

Alyssa Krepela, MD

CURRICULUM VITAE

03/02/2023

EDUCATION

Undergraduate: Biology BS from University of California, Merced. Graduation: May 2008
Medical School: MD from The George Washington University of Health Sciences. Graduation
May 2014

Internship & Residency: Emergency Medicine/Naval Medical Center Portsmouth. Graduation
June 2018

PROFESSIONAL TRAINING AND EXPERIENCE

Emergency Medicine Ultrasound Training Fellow, Emergency Medicine, Naval Medical Center
Portsmouth

Dates of Assignment: September 2022 - Present

Staff Physician (Civilian), Emergency Medicine, Naval Medical Center Portsmouth

Dates of Assignment: February 2022 - Present

Staff Physician (Active Duty), EM-1 Assistant Program Director, Medical Student Clerkship
Director, Naval Medical Center Portsmouth.

Dates of Assignment: July 2018 – December 2021

Emergency Physician (PRN), Chesapeake Emergency Physicians
Chesapeake Regional Hospital

Dates of Assignment: February 2019 - March 2020 (Discontinued due to deployment)

Community Faculty/EM Rotation Clerkship Director
Eastern Virginia Medical School, Norfolk, VA

Dates of Assignment: July 2018 – December 2021

Chief Resident

Duty Location: Naval Medical Center Portsmouth, VA

Dates of Assignment: June 2017- June 2018

Resident Physician

Duty Location: Naval Medical Center Portsmouth, VA

Dates of Assignment: July 2015-June 2018

Intern Physician

Duty Location: Naval Medical Center Portsmouth, VA

Dates of Assignment: June 2014- June 2015

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OTHER WORK HISTORY

Duty Title: Office Assistant Manager
Duty Location: Ceres, CA
Dates of Assignment: June 2003-July 2010

Duty Title: Emergency Medicine Scribe
Duty Location: Modesto, CA
Dates of Assignment: 2008-2010

Duty Title: Community Scholar (Research Intern), Community Partnership Alliance
Duty Location: Merced, CA
Dates of Assignment: August 2007-July 2008

Duty Title: Summer Student Intern, Center for Computational Biology
Duty Location: Merced, CA
Dates of Assignment: June 2007-August 2007

LICENSURE AND SPECIALTY CERTIFICATION

Current Unrestricted State License: 15JUL2015 VA/ Lic# 0101258712
USMLE Step 3: JUL2014
Board Certification: ABEM Board Certified June 2019

HONORS AND RECOGNITION

Undergraduate: Graduated with High Honors; Certificate of Outstanding Achievement
Medical School: Professorial Rounds Presentation, Congenital Chloride Diarrhea
Residency: Virginia American College of Emergency Physicians John P. McDade Resident
Research Award; 2018 Military Health System Research Symposium Award for Military/Large
Team Combat Casualty Care Research; Honor Graduate Award
Military: Customer Service Certificates, Joint Service Commendation Medal
Staff: Junior Faculty Teaching Award (2020), Hospital Faculty Teaching Award (2020)

CLINICAL PRACTICE

Internet Publications

“High Altitude Pulmonary Edema.” PepidEM. Online. 2014.
“Urinary Alkalinization and Forced Diuresis.” PepidEM. Online. 2015.
“Pediatric Rickettsialpox.” PepidEM. Online. 2016.
“Metal Fume Fever.” PepidEM. Online. 2016.
“Nitrogen Dioxide.” PepidEM. Online. 2016.
“Cyanide Poisoning.” PepidEM. Online. 2016.

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Professional Certificates

BLS (Red Cross)

ALS (Red Cross)

ATLS Instructor (and Provider)

PALS

Intramural Presentations

Poster presentation at American College of Emergency Medicine, “A comparison of flow rates and hematologic safety between intraosseous blood transfusion strategies in a swine (*sus scrofa*) model of hemorrhagic shock: A pilot study.” October 2017.

Poster presentation at Military Health System Research Symposium, “Retrospective Analysis of Complications from Topical Anesthetics After Vision-Correcting Surgery,” August 2017.

Poster presentation at American Academy of Emergency Medicine, “Retrospective Analysis of Complications from Topical Anesthetics After Vision-Correcting Surgery,” March 2017.

Residency academic conference lecture presentation, Dyspnea and Chest Pain, September 2015.

Residency academic conference lecture presentation, Case Presentation, May 2015, March 2016, February 2017.

Journal Club lecture, Epidemiology and Incidence of e-Cigarette Usage and Calls to Poison Centers in US, March 2017.

Intern and Returning Resident Orientation Emergency Medicine Review Lectures, Various topics, July 2017.

Residency academic conference lecture presentation, Quality Improvement and Patient Safety, September 2017.

Residency academic conference lecture presentation, Hypertensive Emergencies, October 2017.

Residency academic conference lecture presentation, Approach to Altered Mental Status, October 2017.

Residency academic conference lecture presentation, Core Content Review, September 2018
In Service Exam/Board Review, 2018 and 2019

Back Pain Emergencies, Training for General Medical Officers, May 2019, 2020

Poster Presentation, Annual Research Competition, Naval Medical Center Portsmouth. “An Interdisciplinary Approach to Pediatric Ingestion of Multiple Magnets.” May 2020.

Poster Presentation, Annual Research Competition, Naval Medical Center Portsmouth. “One Pill Can Kill: Pediatric Ingestion of a Sulfonylurea.” May 2020.

Poster Presentation, Annual Research Competition, Naval Medical Center Portsmouth. “Diabetic Ketoacidosis with Normoglycemia.” May 2020.

Stop the Bleed Course Facilitator, November 2020, January 2021

Operational Leadership, May 2021

Residency academic conference lecture presentation, Pediatric Access Pearls, September 2021

Residency academic conference lecture presentation, “Musculoskeletal Ultrasound Basic,”
December 2022

Residency academic conference lecture presentation, “Ultrasound Confirmation of Endotracheal Tube Placement,” December 2022

Poster Presentation, Annual Research Competition, Naval Medical Center Portsmouth. “Benign Enlargement of the Subarachnoid Space of Infancy (BESSI).” Planned May 2023.

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Publications

Auten, et al. A Pilot Study of Four Intraosseous Blood Transfusion Strategies. Journal of Special Operations Medicine. 31 Dec 2017, 18(3):50-56. PMID:30222837

Krepela, et al. A Comparison of Flow Rates and Hematologic Safety Between Intraosseous Blood Transfusion Strategies in a Swine (*Sus scrofa*) Model of Hemorrhagic Shock: A Pilot Study. Published in Annals of Emergency Medicine (2017-10)

Continuing Education

Regional Anesthesia Course, Naval Medical Center Portsmouth, April 2021

Healthcare Simulation Facilitator's Course, Naval Medical Center Portsmouth, March 2021

Uniformed Services University Faculty Development Teaching Certificate, January 2022

ACADEMIC APPOINTMENTS

Ultrasound Rotation and Elective Coordinator, Naval Medical Center Portsmouth Emergency Medicine Residency Program, Academic Years 2022-Present

Assistant Program Director for PGY1 Class, Naval Medical Center Portsmouth Emergency Medicine Residency Program, Academic Years 2018-2021

Medical Student Coordinator and Clerkship Director, Naval Medical Center Portsmouth Emergency Medicine Residency Program, Academic Years 2018-2021

Combat Trauma Research Group Interim Director, Naval Medical Center Portsmouth, AY 2019

Community Faculty, Eastern Virginia Medical School 2018-2022

Chief Resident, Emergency Medicine Residency, Naval Medical Center Portsmouth, Academic Year 2017-2018

Human Biology Teaching Assistant, University of California Merced 2009-2010

PROFESSIONAL SOCIETIES

American College of Emergency Physicians (ACEP)

American Academy of Emergency Medicine (AAEM)