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University of South Florida, Morsani College of Medicine, Tampa, Florida

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EDUCATION

July 2020 - June 2021

Tampa General Hospital

- *Emergency Medicine Ultrasound Fellowship*

July 2017 - June 2020

Hackensack University Medical Center

- *Emergency Medicine Residency*

July 2013- May 2017

Campbell University School of Osteopathic Medicine

- *Doctor of Osteopathic Medicine*

May 2009- August 2011

University of South Florida

- *Biological/Premedical Sciences Major*

September 2006- May 2008

University of South Florida

- *BA Finance*

May 2003-May 2006

St. Petersburg College

- *AA Business Administration*

APPOINTMENTS

2024-Present

University of South Florida Morsani College of Medicine

Division of Emergency Medicine

- *Assistant Professor*

July 2022 - Present

Tampa General Hospital, University of South Florida Morsani College of Medicine

Assistant Professor

- *Ultrasound Program Director, Emergency Medicine Residency*
- *Advanced Emergency Medicine Fellowship Program Faculty*
- *Emergency Medicine Attending*

APPOINTMENTS , Cont.

- *Busy, urban, level 1 trauma and academic center >100k ED visits/year*
- *Teaching residents and medical students fundamentals of emergency medicine and emergency focused bedside ultrasound to help improve medical knowledge, hands on POCUS skills and fulfill their ACGME POCUS requirements for graduation*

August 2021 - 2025

Tampa General North

Emergency Medicine Staff Physician

- *Busy, high acuity, community EDs, rural setting, limited resources, solo coverage with overnight ICU coverage for critical care procedures*
- *Busy, free-standing ED, solo coverage*

July 2021 - 2022

Tampa General Hospital, University of South Florida Morsani College of Medicine

Collaborative Faculty

- *Teaching students, residents and faculty/staff emergency ultrasound*
- *Participate in related research activities*

July 2020 - Present

Gulf Coast Ultrasound Institute, St. Petersburg, FL.

Instructor

- *Teaching health care professionals clinical application of bedside ultrasound*

July 2017- July 2020

Hackensack University Medical Center, Hackensack, NJ.

Emergency Medicine Resident

- *Busy, level 2 community and academic center with high medical acuity, >100k ED visits/year*
- *Worked during the height of initial COVID-19 outbreak in Bergen County, the 14th hardest hit county in the U.S.*
- *SAEM Sonogames 2018, 2019 ultrasound competition team*

TEACHING, LECTURES & TRAINING

2025

July

- *Intern Ultrasound Bootcamp Instructor, University of South Florida resident hands-on, two day course in bedside ultrasound*

May

- *"Skin and Soft Tissue Ultrasound" Kahoot lecture, University of South Florida EM Residency Grand Rounds*

TEACHING, LECTURES & TRAINING, Cont.

April

- *Inaugural Tampa Bay POCUS Symposium, host, lecturer: "GUARD: Gastric Ultrasound for Aspiration Risk Determination," Tampa General Hospital*

January

- *"Respiratory/Thoracic Board Review," lecture, University of South Florida EM Residency Grand Rounds*

2024

November

- *Point-of-Care Ultrasound for the Hospitalist, Tampa General Hospitalist Hands-On and Asynchronous didactics education, Tampa General Hospital*

September

- *"2024 USF Sono Showdown!"*
- *Curriculum development and implementation of inaugural residency ultrasound competition, University of South Florida EM Residency Grand Rounds*

March

- *"Knobology and Basic Ultrasound Physics," lecture, RUSH exam, hands-on training, University of South Florida Medical School, MS4 EPA Block Lecture Series*

February

- *"GI Board Review," lecture, University of South Florida EM Residency Grand Rounds*
- *"VExUS," University of South Florida EM Ultrasound Fellowship Didactics*
- *Fascia Iliaca Block: Hands-on scanning on low-fidelity and live models, University of South Florida EM Residency Grand Rounds*

2023

November

- *"Penile Duplex," University of South Florida EM Residency Grand Rounds*
- *DVT Duplex hands-on training, University of South Florida Medical School EM and POCUS Interest Group*

July

- *"POCUS Jeopardy!" University of South Florida EM Residency Grand Rounds*
- *"Billing For Your Ultrasounds" lecture, University of South Florida EM Ultrasound Fellowship Didactics*
- *University of South Florida Emergency Medicine Resident Intern Ultrasound Bootcamp Instructor: Hands-on, lectures and cadaver ultrasound guided procedures over a two day immersive ultrasound course*

March

- *Point of Care Ultrasound Image Review, University of South Florida EM Residency Grand Rounds*
- *Ultrasound Physics, Knobology and the e-FAST exam, University of South Florida Medical School, MS4 EPA Block Lecture Series*

TEACHING, LECTURES & TRAINING, Cont.

2022

September

- *Cardiac output and VTI, University of South Florida EM Residency Grand Rounds*

July

- *"Billing For Your Ultrasounds" lecture, University of South Florida EM Ultrasound Fellowship Didactics*
- *University of South Florida Emergency Medicine Resident Intern Ultrasound Bootcamp Instructor: Hands-on, lectures and cadaver ultrasound guided procedures over a two day immersive ultrasound course*

TEACHING, SUPERVISORY

Ongoing

University of South Florida Emergency Medicine Residency, Tampa FL
Emergency Medicine Ultrasound Director, Fellowship Faculty

- *Weekly lectures, film review and hands-on ultrasound teaching in the department for those residents on ultrasound elective*
- *Attends weekly fellowship didactics, participates in image review, and contributes to hands-on ultrasound teaching*

2025

October

Gulf Coast Ultrasound Institute, St. Petersburg, FL.

- *Hands-on Training for the emergency medicine/CC physician: General POCUS Applications*

2024

January

Gulf Coast Ultrasound Institute, St. Petersburg, FL

- *Private Course Teaching: Advanced Critical Care Ultrasound*

2023

June

Gulf Coast Ultrasound Institute, St. Petersburg, FL

- *On-site training in Fayetteville VA Hospital in NC to emergency medicine and critical care professionals teaching fundamentals of POCUS during two day immersive course*

February

Gulf Coast Ultrasound Institute, St. Petersburg, FL

- *Hands-on Training for the emergency medicine/CC physician: General POCUS Applications*
- *Residency Lecture Series: Renal POCUS for the EM Physician and Ocular Ultrasound*

2022

October

Gulf Coast Ultrasound Institute, St. Petersburg, FL

- *On-site training: POCUS for the family medicine doctor, East Carolina University, Greensboro, NC*

TEACHING, SUPERVISORY, Cont.

- *Hands-on Training for the emergency medicine/CC physician: MSK, Soft Tissue, Procedures & GI*

September

Gulf Coast Ultrasound Institute, St. Petersburg, FL

- *Hands-on Training for the emergency medicine/CC physician: Adv EM Applications (fracture, ocular, foreign body, soft tissue/MSK and verification of ET tube placement) Nerve blocks & Echo*
- *Residency Lecture Series: Basic POCUS Evaluation for Suspected Pulmonary Embolism*

June

Gulf Coast Ultrasound Institute, St. Petersburg, FL.

- *Hands-on Training for the emergency medicine/CC physician: General POCUS Applications*

April

Gulf Coast Ultrasound Institute, St. Petersburg, FL.

- *Hands-on Training for the emergency medicine/CC physician: Nerve Blocks*

2021

September

Gulf Coast Ultrasound Institute, St. Petersburg, FL.

- *Hands-on Training for the emergency medicine/CC physician: General POCUS Applications*

June

Gulf Coast Ultrasound Institute, St. Petersburg, FL.

- *Hands-on Training for the emergency medicine/CC physician: General POCUS Applications*

April

Gulf Coast Ultrasound Institute, St. Petersburg, FL.

- *Hands-on Training for the emergency medicine/CC physician: General POCUS Applications*

2020

December

Gulf Coast Ultrasound Institute, St. Petersburg, FL.

- *Hands-on Training for the emergency medicine/CC physician: General POCUS Applications*

LECTURES BY INVITATION

2025

The Ohio State University POCUS Community of Practice

- "VExUS Score: Venous Excess Ultrasound"

Anesthesia Residency Grand Rounds, University of South Florida. Tampa, FL.

- "GUARD Protocol: Gastric Ultrasound for Aspiration Risk Determination"

2024

Advanced Ultrasound Applications: A Virtual Symposium

Gulf Coast Ultrasound Institute, St. Petersburg, FL.

- "GUARD Protocol: Gastric Ultrasound for Aspiration Risk Determination"

LECTURES BY INVITATION, Cont.

2023

Society for Clinical Ultrasound Fellowships National Conference; Portland, ME.

- *"GUARD Protocol: Gastric Ultrasound for Aspiration Risk Determination"*

Gulf Coast Ultrasound Institute, Emergency Medicine and Critical Care Ultrasound Lab, St. Petersburg, FL.

- *"GUARD Protocol: Gastric Ultrasound for Aspiration Risk Determination"*

NAEMSP Annual Meeting, Tampa, FL.

- *"Ultrasound in EMS 101 For Medical Directors: From Idea to Successful Implementation"*

2021

Gulf Coast Ultrasound Institute, St. Petersburg, FL.

- *"Ovarian Hyperstimulation Syndrome, POCUS Findings"*

SCHOLARLY ACTIVITY

2025

- *Abstract: 118 Optimal Chest Compressions May Lie 4 cm Left of the Sternum*
Martinez, L. D. Mbom, **A. Hansen**, B. Buchel, B. Cao, B. Villa, T. Smith, C. Derr
Annals of Emergency Medicine, Volume 86, Issue 3, S50 - S51
- *Publication: Teran F, Owyang CG, Wray TC, et al; Resuscitative TEE Collaborative Registry (rTEECORE). Investigators. Development and Implementation of a Multicenter Registry for Resuscitation-Focused Transesophageal Echocardiography. Ann Emerg Med. 2024 Oct 15:S0196-0644(24)00448-7. PMID: 39412464.*
- *Survey: Temporal Variability and Factors Influencing Resuscitative TEE Use in Emergency and Critical Care: A rTEECORE Study*

2024-Present

University of South Florida, Tampa General Hospital

- *Observational Study: CPR-TEACH: Cardiac Position Using Real Time Transthoracic ECHO to Identify the Area of Maximal Compression for Hemodynamic Optimization*
- *USF eIRB approved*
- *Currently enrolling*

2023

University of South Florida In Collaboration with The Center for Resuscitative Science, University of Pennsylvania

- *Poster Presentation: American Heart Association Resuscitation Science Symposium; November 11, 2023; Philadelphia, PA.*
- *Abstract: Circulation (Volume 148, Issue Suppl_1, Page A273, 11/06/2022) https://www.ahajournals.org/doi/10.1161/circ.148.suppl_1.273*
- *Poster Presentation: 10th Annual Meeting of the North American Section of the International Academy of Cardiovascular Sciences, "Qualification of transesophageal echocardiography (TEE) Use During out of hospital cardiac arrest at Tampa General Hospital"*

SCHOLARLY ACTIVITY, Cont.

2020/21

University of South Florida, Tampa General Hospital

- Publication: Derr, C., Shteyman, A., Jackson, S.A., Lu, Y., Campbell, T., De Lucia, A., Merritt, R., Lupez, K., Elkes, J., **Hansen, A.**, Jelic, T., DeRespino, A. and Grant, A. (2022), Determination of Endovaginal Ultrasound Proficiency and Learning Curve Among Emergency Medicine Trainees. *J Ultrasound Med*, 41: 1741-1752. <https://doi.org/10.1002/jum.15857>
- Prospective Study: Transvaginal Ultrasound Confidence and Proficiency Amongst Emergency Medicine Residents
- Presented at 2021 POCUS World Conference
- Hackensack University Medical Center
- Publication: Zakharchenko S, **Hansen A**, Ibikunle A, Devasagayaraj R, Charles P. Intracranial hemorrhage detected through a craniotomy site with point of care ultrasound. *JACEP Open*. 2021; 2:e12419. <https://doi.org/10.1002/emp2.12419>

2019

Hackensack University Medical Center EM Residency Research Day

- Prospective study: Does POCUS of the orbit in two vs. one plane add to diagnostic accuracy?

2016

Campbell University IPE Student Research Symposium

- Case study: Kaposi Sarcoma in an Immunocompetent Patient
- Case study: Focal Neurologic Deficits Map out Location of Brain Tumor

2010-2011

University of South Florida Dept. of Undergraduate Research

Mentor/Primary Investigator: Jeff G. Konin, PhD.

- Parent's Perception of Post-Game Recovery Beverage For Youth Ice Hockey Players
- Presented at 3rd Annual Central European Congress of Sports Medicine, PM&R

DIGITAL SCHOLARSHIP

2023 - Present

- Youtube Channel: USF Emergency Ultrasound
- Instagram Content Creator & Collaborator: @usfemergencymed, 1,496 Followers

2023

November

- Author, University of South Florida Emergency Medicine Blog: The GUARD Protocol Gastric Ultrasound for Aspiration Risk Determination
May
- Editor, University of South Florida Emergency Medicine Residency Blog: POCUS for Cricothyrotomy

April

- Editor, University of South Florida Emergency Medicine Residency Blog: DVT in 1,2,3!

DIGITAL SCHOLARSHIP, Cont.

March

- Editor, University of South Florida Emergency Medicine Residency Blog: US Guided Subclavian Cannulation

January

- Editor, University of South Florida Emergency Medicine Residency Blog: "POCUS for Peritonsillar Abscess"

2021

April

- Creator, University of South Florida Emergency Medicine Residency Blog: "VTI for Fluid Resuscitation "

OTHER SCHOLARSHIP

2021

- ACEP Residency Education SubCommittee, creator and editor of crowd-sourced FOAMED EM US Qbank

SPECIALITY ACTIVITY

2023-Present

- Ultrasound Education Subcommittee, American College of Emergency Physicians

2023

- ALiEM: Faculty Incubator Course

SERVICE

2020-2021

- High Level Disinfection Committee, Tampa General Hospital

PROFESSIONAL MEMBERSHIPS, LICENSES

FPD-AEMUS: Advanced Emergency Medicine Ultrasonography Focused Practice Designation

Florida Medical License

DEA + X-Waiver License

American College of Emergency Physicians

Florida College of Emergency Physicians

Society for Clinical Ultrasound Fellowships

Society for Academic Emergency Medicine

ACLS, ATLS, PALS, BLS