperitoneum. *The Journal of emergency medicine*. 2013 Jan; Vol. 44 (1): p. 194-196. 0736-4679
4. Marx JT; Blaivas M. Airway and Thoracic Ultrasound. *Ultrasound Clinics*. 2014 Apr; Vol. 9 (2): p. 211-216
5. Adhikari S; Schmier C; Marx JT. Focused simulation training: emergency department nurses' confidence and comfort level in performing ultrasound-guided vascular access. *Journal of Vascular Access*. 2015 Jun; Vol. 16 (6): p. 515-520. 1129-7298
6. Marx JT; Virkler J. Diagnosis of an Arteriovenous (AV) Graft Pseudoaneurysm by Bedside Ultrasound in the Emergency Department. *The Journal of emergency medicine*. 2016 Feb; Vol. 50 (2): p. 330-332. 0736-4679
7. Jackson BS, Sepula M, Marx JT, Cannon CM. Inferior Vena Cava Filter Limb Fracture with Embolization to the Right Ventricle. *J Emerg Med*. 53: 248-251. 2017
8. Bowman CF; Pruitt B; Marx J; Thornton SL. Massive Iatrogenic Pediatric Ketamine Overdose with Serial Levels and Minimal Morbidity. *Pediatric emergency care*. 2019

- Feb; 0749-5161
9. Jackson BS; Sarani N; Marx JT; Cannon CM. Suture Granuloma Diagnosed and Treated with Bedside Ultrasound. *The Journal of emergency medicine*. 2021 Aug; Vol. 62 (1): p. e1-e4. 0736-4679
  10. Lamarche R; Marx JT; Ma J; Claudy SL. Perceived Importance of Ultrasound Vascular Access Education among Residents. *Graduate Medical Education Research Journal*. 2023 Dec; Vol. 5 (2)

## **B. ARTICLES ACCEPTED FOR PUBLICATION IN SCHOLARLY JOURNALS**

Not Applicable

## **C. ARTICLES SUBMITTED FOR PUBLICATION IN SCHOLARLY JOURNALS**

Not Applicable

## **D. BOOKS PUBLISHED, IN PREPARATION, SUBMITTED OR IN PRESS**

Not Applicable

## **E. CHAPTERS IN BOOKS**

1. Marx JT, Mattu A, et al. Avoiding Common Errors in the Emergency Department. Second. Lippincott Williams and Wilkins; 2017. Early Pregnancy: Sifting out the potential catastrophes from the worried well
2. Marx JT, Editors. Ultrasound Program Management. 2nd. Springer; 2025. Ultrasound Accreditation – In Press

## **F. BOOKS OR JOURNALS EDITED**

## **G. ABSTRACTS AND PRELIMINARY COMMUNICATIONS**

1. Adhikari S; Schmier CA; Marx J; Barnason SA. Focused ultrasound simulation training: An assessment of emergency medicine nurses' confidence, comfort level and competency in performing us guided vascular access. *Acad Emerg Med*. 2010, Vol. 17 (5): S119
2. Thornton SL; Pruitt B; Marx J. Massive inadvertent pediatric ketamine overdose with serial levels. *Clinical Toxicology*. 2015, Vol. 53 (7): 719
3. Gronbeck KR; Barksdale A; Marx JT. The Role of Point of Care Ultrasound in the Diagnosis and Management of Shoulder Dislocation. *Annals of Emergency Medicine*. 2021 Oct, Vol. 78: s131
4. Lamarche R; Claudy S; Marx JT; Ma J. Pediatric and Medicine Residents' Perceptions of Ultrasound Vascular Access & Results of an Inter-Specialty Simulation-Based Ultrasound Vascular Access Workshop. *Chest* 2022; Nashville, TN. *CHEST Journal*. 2022 Oct, Vol. 162: A2603
5. Nguyen TT; Bonk CL; Nelsen DJ; Marx JT. Evaluating the Feasibility of Using a

- Tele-Mentoring Model in Performing a Two-Point Deep Vein Thrombosis (DVT) Ultrasound Scan with Novice Sonographers. *Innovations in Health Sciences Education Journal*. 2023 Mar, Vol. 1: Iss 3
6. Marx JT; Bonk CL; Nelsen DJ; Lyden ER; Misra A. Effectiveness of Remote Mentoring to Teach Focused Cardiac Ultrasound - a randomized control pilot study. *IMSH 2023; Orlando, FL, USA. The Journal of the Society for Simulation in Healthcare*. 2023 Jun, Vol. 18(3): e1-e42
  7. Nguyen, Thanh; Marx JT. Evaluating the feasibility of using a tele-mentoring model in performing a two-point deep venous thrombosis (DVT) ultrasound scan with novice sonographers. *World Association for Disaster and Emergency Medicine 2025 Conference; Tokyo, Japan. 2025 Jun*

## **H. PUBLISHED AUDIOVISUAL OR COMPUTER-BASED EDUCATIONAL MATERIALS AND COMPUTER SOFTWARE**

1. Marx J. POCUS Geek: Ultrasound Physics: Scanning Modes: Pulse Wave Doppler. YouTube; 2016. Internet
2. Marx J. POCUS Geek: Ultrasound Physics: Scanning Modes: M Mode [<https://www.youtube.com/c/POCUSGeek>] YouTube; Sep 2016. Internet
3. Marx J. POCUS Geek: Ultrasound Physics: Scanning Modes: Color Doppler [POCUS Geek: Ultrasound Physics: Scanning Modes: Color Doppler] YouTube; Sep 2016. Internet
4. Marx J. POCUS Geek: Ultrasound Physics: Scanning Modes: B Mode [POCUS Geek: Ultrasound Physics: Scanning Modes: B Mode] YouTube; Sep 2016. Internet
5. Marx J. POCUS Geek: Ultrasound Physics: Basics Physics and Image Generation [<https://www.youtube.com/c/POCUSGeek>] YouTube; Sep 2016. Internet
6. Marx J. POCUS Geek: Ultrasound Physics Attenuation [<https://www.youtube.com/c/POCUSGeek>] YouTube; Sep 2016. Internet
7. Marx J. POCUS Geek: Bedside Ultrasound Basic Cardiac US [<https://www.youtube.com/c/POCUSGeek>] YouTube; Sep 2016. Internet
8. Marx J. POCUS Geek: Bedside Ultrasound Abdominal Aorta [<https://www.youtube.com/c/POCUSGeek>] YouTube; Sep 2016. Internet
9. Marx J. POCUS Geek: POCUS E-FAST: Cardiac Anatomy [<https://www.youtube.com/c/POCUSGeek>] YouTube; Oct 2016. Internet
10. Marx J. POCUS Geek: POCUS E-FAST: Clinical Pearls [<https://www.youtube.com/c/POCUSGeek>] YouTube; Oct 2016. Internet
11. Marx J. POCUS Geek: POCUS E-FAST: Thoracic Anatomy [<https://www.youtube.com/c/POCUSGeek>] YouTube; Oct 2016. Internet
12. Marx J. POCUS Geek: POCUS E-FAST: Abdominal Anatomy [<https://www.youtube.com/c/POCUSGeek>] YouTube; Oct 2016. Internet
13. Marx J. POCUS Geek: POCUS: E-FAST -What are the binary questions? [<https://www.youtube.com/c/POCUSGeek>] YouTube; Oct 2016. Internet
14. Marx J. POCUS Geek: Ultrasound Physics: Imaging Artifacts [<https://www.youtube.com/c/POCUSGeek>] YouTube; Oct 2016. Internet
15. Marx J. POCUS Geek: POCUS - Thoracic/Lung Basic Ultrasound and Anatomy [<https://www.youtube.com/c/POCUSGeek>] YouTube; Oct 2016. Internet

16. Marx J. POCUS Geek: POCUS Lower Extremity Deep Venous Thrombosis (DVT) [<https://www.youtube.com/c/POCUSGeek>] YouTube; Oct 2016. Internet
17. Marx J. POCUS Geek: POCUS PLAX Severely Reduced EF [<https://www.youtube.com/c/POCUSGeek>] YouTube; Oct 2016. Internet
18. Marx J. POCUS Geek: POCUS PLAX Normal EF [<https://www.youtube.com/c/POCUSGeek>] YouTube; Oct 2016. Internet
19. Marx J. POCUS Geek: POCUS -Cardiac PSAX Severely Reduced EF [<https://www.youtube.com/c/POCUSGeek>] YouTube; Nov 2016. Internet
20. Marx J. POCUS Geek: POCUS -Cardiac PSAX Normal EF [<https://www.youtube.com/c/POCUSGeek>] YouTube; Nov 2016. Internet
21. Marx J. POCUS Geek: POCUS -Cardiac AP4 Severely Reduced EF [<https://www.youtube.com/c/POCUSGeek>] YouTube; Nov 2016. Internet
22. Marx J. POCUS Geek: POCUS -Cardiac AP4 Normal EF [<https://www.youtube.com/c/POCUSGeek>] YouTube; Nov 2016. Internet
23. Marx J. POCUS Geek: POCUS -Cardiac IVC Respiratory Variation [<https://www.youtube.com/c/POCUSGeek>] YouTube; Nov 2016. Internet
24. Marx J. POCUS Geek: POCUS -Cardiac Subxiphoid Normal EF [<https://www.youtube.com/c/POCUSGeek>] YouTube; Nov 2016. Internet
25. Marx J. POCUS Geek: POCUS -Cardiac Subxiphoid Severely Reduced EF [<https://www.youtube.com/c/POCUSGeek>] YouTube; Nov 2016. Internet
26. Marx J. POCUS Geek: POCUS -Cardiac IVC Change with fluids [<https://www.youtube.com/c/POCUSGeek>] YouTube; Nov 2016. Internet
27. Marx J. POCUS Geek: POCUS Case: Shortness of Breath Case 1 [<https://www.youtube.com/c/POCUSGeek>] YouTube; Dec 2016. Internet
28. Marx J. POCUS Geek: POCUS Case: Shortness of Breath Case 2 [<https://www.youtube.com/c/POCUSGeek>] YouTube; Dec 2016. Internet
29. Marx J. POCUS Geek: POCUS Case: Occult Foreign Body Localization and Removal [<https://www.youtube.com/c/POCUSGeek>] YouTube; Jan 2017. Internet
30. Marx J. POCUS Geek: Teaching Point: Epicardial Fat Pad [<https://www.youtube.com/c/POCUSGeek>] YouTube; Jan 2017. Internet
31. Marx J. POCUS Geek: Teaching Point: Pericardial Effusion [<https://www.youtube.com/c/POCUSGeek>] YouTube; Jan 2017. Internet
32. Marx J. POCUS Geek: POCUS Case: Shortness of Breath Case 3 [<https://www.youtube.com/c/POCUSGeek>] YouTube; Feb 2017. Internet
33. Marx J. POCUS Geek: Teaching Point: Ultrasound vs CXR in Pneumonia [<https://www.youtube.com/c/POCUSGeek>] YouTube; Mar 2017. Internet
34. Marx J. POCUS Geek: POCUS - EFAST - Pitfalls [<https://www.youtube.com/c/POCUSGeek>] YouTube; Oct 2017. Internet
35. Marx J. POCUS Geek: POCUS - Female Pelvis - Transabdominal Scanning Sequence [<https://www.youtube.com/c/POCUSGeek>] YouTube; Dec 2017. Internet
36. Marx J. POCUS Geek: POCUS - Female Pelvis - Transvaginal Scanning Sequence [<https://www.youtube.com/c/POCUSGeek>] YouTube; Sep 2018. Internet
37. Marx J. POCUS Geek: POCUS - Lung Ultrasound: How to Diagnose a pneumothorax with ultrasound [<https://www.youtube.com/c/POCUSGeek>] YouTube; Sep 2018. Internet
38. Marx J. POCUS Geek: POCUS - Lung Ultrasound: Understanding B Lines and

- Hepaticization [<https://www.youtube.com/c/POCUSGeek>] YouTube; Sep 2018. Internet
39. Marx J. POCUS Geek: POCUS: Basic Renal Ultrasound [<https://www.youtube.com/c/POCUSGeek>] YouTube; Dec 2018. Internet
  40. Marx J. POCUS Geek: POCUS: Gallbladder Ultrasound Anatomy [<https://www.youtube.com/c/POCUSGeek>] YouTube; Dec 2018. Internet
  41. Marx J. POCUS Geek: POCUS - Calculus Cholecystitis Pathophysiology [<https://www.youtube.com/c/POCUSGeek>] YouTube; Dec 2018. Internet
  42. Marx J. POCUS Geek: POCUS: Lower Extremity Deep Venous Thrombosis (DVT) - Updated [<https://www.youtube.com/c/POCUSGeek>] YouTube; Jan 2019. Internet
  43. Marx J. POCUS Geek: POCUS: Right Lower Extremity Deep Venous Thrombosis (DVT) [<https://www.youtube.com/c/POCUSGeek>] YouTube; Jan 2019. Internet
  44. Marx J. POCUS Geek: POCUS: Assessing Cardiac Chamber Size [<https://www.youtube.com/c/POCUSGeek>] YouTube; Feb 2019. Internet
  45. Marx J. POCUS Geek: POCUS: Soft Tissue Ultrasound: Superficial Thrombophlebitis [<https://www.youtube.com/c/POCUSGeek>] YouTube; Mar 2019. Internet
  46. Marx J. POCUS Geek: POCUS: Soft Tissue Ultrasound: Lymphadenopathy [<https://www.youtube.com/c/POCUSGeek>] YouTube; Mar 2019. Internet
  47. Marx J. POCUS Geek: POCUS: Soft Tissue Ultrasound: Subcutaneous Air [<https://www.youtube.com/c/POCUSGeek>] YouTube; Mar 2019. Internet
  48. Marx J. POCUS Geek: POCUS: Soft Tissue Ultrasound: Abscess [<https://www.youtube.com/c/POCUSGeek>] YouTube; Mar 2019. Internet
  49. Marx J. POCUS Geek: POCUS: Soft Tissue Ultrasound: Cobblestoning [<https://www.youtube.com/c/POCUSGeek>] YouTube; Mar 2019. Internet
  50. Marx J. POCUS Geek: POCUS: Soft Tissue Ultrasound: Soft Tissue Edema [<https://www.youtube.com/c/POCUSGeek>] YouTube; Mar 2019. Internet
  51. Marx J. POCUS Geek: POCUS: Venous Access: Part 2 [<https://www.youtube.com/c/POCUSGeek>] YouTube; Mar 2019. Internet
  52. Marx J. POCUS Geek: POCUS: Venous Access: Part 1 [<https://www.youtube.com/c/POCUSGeek>] YouTube; Mar 2019. Internet
  53. Marx J. POCUS Geek: POCUS: Lower Extremity DVT Evaluation: Algorithm for the Low-Risk Patient [<https://www.youtube.com/c/POCUSGeek>] YouTube; Apr 2019. Internet
  54. Marx J. POCUS Geek: POCUS: Lower Extremity: DVT Evaluation: Algorithm for the Moderate-Risk Patient [<https://www.youtube.com/c/POCUSGeek>] YouTube; Apr 2019. Internet
  55. Marx J. POCUS Geek: POCUS: Lower Extremity: DVT Evaluation: Algorithm for the High-Risk Patient [<https://www.youtube.com/c/POCUSGeek>] YouTube; Apr 2019. Internet
  56. Marx J. POCUS Geek: POCUS: Shoulder Dislocation: Ultrasound Guided Analgesia [<https://www.youtube.com/c/POCUSGeek>] YouTube; May 2019. Internet
  57. Marx J. POCUS Geek: POCUS: Evaluating for Shoulder Dislocation with Ultrasound [<https://www.youtube.com/c/POCUSGeek>] YouTube; May 2019. Internet
  58. Marx J. POCUS Geek: Measuring the Fetal Heart Rate with M-Mode [<https://www.youtube.com/c/POCUSGeek>] YouTube; Nov 2019. Internet

59. Marx J. POCUS Geek: Ejected Driver from Rollover at Highway Speeds --EFAST [<https://www.youtube.com/c/POCUSGeek>] YouTube; Mar 2020. Internet
60. Marx J. POCUS Geek: POCUS - COVID Lung Ultrasound [<https://www.youtube.com/c/POCUSGeek>] YouTube; Mar 2020. Internet
61. Marx J. POCUS Geek: POCUS: 1st Trimester Pregnancy Case 1 [<https://www.youtube.com/c/POCUSGeek>] YouTube; Apr 2020. Internet
62. Marx J. POCUS Geek: POCUS: 1st Trimester Pregnancy Case 2 [<https://www.youtube.com/c/POCUSGeek>] YouTube; Apr 2020. Internet
63. Marx J. POCUS Geek: POCUS: 1st Trimester Pregnancy Case 3 - Twin Gestation 6w5d [<https://www.youtube.com/c/POCUSGeek>] YouTube; May 2020. Internet
64. Marx J. POCUS Geek: POCUS: 1st Trimester Pregnancy Case 4 - Ectopic Pregnancy [<https://www.youtube.com/c/POCUSGeek>] YouTube; May 2020. Internet
65. Marx J. POCUS Geek: POCUS: 1st Trimester Pregnancy Case 5 - Complex Adnexal Mass [<https://www.youtube.com/c/POCUSGeek>] YouTube; May 2020. Internet
66. Marx J. POCUS Geek: POCUS: Cardiac Ultrasound - Subxiphoid Short Axis [<https://www.youtube.com/c/POCUSGeek>] YouTube; Jun 2020. Internet
67. Marx JT; Bonk CL. POCUS: 1st Trimester Pregnancy Case 6 - Pregnancy Unknown Location [<https://youtu.be/GfTJ9UwIPeI>] YouTube; Apr 2021. Internet
68. Marx JT. POCUS - Extended Focused Assessment with Sonography in Trauma (EFAST) - Revised 2021 [<https://youtu.be/Xv0abFuo5gY>] 2nd. YouTube; Jun 2021. Internet
69. Marx JT. POCUS - Cardiac Arrest Case and Review [<https://youtu.be/wvfXjim0Lqk>] YouTube; Jul 2021. Internet
70. Marx JT. POCUS - Visually Estimating Cardiac Function [<https://youtu.be/KA-4Gp1b1RY>] YouTube; Jul 2021. Internet
71. Marx JT. POCUS - Positive EFAST exam with hemopericardium [<https://youtu.be/t1z6bMCIHvs>] YouTube; Nov 2021. Internet
72. Marx JT. POCUS - Fall from ladder with lung point and pneumothorax [[https://youtu.be/a1goWxA\\_twM](https://youtu.be/a1goWxA_twM)] YouTube; Nov 2021. Internet
73. Marx JT. POCUS: E-FAST - Progression of Free Fluid in the Right Upper Quadrant (RUQ) - Short Video [<https://www.youtube.com/watch?v=gdZoCTG4bLM>] YouTube; Jul 2022. Slides
74. Marx JT. POCUS: Cardiac - Misdiagnosis for Asystole [<https://www.youtube.com/watch?v=a6TQ87-9i-g&t=11s>] YouTube; Aug 2022. Internet
75. Marx JT. POCUS: Misdiagnosis of Pneumothorax [<https://www.youtube.com/watch?v=0N2wPVXdXzA&t=1s>] YouTube; Aug 2022. Internet
76. Marx JT; Rogers SL. UNMC expands its clinical simulation program into infant ultrasound, with BabyWorks. <https://www.intelligentultrasound.com/2022/10/05/unmc-invests-in-babyworks/>; Sep 2022. Internet Vendor Press Release
77. Marx JT. POCUS Geek: Ureterolithiasis at the Ureterovesical Junction (UVJ) with Twinkle Artifact [Video] [<https://www.youtube.com/watch?v=uHTYQQI8004>] YouTube; Nov 2022. Internet
78. Marx JT. POCUS Geek: Urinary Retention with Bilateral Severe

- Hydronephrosis [Video] [<https://www.youtube.com/watch?v=CYf3aHj9OMY>] YouTube; Dec 2022. Internet
79. Marx JT. POCUS Geek: POCUS in Acute Renal Failure [Video] [<https://www.youtube.com/watch?v=VqnVecMUIGs>] YouTube; Dec 2022. Internet
  80. Marx JT. POCUS Geek: Patient Draping for Cardiac Ultrasound [Video] [<https://www.youtube.com/watch?v=SdIIRXUe19Y>] YouTube; Mar 2023. Internet
  81. Marx JT. POCUS Geek: Patient Draping for Lung Ultrasound [Video] [<https://www.youtube.com/watch?v=dGF1-txkZpY>] YouTube; Mar 2023. Internet
  82. Jorgenson RP; Marx JT. POCUS Geek: Ultrasound Guided Distal Radius Fracture Reduction [Video] [<https://www.youtube.com/watch?v=JpQJDbAhp4>] YouTube; Apr 2023. Internet
  83. Marx JT. POCUS: Lung Ultrasound - Basic Anatomy and Lung sliding - Updated - 2nd Edition [<https://youtu.be/PCMozYHVqHo>] POCUS Geek: YouTube; Aug 2023. Internet
  84. Marx J. POCUS: Lung Ultrasound - Basic Anatomy and Lung sliding - updated 2nd Edition [<https://www.youtube.com/watch?v=PCMozYHVqHo>] POCUS Geek: YouTube; Aug 2023. Internet
  85. Marx J. POCUS: Lung ultrasound - identifying B-lines [<https://www.youtube.com/watch?v=Z7blejKdIdY>] POCUS Geek: YouTube; Sep 2023. Internet
  86. Marx JT. POCUS: Lung Ultrasound - Identifying B-lines [<https://youtu.be/Z7blejKdIdY>] POCUS Geek: YouTube; Sep 2023. Internet
  87. Marx JT. POCUS: Lung Ultrasound - Irregular pleural line [<https://youtu.be/LKjlMYTawGQ>] POCUS Geek: YouTube; Oct 2023. Internet
  88. Marx J. POCUS: Positive E-FAST after MVC - Can you identify all of the findings? [<https://www.youtube.com/watch?v=xKTr9p4TSgM>] POCUS Geek: YouTube; Oct 2023. Internet
  89. Marx JT. POCUS: Case of Cardiogenic Shock [<https://youtu.be/tfMZWyWbeGg>] POCUS Geek: YouTube; Feb 2024. Internet
  90. Marx J. Case of cardiogenic shock [<https://www.youtube.com/watch?v=tfMZWyWbeGg>] POCUS Geek: YouTube; Feb 2024. Internet
  91. Marx JT. Cardiogenic shock case 2: Part 2 explanation [<https://www.youtube.com/watch?v=jooHZaVRLgY>] POCUS Geek: YouTube; May 2024. Internet
  92. Marx JT. Cardiogenic Shock Case 2: Part 1 - Interpretation Challenge & Part 2- Explanation [<https://youtu.be/jooHZaVRLgY>] POCUS Geek: YouTube; May 2024. Internet
  93. Marx JT. AEMUS Fellowship discussion with a community director [<https://youtu.be/172AHEnofKg>] POCUS Geek: YouTube; Jul 2024. Internet
  94. Marx JT. POCUS Geek AEMUS fellowship discussion with a community director [<https://www.youtube.com/watch?v=172AHEnofKg>] POCUS Geek: YouTube; Jul 2024. Internet
  95. Marx JT. "Walking the needle in" on Lumbar Puncture [<http://youtube.com/watch?v=xck5GgPnCbU>] POCUS Geek: YouTube; Aug 2024. Internet

96. Marx JT. POCUS: Ultrasound Guided Lumbar Puncture [https://youtu.be/3wnZ52ocrNE] POCUS Geek: YouTube; Aug 2024. Internet
97. Marx JT. POCUS Geek: What is a HIDA scan and how is it performed? [http://youtube.com/watch?v=8-yNSUsETBQ] POCUS Geek: YouTube; Sep 2024. Internet
98. Marx JT. Positive E-FAST Exam [https://youtu.be/NR7Yt72zRyM] POCUS Geek: You; Feb 2025. Internet
99. Marx JT. POCUS Cases: Lung Ultrasound Nuances - Not all B-Lines are Congestive Heart Failure [https://youtu.be/\_DBSsTLZGXw] POCUS Geek: YouTube; Apr 2025. Internet
100. Marx JT. Adjusting the Time Gain Compensation (TGC) [https://youtube.com/shorts/ntedsDG6Aok?feature=share] POCUS Geek: YouTube; Apr 2025. Internet
101. Marx JT. Subcutaneous air will make an EFAST equivocal [https://youtube.com/shorts/19O\_xJcQ7YU?feature=share] POCUS Geek: YouTube; Apr 2025. Internet
102. Marx JT. Integrating POCUS into Curriculum [https://podcasts.apple.com/us/podcast/medical-education-trends-meet/id1562951944?i=1000704628630] Tehran, Iran: Medical Education Trends (MEET) Podcast with Dr Mehrdad Heravi; Apr 2025. Internet
103. Marx JT. POCUS: EFAST - Is there free fluid in the Right Upper Quadrant? [https://youtu.be/5tgU6go78Qk] POCUS Geek: YouTube; May 2025. Internet

## **I. PUBLISHED CONTINUING EDUCATION MATERIALS**

Not Applicable

## **J. EDITORIALS**

Not Applicable

## **K. CONFERENCE PROCEEDING**

Not Applicable

## **COMMUNITY SERVICE**

1. 2024 - Present Member, Douglas County Overdose Fatality Review Program, Douglas County Health Department

## **EDUCATION / TEACHING ACTIVITY**

### **A. COURSES, TEAM TAUGHT**

**Physiology Teaching Assistant**

Instructor:

University of Texas Health Science Center at San Antonio, Teaching Assistant for MS1 Physiology Lab, 1.00 hour/week, 2004-2005

## **B. COURSES, INDIVIDUAL TAUGHT**

### **Advanced Emergency Medicine Ultrasonography (AEMUS) Fellowship Scan Lab**

#### Instructor:

University of Nebraska Medical Center, POCUS Skills Lab, 7.50 hours/month, 2022 – 2024; 2025-Present

### **Beginners Spanish for Medical Students**

University of Texas Health Science Center at San Antonio, 1.00 hour/week, 2003-2004

## **C. GRADUATE STUDENT INSTRUCTION**

### **College of Allied Health Professions**

#### Instructor:

1. POCUS: EFAST, University of Nebraska Medical Center, POCUS Lab, 3.00 hours 2018-2019

### **College of Medicine**

#### Advisor:

1. POCUS Interest Group, University of Nebraska Medical Center, POCUS Skills Lab, 2.00 hours 2023

#### Director:

1. Curriculum Enhancement Rotation: POCUS - Cardiac and E-FAST, University of Nebraska Medical Center, 4.00 hours/year, 2019 - 2022
2. Ob/Gyn Clerkship - POCUS: Female Pelvis Transabdominal/Transvaginal, University of Nebraska Medical Center, POCUS Skills Lab, 6.00 hours/quarter, 2019 - 2021
3. Surgery Clerkship: E-FAST Skills Lab, University of Nebraska Medical Center, POCUS Skills Lab, 2.00 hours/quarter, 2019 - 2022

#### Instructor:

1. POCUS Coil Scan Lab - Abdominal Organs, University of Nebraska Medical Center, Block 8 - GI, 8.00 hours/year, 2017 - Present
2. POCUS Coil Scan Lab - Abdominal Vessels, University of Nebraska Medical Center, Block 8 - GI, 8.00 hours/year, 2017 - Present
3. POCUS Coil Scan Lab - Soft tissue and MSK Ultrasound, University of Nebraska Medical Center, Block 3 - MSK, 3.00 hours/year, 2017 - Present
4. POCUS Coil Scan Lab - Cardiac Ultrasound, University of Nebraska Medical Center, Block 4 - Circulatory, 8.00 hours/year, 2018 - Present
5. POCUS Coil Scan Lab - Kidneys/Bladder, University of Nebraska Medical Center, Block 10 - GU/Gyn/Reproductive, 8.00 hours/year, 2018 - Present
6. Curriculum Enhancement Series- POCUS: EFAST/Aorta/GB, University of Nebraska Medical Center, 2.00 hours/year, 2023
7. Curriculum Enhancement Series- RUSH exam and Bald ER Doc, University of

Nebraska Medical Center, 2.00 hours/year, 2024

Lecture:

1. MS1: Vascular Anatomy of the Neck with Ultrasound, University of Nebraska Medical Center, 1.00 hour 2009
2. Clinical US Introduction, University of Nebraska Medical Center, POCUS Orientation and Physics Lecture, 1.00 hour/year, 2020 – 2022
3. Acute Care Block - POCUS cases, University of Nebraska Medical Center, MS3 Lecture, 1.00 hour/year, 2021 – Present
4. Acute Cholecystitis and Ascending Cholangitis, University of Nebraska Medical Center, MS2 Lecture - GI Block, 1.00 hour/year, 2024 – Present
5. POCUS physics, University of Nebraska Medical Center, MS1 - Introductory Block, 1.00 hour 2023 - Present

**D. RESIDENCY/FELLOWSHIP**

**Advanced Emergency Medicine Ultrasonography (AEMUS) Fellowship Didactics**

Lecture:

1. AEMUS: Advanced Cardiac Ultrasound, University of Nebraska Medical Center, 2.00 hours/year, 2020-2024
2. AEMUS: Advanced Ultrasound Physics, University of Nebraska Medical Center, 1.00 hour/year, 2020-2024
3. AEMUS: Airway/Neck Ultrasound, University of Nebraska Medical Center, 2021-2024
4. AEMUS: Basic Cardiac Ultrasound, University of Nebraska Medical Center, 2.00 hours/year, 2020-2024
5. AEMUS: Basic Ultrasound Physics, University of Nebraska Medical Center, 2020-2024
6. AEMUS: Bowel Ultrasound, University of Nebraska Medical Center, 2021; 2024
7. AEMUS: Critical Care Ultrasound, University of Nebraska Medical Center, 2020-2021
8. AEMUS: Female Pelvis: Part 1 - Early Pregnancy, University of Nebraska Medical Center, 2021-2023
9. AEMUS: Lower Extremity DVT Ultrasound, University of Nebraska Medical Center, 2020; 2023
10. AEMUS: Musculoskeletal Ultrasound, University of Nebraska Medical Center, 2020-2022
11. AEMUS: Ocular Ultrasound, University of Nebraska Medical Center, 2020-2022
12. AEMUS: Pediatric Ultrasound, University of Nebraska Medical Center, 2022-2023
13. AEMUS: Procedural Ultrasound - Lumbar Puncture, University of Nebraska Medical Center, 2022-2024
14. AEMUS: Procedural Ultrasound - Vascular Access, University of Nebraska Medical Center, 2021-2023
15. AEMUS: Procedural: Nerve Blocks, University of Nebraska Medical Center, 2022-2024
16. AEMUS: Renal Ultrasound, University of Nebraska Medical Center, 2020; 2022-2023

17. AEMUS: Soft Tissue Ultrasound, University of Nebraska Medical Center, 2020-2024
18. AEMUS: Thoracic Ultrasound, University of Nebraska Medical Center, 2020; 2023-2024
19. AEMUS: Trauma: E-FAST, University of Nebraska Medical Center, 2020-2024
20. AEMUS: Upper Extremity Deep Venous Thrombosis (DVT), University of Nebraska Medical Center, 2022-2024
21. Cadaver Lab: Nerve Blocks and Arthrocentesis, University of Nebraska Medical Center, 2.00 hours/year, 2022-2024
22. AEMUS: Introduction to Fellowship, University of Nebraska Medical Center, 1.00 hour/year, 2020 - Present
23. Abdominal Aorta Ultrasound, University of Nebraska Medical Center, 2020
24. AEMUS: Abdomen and Bowel Ultrasound, University of Nebraska Medical Center, 1.00 hour 2020
25. AEMUS: Basic Emergency Ultrasound Review, University of Nebraska Medical Center, 2.00 hours 2020
26. AEMUS: Basic Ultrasound Review: Abdominal Aorta, Lower Extremity DVT, Thoracic, University of Nebraska Medical Center, 2020
27. AEMUS: Basic Ultrasound Review: Physics, E-FAST, Cardiac, University of Nebraska Medical Center, 2020
28. AEMUS: Basic Ultrasound Review: Pregnancy, Renal, Gallbladder, University of Nebraska Medical Center, 2020
29. AEMUS: Basic Ultrasound Review: Soft Tissue, MSK, Vascular Access, University of Nebraska Medical Center, 2020
30. AEMUS: Biliary Ultrasound, University of Nebraska Medical Center, 2020
31. AEMUS: Female Pelvis Ultrasound - Pregnancy and Gynecologic, University of Nebraska Medical Center, 1.00 hour 2020
32. AEMUS: Procedural Ultrasound, University of Nebraska Medical Center, 1.50 hours 2020
33. AEMUS: Occult Foreign Body Detection and Removal, University of Nebraska Medical Center, 2021 - 2024
34. AEMUS: Emergency Ultrasound Administration, University of Nebraska Medical Center, 1.50 hours 2021
35. AEMUS: Testicular Ultrasound, University of Nebraska Medical Center, 2021
36. AEMUS: Ultrasound in Cardiac Hemodynamics, University of Nebraska Medical Center, 2021
37. AEMUS: Ultrasound in Pediatrics, University of Nebraska Medical Center, 2021
38. AEMUS: Vascular Ultrasound: Arterial, University of Nebraska Medical Center, 2021
39. AEMUS: POCUS Administration Parts 1-4, University of Nebraska Medical Center, 2.00 hours/year, 2022 - 2024
40. AEMUS: Introduction to Sonographic planes and basic physics, University of Nebraska Medical Center, 2023 - Present
41. AEMUS: Basics of ultrasound guided procedures, University of Nebraska Medical Center, 2023
42. AEMUS: Cardiac Part 2 - Supplement views and Tamponade, University of Nebraska Medical Center, 2023

43. AEMUS: Cardiac: Part 1 - Basic exam, University of Nebraska Medical Center, 2023
44. AEMUS: Cardiac: Part 1 - Basic exam, University of Nebraska Medical Center, 2023
45. AEMUS: Female Pelvis Part 1 - Early Pregnancy Ultrasound, University of Nebraska Medical Center, 2023
46. AEMUS: Physics: Part 1 - Basic Ultrasound Physics, University of Nebraska Medical Center, 2023
47. AEMUS: Point of Care Ultrasound Program Administration Part 1 - Billing and Documentation, University of Nebraska Medical Center, 2023
48. AEMUS: Point of Care Ultrasound Program Administration Part 1 - Billing and Documentation, University of Nebraska Medical Center, 2023
49. AEMUS: Retroperitoneal: Part 1 - Abdominal Aorta Ultrasound, University of Nebraska Medical Center, 2023
50. AEMUS: Retroperitoneal: Part 2 - Renal Tract Ultrasound, University of Nebraska Medical Center, 2023
51. AEMUS: Thoracic ultrasound, University of Nebraska Medical Center, 2023
52. AEMUS: Trauma -EFAST, University of Nebraska Medical Center, 2023
53. AEMUS: Vascular: Part 1 - Lower Extremity DVT Ultrasound, University of Nebraska Medical Center, 2023
54. AEMUS: Abdomen - Advanced Hepatobiliary, University of Nebraska Medical Center, 2024
55. AEMUS: Abdomen Part 3 - Hepatobiliary Ultrasound - Advanced pathologies, University of Nebraska Medical Center, 2024
56. AEMUS: Abdomen Part 4 - Bowel Ultrasound, University of Nebraska Medical Center, 2024
57. AEMUS: Administration Part 2 - Infection control and machine maintenance, University of Nebraska Medical Center, 2024
58. AEMUS: Administration Part 3- Accreditation, credentialing and privileging, University of Nebraska Medical Center, 2024
59. AEMUS: Administration Part 4 - POCUS organizations and Department Leadership, University of Nebraska Medical Center, 2024
60. AEMUS: Cardiac Part 3 - Left Heart Function, University of Nebraska Medical Center, 2024
61. AEMUS: Cardiac Part 4 - Right Heart Function, University of Nebraska Medical Center, 2024
62. AEMUS: Education Part 3 - Utilization of social and mixed media, University of Nebraska Medical Center, 2024
63. AEMUS: Education Part 4 - Competency Assessment, University of Nebraska Medical Center, 2024
64. AEMUS: Education Part 4 - Competency Assessment, University of Nebraska Medical Center, 2024
65. AEMUS: Physics Part 2 - Doppler Ultrasound, University of Nebraska Medical Center, 2024
66. AEMUS: Vascular Part 2 - Upper Extremity DVT Ultrasound, University of Nebraska Medical Center, 2024

## **Emergency Medicine Residency: Conference Lectures**

1. EFAST and decision making, University of Nebraska Medical Center, 2023
2. EM Residency Small Group didactics - Acute vision loss, University of Nebraska Medical Center, 2.00 hours 2024
3. EM Residency Small Group didactics - Acute vision loss, University of Nebraska Medical Center, 2.00 hours 2024
4. EM Residency Small Group didactics - POCUS in hypotension and critical care, University of Nebraska Medical Center, 2.00 hours 2024
5. POCUS: 1ST Trimester Pregnancy Ultrasound, University of Nebraska Medical Center, 1.00 hour/year, 2020-2021
6. POCUS: Abdominal Aorta, University of Kansas Medical Center, 1.00 hour 2013, 2014, 2016
7. POCUS: Abdominal Aorta, University of Nebraska Medical Center, 1.00 hour/year, 2017; 2019; 2022
8. POCUS: Cardiac Ultrasound, University of Kansas Medical Center, 1.00 hour/year, 2012-2016
9. POCUS: Cardiac Ultrasound, University of Nebraska Medical Center, 1.00 hour 2017; 2019; 2021
10. POCUS: Cases in Emergency Ultrasound, University of Nebraska Medical Center, 1.00 hour/year, 2019; 2020
11. POCUS: Ectopic Pregnancy, University of Kansas Medical Center, 1.00 hour/year, 2011, 2012, 2013, 2015, 2017
12. POCUS: EFAST, University of Nebraska Medical Center, 1.00 hour/year, 2017; 2022
13. POCUS: Gallbladder Ultrasound, University of Kansas Medical Center, 1.00 hour/year, 2013; 2016
14. POCUS: Gallbladder/Biliary Ultrasound, University of Nebraska Medical Center, 1.00 hour/year, 2019; 2022
15. POCUS: Lower Extremity DVT, University of Kansas Medical Center, 1.00 hour 2014, 2016
16. POCUS: Lower Extremity DVT, University of Nebraska Medical Center, 1.00 hour/year, 2017; 2019; 2022
17. POCUS: Musculoskeletal Ultrasound, University of Nebraska Medical Center, 1.00 hour 2018-2019
18. POCUS: Pregnancy Ultrasound, University of Nebraska Medical Center, 1.00 hour/year, 2018; 2020
19. POCUS: Rapid Ultrasound for Shock and Hypotension, University of Kansas Medical Center, 1.00 hour/year, 2014-2015
20. POCUS: Thoracic Ultrasound, University of Nebraska Medical Center, 1.00 hour/year, 2017; 2019
21. POCUS: Ultrasound Physics and Knobology, University of Kansas Medical Center, 1.00 hour 2014; 2016
22. Topic: Cholangitis & Cholecystitis, University of Kansas Medical Center, 1.00 hour/year, 2011, 2013, 2014
23. Topic: Ectopic Pregnancy, University of Kansas Medical Center, 1.00 hour/year, 2011; 2012
24. Morbidity and Mortality Conference: Endometritis, University of Nebraska Medical Center, 1.00 hour 2008

25. Morbidity and Mortality Conference: Intra-Abdominal Abscess, University of Nebraska Medical Center, 1.00 hour 2008
26. Case Conference: Cerebellar Stroke, University of Nebraska Medical Center, 1.00 hour 2009
27. Case Conference: Subarachnoid Hemorrhage, University of Nebraska Medical Center, 1.00 hour 2009
28. Journal Club: Is Ultrasound useful in Diagnosing Pulmonary Edema, University of Nebraska Medical Center, 1.00 hour 2009
29. Morbidity and Mortality Conference: Fight bite: Septic Joint and Tendon Laceration, University of Nebraska Medical Center, 1.00 hour 2009
30. POCUS: Ectopic Pregnancy Case, University of Nebraska Medical Center, 1.00 hour 2009
31. POCUS: Live Ectopic Pregnancy, University of Nebraska Medical Center, 1.00 hour 2009
32. Topic: Procedural Sedation, University of Nebraska Medical Center, 1.00 hour 2009
33. Topic: Transfusion Reactions, University of Nebraska Medical Center, 1.00 hour 2009
34. Case Conference: Acute Glaucoma, University of Nebraska Medical Center, 1.00 hour 2010
35. Morbidity and Mortality Conference: Subdural Hematoma on Coumadin Therapy, University of Nebraska Medical Center, 1.00 hour 2010
36. Radiology Findings You Shouldn't Miss, University of Nebraska Medical Center, 1.00 hour 2010
37. Research Presentation: Car Seat counseling in the Emergency Department Survey Results, University of Nebraska Medical Center, 1.00 hour 2010
38. Radiology Findings You Shouldn't Miss, Palmetto Health Richland, 1.00 hour 2011
39. POCUS: 1st Trimester Pregnancy, University of Kansas Medical Center, 1.00 hour/year, 2012 - 2017
40. Topic: Aorta Pathologies, University of Kansas Medical Center, 1.00 hour/year, 2013 - 2014
41. POCUS: E-FAST, University of Kansas Medical Center, 1.00 hour 2013
42. POCUS: e-FAST, University of Kansas Medical Center, 1.00 hour 2013
43. POCUS: Lung & Thoracic, University of Kansas Medical Center, 1.00 hour 2013
44. POCUS: Ultrasound Guided Vascular Access, University of Kansas Medical Center, 1.00 hour 2013
45. Topic: Introduction to Fellowships in Emergency Medicine, University of Kansas Medical Center, 1.00 hour 2013
46. Topic: Non-Cardiogenic Pulmonary Edema, University of Kansas Medical Center, 1.00 hour 2013
47. POCUS: Thoracic, University of Kansas Medical Center, 1.00 hour 2014
48. Topic: Emergency Medicine Fellowship Roundtable, University of Kansas Medical Center, 1.00 hour 2014
49. POCUS: Cases, University of Kansas Medical Center, 1.00 hour 2015
50. POCUS: Establishing a Bedside Ultrasound Program, University of Kansas Medical Center, 1.00 hour 2016
51. POCUS: Ultrasound Cases, University of Kansas Medical Center, 1.00 hour 2016

52. POCUS: Shortness of Breath Ultrasound Cases, University of Kansas Medical Center, 1.00 hour 2017
53. EMF SG: Febrile Seizure, University of Nebraska Medical Center, 2.00 hours 2018
54. POCUS: Soft Tissue Ultrasound, University of Nebraska Medical Center, 1.00 hour 2018
55. POCUS: Ultrasound Guided Procedures, University of Nebraska Medical Center, 1.00 hour 2018
56. Cadaver Lab: Ocular Ultrasound, University of Nebraska Medical Center, 4.00 hours 2019
57. EMF SG: Intractable Epistaxis, University of Nebraska Medical Center, 2.00 hours 2019
58. EMF SG: Intussusception, University of Nebraska Medical Center, 2.00 hours 2019
59. EMF SG: Spontaneous Bacterial Peritonitis, University of Nebraska Medical Center, 2.00 hours 2019
60. POCUS: Ultrasound in Evaluation of Hypotension, University of Nebraska Medical Center, 1.00 hour 2019
61. Topic: Cerebrovascular Accidents, University of Nebraska Medical Center, 1.00 hour 2019
62. Topic: Low Acuity Back Pain, University of Nebraska Medical Center, 1.00 hour 2019
63. EMF SG: Testicular Torsion, University of Nebraska Medical Center, 2.00 hours 2020
64. OYO: Types of Clinical Practices and the Job Search, University of Nebraska Medical Center, 1.00 hour 2020
65. OYO: Your CV, University of Nebraska Medical Center, 1.00 hour 2020
66. POCUS: Shock Hemodynamics and RUSH Protocol, University of Nebraska Medical Center, 1.00 hour 2020
67. EMF SG: Abdominal Aortic Aneurysm, University of Nebraska Medical Center, 2.00 hours 2021
68. EMF SG: Septic Arthritis, University of Nebraska Medical Center, 2.00 hours 2021
69. OYO: Personal Finance Part 1: So, are you going to specialize? University of Nebraska Medical Center, 2021
70. OYO: Personal Finance Part 2: Show Me the Money! University of Nebraska Medical Center, 2021
71. OYO: Personal Finance Part 3: The Long Game! University of Nebraska Medical Center, 2021
72. POCUS: EFAST and Trauma MSK Ultrasound, University of Nebraska Medical Center, 1.00 hour 2021
73. POCUS: Renal/Urinary Tract Ultrasound, University of Nebraska Medical Center, 1.00 hour 2021
74. Topic: High Yield Radiography, University of Nebraska Medical Center, 2021
75. Topic: Adult Musculoskeletal Imaging, University of Nebraska Medical Center, 2022
76. Topic: Adult Thorax Imaging, University of Nebraska Medical Center, 2022
77. Appendicitis, University of Nebraska Medical Center, 2023
78. EMF SG: POCUS - RUSH exam, University of Nebraska Medical Center, 2.00 hours 2024

79. Journal Club: Cardiac US in codes/Pediatric Ocular Ultrasound, University of Nebraska Medical Center, 2.00 hours/year, 2022

### **Emergency Medicine Residency: Intern Orientation**

#### Director:

- POCUS: Introductory Course, University of Nebraska Medical Center, Ultrasound Skills Lab, 8.00 hours/year, 2019-2020  
POCUS: Introduction to Bedside Ultrasound Course, University of Kansas Medical Center, Kansas City, KS, 8 Hours Lecture/8 Hours Ultrasound Skills Lab, 16.00 hours/year, 2011 - 2016  
POCUS: Introductory Course, University of Nebraska Medical Center, 8 Hours Lecture/8 Hours Ultrasound skills lab, 16.00 hours 2018  
POCUS: Introductory Course, University of Nebraska Medical Center, Ultrasound Skills Lab, 8.00 hours/year, 2021 - 2022  
POCUS: Introductory Course, University of Nebraska Medical Center, Ultrasound Skills Lab, 6.50 hours 2023 - Present

#### Instructor:

- POCUS: Introduction to Bedside Ultrasound Lab, Palmetto Health Richland, Columbia, SC, 4.00 hours 2010

### **Emergency Ultrasound Administrative Fellowship**

#### Lecture:

1. EUS: Abdominal Aorta, University of Kansas Medical Center, 1.00 hour/year, 2014-2017
2. EUS: Abdominal Aorta, University of Nebraska Medical Center, 1.00 hour/year, 2019-2020
3. EUS: Administration, University of Kansas Medical Center, 2.00 hours/year, 2014-2017
4. EUS: Administration, University of Nebraska Medical Center, 2.00 hours/year, 2019-2020
5. EUS: Bowel Ultrasound, University of Kansas Medical Center, 2.00 hours/year, 2014-2017
6. EUS: Cardiac US, University of Kansas Medical Center, 2.00 hours/year, 2014-2017
7. EUS: Cardiac US, University of Nebraska Medical Center, 2.00 hours/year, 2019-2020
8. EUS: DVT Ultrasound, University of Kansas Medical Center, 2.00 hours/year, 2014-2017
9. EUS: DVT Ultrasound, University of Nebraska Medical Center, 2.00 hours/year, 2019-2020
10. EUS: E-FAST, University of Kansas Medical Center, 2.00 hours/year, 2014-2017
11. EUS: E-FAST, University of Nebraska Medical Center, 2.00 hours/year, 2019-2020
12. EUS: Gynecologic Ultrasound, University of Kansas Medical Center, 2.00

- hours/year, 2014-2017
13. EUS: MSK Ultrasound, University of Kansas Medical Center, 2.00 hours/year, 2014-2017
  14. EUS: MSK Ultrasound, University of Nebraska Medical Center, 2.00 hours/year, 2019-2020
  15. EUS: Ocular Ultrasound, University of Kansas Medical Center, 2.00 hours/year, 2014-2017
  16. EUS: Ocular Ultrasound, University of Nebraska Medical Center, 2.00 hours/year, 2019-2020
  17. EUS: Renal Ultrasound, University of Kansas Medical Center, 1.00 hour/year, 2014-2017
  18. EUS: Renal Ultrasound, University of Nebraska Medical Center, 1.00 hour/year, 2019-2020
  19. EUS: Soft Tissue Ultrasound, University of Kansas Medical Center, 2.00 hours/year, 2014-2017
  20. EUS: Soft Tissue Ultrasound, University of Nebraska Medical Center, 2.00 hours/year, 2019-2020
  21. EUS: Testicular Ultrasound, University of Kansas Medical Center, 2.00 hours/year, 2014-2017
  22. EUS: Thoracic Ultrasound, University of Kansas Medical Center, 2.00 hours/year, 2014-2017
  23. EUS: Thoracic Ultrasound, University of Nebraska Medical Center, 2.00 hours/year, 2019-2020
  24. EUS: Ultrasound Physics, University of Kansas Medical Center, 2.00 hours/year, 2014-2017
  25. EUS: Ultrasound Physics, University of Nebraska Medical Center, 2.00 hours/year, 2019-2020
  26. EUS: US Procedural Guidance, University of Kansas Medical Center, 2.00 hours/year, 2014-2017
  27. EUS: US Procedural Guidance, University of Nebraska Medical Center, 2.00 hours/year, 2019-2020
  28. EUS: Vascular Access, University of Kansas Medical Center, 2.00 hours/year, 2014-2017
  29. EUS: Vascular Access, University of Nebraska Medical Center, 2.00 hours/year, 2019-2020

## **Fellows**

### **Director:**

1. Emergency Ultrasound Administrative Fellowship, University of Kansas Medical Center, Bradley Jackson, MD, 2014 - 2015
2. Emergency Ultrasound Administrative Fellowship, University of Kansas Medical Center, Richard Deitz, MD, 2015 - 2017
3. Emergency Ultrasound Administrative Fellowship, University of Kansas Medical Center, Todd Crane, MD, 2016 - 2017
4. Advance Emergency Medicine Ultrasonography Fellowship, University of Nebraska Medical Center, Dalton Nelsen, MD, 2019 - 2020
5. Advance Emergency Medicine Ultrasonography Fellowship, University of

- Nebraska Medical Center, Cody Bonk, MD, 2020 - 2021
6. Advance Emergency Medicine Ultrasonography Fellowship, University of Nebraska Medical Center, Martin Tremwel, MD, 2021 - 2022
  7. Advance Emergency Medicine Ultrasonography Fellowship, University of Nebraska Medical Center, Brooke Stephens, MD, 2022 - 2023
  8. Advance Emergency Medicine Ultrasonography Fellowship, University of Nebraska Medical Center, Oluwatobi Ogun, MD, 2022 - 2023
  9. Advance Emergency Medicine Ultrasonography Fellowship, University of Nebraska Medical Center, Ryan Jorgenson, MD, 2022 - 2023
  10. Advance Emergency Medicine Ultrasonography Fellowship, University of Nebraska Medical Center, Jeremy King, DO, 2023 - 2024
  11. Advance Emergency Medicine Ultrasonography Fellowship, University of Nebraska Medical Center, Julie Held, MD, 2023 - 2024
  12. Advance Emergency Medicine Ultrasonography Fellowship, University of Nebraska Medical Center, Rachel Johnson, MD, 2023 - 2024
  13. Advance Emergency Medicine Ultrasonography Fellowship, University of Nebraska Medical Center, Obiaara Ukah MD PhD, 2025 - 2026
  14. Advance Emergency Medicine Ultrasonography Fellowship, University of Nebraska Medical Center, Ryan Fitzner DO, 2025 - 2026

### **Interdepartmental Education**

1. POCUS: Cardiac Ultrasound, Clarkson Family Medicine Residency, Lecture/POCUS Skills Lab, 2.00 hours/year, 2021 - 2023
2. POCUS: EFAST, Clarkson Family Medicine Residency, Lecture/POCUS Skills Lab, 2.00 hours/year, 2021 - 2023
3. POCUS: Lower Extremity DVT Lecture, Clarkson Family Medicine Residency, Lecture/POCUS Skills Lab, 2.00 hours/year, 2022 - 2024
4. POCUS: Thoracic Ultrasound, Clarkson Family Medicine Residency, Lecture/POCUS Skills Lab, 2.00 hours/year, 2022 - 2024
5. POCUS: Abdominal Aorta, Clarkson Family Medicine Residency, Lecture/POCUS Skills Lab, 2.00 hours/year, 2024

### Instructor:

1. IM Residency Friday School: Chest Ultrasound, Internal Medicine Residency - University of Kansas Medical Center, 1.00 hour 2017
2. POCUS: Cardiac, Thoracic, and Renal Ultrasound, Nephrology Fellowship - University of Nebraska Medical Center, POCUS Skills Lab, 3.00 hours/year, 2018 - 2023
3. POCUS Vascular Access Lab, Internal Medicine Residency - University of Nebraska Medical Center, Lab, 1.00 hour 2021

### Lecture:

1. POCUS: Abdominal Ultrasound in the Hypotensive Patient, Internal Medicine Residency - University of Nebraska Medical Center, 1.00 hour/year, 2019-2021
2. POCUS: Thoracic Ultrasound, Clarkson Family Medicine Residency, 1.00

- hour 2019
3. POCUS: Cardiac Ultrasound, Clarkson Family Medicine Residency, 1.00 hour 2019

### **SAEM Sonogames - SAEM Annual Meeting**

#### Advisor:

1. Sonogames - EM Residency Team Advisor, Society of Academic Emergency Medicine (SAEM); Virtual Meeting, Finished 17th out of 42 teams, 20.00 hours 2021
2. Sonogames - EM Residency Team Advisor, Society of Academic Emergency Medicine (SAEM); Philadelphia, PA, Finished in the top 20 teams out of > 100 teams nationally, 40.00 hours 2024

### **Simulation and Cadaver Labs - Emergency Medicine Residency**

#### Instructor:

1. Emergency Medicine Residency Sonowars, University of Nebraska Medical Center, 2.50 hours/year, 2019 - 2023
2. Lumbar Puncture, Paracentesis & Thoracentesis with and without Ultrasound guidance, University of Nebraska Medical Center, 4.00 hours/year, 2025

## **E. CONTINUING EDUCATION (CE) INSTRUCTION**

### **3rd Rock Ultrasound: The Emergency Ultrasound Course: Introductory and Advanced Ultrasound Courses**

#### Instructor:

1. Columbia, SC, 16.00 hours 2010
2. Las Vegas, NV, 16.00 hours 2010, 2011
3. Fayetteville, NC, 16.00 hours 2011
4. Sidney, NE, 8.00 hours 2013

#### Lecture:

1. Columbia, SC, 2.00 hours 2010
2. Warren, MI, 4.00 hours 2010
3. Las Vegas, NV, 2.00 hours 2010, 2011
4. Fayetteville, NC, 8.00 hours 2011
5. Sidney, NE, 8.00 hours 2013

### **Critical Care Ultrasound**

#### Director:

1. University of Nebraska Medical Center - Department of Emergency Medicine, 2025

#### Instructor:

1. University of Nebraska Medical Center - Department of Emergency Medicine, 4.50 hours 2025

Lecture:

1. University of Nebraska Medical Center - Department of Emergency Medicine, 2.00 hours 2025

**Emergency Ultrasound Management Course**

1. American College of Emergency Physicians - Scientific Assembly, Annual lecture on the benefits of Clinical Ultrasound accreditation (listed under presentations, though titles may vary by year)., 2019 - Present

**Rural Emergency Medicine Course**

Instructor:

1. University of Nebraska Medical Center, E-FAST exam Ultrasound Skills Lab, 1.00 hour 2023
2. University of Nebraska Medical Center, Ultrasound Guided Vascular Access (Lab), 1.00 hour 2019
3. University of Nebraska Medical Center, Ultrasound Guided Vascular Access (Lab), 1.00 hour 2023-Present

**Sound Emergency Medicine Conference**

1. Scan Lab Teacher -UnityPoint Health - Des Moines, 6.00 hours 2025

Lecture:

1. Cardiac Ultrasound UnityPoint Health - Des Moines, 1.00 hours 2025
2. Biliary Ultrasound UnityPoint Health - Des Moines, 1.00 hours 2025

**F. ADDITIONAL INSTRUCTION**

**Behind the Knife**

Lecture:

1. E-FAST Exam, Behind The Knife, Invited Lecture - Educational video created for Behind The Knife - Video used in many of their educational courses including: 1- Trauma Surgery Video Atlas; 2- Dominate Surgery: A High-Yield Guide to Your Surgery Clerkship; 3- Trauma Bay Principles: Beyond ATLS; Also posted to their YouTube channel (<https://youtu.be/sJL3aLchl0?si=6l290ZltQOXsfEyK>) and X (<https://x.com/BehindTheKnife/status/1848020364728672318>), July 2024
2. Ultrasound and Fluid Responsiveness, Behind the Knife, Invited Lecture - Educational video created for Behind the Knife - Video used in their educational content "Dominate the Day". Also posted to their YouTube channel (<https://youtu.be/sJL3aLchl0?si=ZG1AT5-Yrmk1nopL>) and on X (<https://x.com/BehindTheKnife/status/1882200436427379008>), Jan 2025

**Nursing Education:**

Director:

1. Nurse Training for Ultrasound Guided Mid-lines, Nebraska Medicine

Emergency Department, 3.00 hours/year, 2021

Lecture:

2. ED Nurse Trauma Education Day - POCUS: e-FAST, University of Kansas Hospital, 1.00 hour/year, 2015

**Trauma Nurse Specialist Course**

Instructor:

3. EFAST Exams, Nebraska Medicine, 2.00 hours/year, 2024