

CURRICULUM VITAE - ABSTRACT

NAME: Jessica Ashley Ryder, MBBS

Current Rank: Assistant Professor

EDUCATION

<u>School/Program</u>	<u>Degree</u>	<u>Date</u>
Univ of Queensland School of Medicine	MBBS	12/2017
Univ of Florida College of Medicine, Jacksonville	Emergency Medicine Residency	06/2021
Atrium Health Carolinas Medical Center	Operational and Disaster Medicine Fellowship	06/2023

ACADEMIC APPOINTMENTS:

<u>Institution</u>	<u>Rank</u>	<u>Dates</u>
University of Colorado – SOM	Assistant Professor	08/2023- Present
Atrium Health Carolinas Medical Center	Junior Faculty	07/2021-07/2023

TEACHING ACTIVITIES:

- Attending Physician, Department of Emergency Medicine
- Clinical Preceptor in Emergency Care, Longitudinal Integrated Curriculum, University of Colorado-SOM
- Facilitator, Team Based Learning cases in Emergency Medicine Content, University of Colorado-SOM
- Facilitator, Trails Emergency Preparedness Exercise, University of Colorado- SOM
- Faculty De-briefer, Emergency Medicine CAPE Simulation, University of Colorado-SOM
- Facilitator, Small Group Cases, Emergency Medicine Didactics, Denver Health EM Residency
- Proctor, Virtual Oral Board Review Course, Academy of Academic Emergency Medicine
- Instructor, Advanced Hazmat Life Support provider and instructor course
- Lecturer and curriculum development, Full Scale Mass Casualty Exercise, University of Colorado AMC
- Co-lead and facilitator, HERT Decontamination Shower Open House, University of Colorado AMC
- Facilitator, Special Pathogens Unit quarterly training session, University of Colorado AMC
- Facilitator and Developer, Emergency Department Downtime Table Top Exercise, University of Colorado, AMC

CLINICAL ACTIVITIES:

- **Emergency Medicine:** Full-time faculty serving as an attending in the Emergency Department at Anschutz Medical Campus working on average 3-4 shifts each week (~26 hours) including nights, weekends, and holidays. During this time, I am responsible for 10-12 beds in the main emergency department while caring for additional patients in the observation unit. During approximately 60% of my shifts I supervise learners (medical students, interns, and residents) while also caring for my own patients. I treat patients in the main emergency department, the observation units, and intake. On average, I treat about 1.9 patients / hour in the main emergency department.
- **Disaster Preparedness:** I also serve as the physician lead for departmental disaster preparedness with responsibilities that include regularly reviewing, revising, and educating on policies and procedures for clinical operations during disasters. This includes educating staff through on-shift demonstrations and leading new-faculty orientation to disaster operations processes and resources. Policies currently under review including the decontamination event operations, mass casualty operations, and special pathogens operations. Average hours per week spend on these activities are about 4-5.

RESEARCH AND SCHOLARSHIP: Briefly summarize research and scholarly activities over the past 5 years or while in rank, including research focus, major discoveries, or other important aspects of your work.

- **Scholarship of Discovery-** I am currently serving as a co-investigator and subject matter expert on two federally funded projects to strengthen regional disaster preparedness. The first supports the Mountain Plains Regional Disaster Health Response System, in which I serve as the lead in strengthening HAZMAT response and knowledge through initiating grant-funded Advanced HAZMAT Life Support courses throughout the region. Additionally, I am partnering with Team Rubicon to develop a mechanism for locally deployable medical teams for rapid response to domestic disasters that would augment the existing DMAT teams. The second federally funded grant I am working on as a co-investigator is working to develop a mechanism to convert a hotel into a hospital to support medical surge in the setting of potential overseas conflict.

- Additionally, I was also an invited speaker at the Disaster Medicine and Public Health Preparedness’s Annual Conference, where I presented on the utility of point of care ultrasound in the austere and resource scare environment, focusing on its utility specifically in conflict settings and damage control resuscitation.
- I also serve as an ad-hoc peer reviewer for the *Journal of Disaster Medicine and Public Health Preparedness*

PUBLICATIONS/SCHOLARSHIP Note: Publications included here should match those listed on your C.V.

Number of original articles in peer-reviewed journals (TOTAL): 1
 First-author: _____ Senior-author: _____ Other co-author: 1
 Number of books: _____
 Number of other publications (scholarly reviews, symposium papers, editorials & book chapters): 2
 Number of published or presented scientific abstracts (TOTAL): 2
 Refereed abstracts: 2 Un-refereed abstracts: _____
 Letters-to-the-editor, other publications: _____
 Patient education materials, curricula, clinical guidelines, case studies or other scholarly works.: _____

PUBLIC AND UNIVERSITY SERVICE ACTIVITIES/ PROFESSIONAL SOCIETY MEMBERSHIPS/HONORS:

Local

- Member, Colorado North Central Regional Healthcare Coalition
- Member, University of Colorado Disaster Committee
- Emergency Department Representative, Emergency Management Champions, University of Colorado AMC

National

- Member, Society of Disaster Medicine and Public Health
- Member, American College of Emergency Medicine
- Committee Member, Disaster Section Mentorship Program Committee, ACEP
- Consultant and Programs Medial Lead, Team Rubicon International

International

- Member, World Association for Disaster and Emergency Medicine

FUNDED GRANTS (RESEARCH, TRAINING OR OTHER) IN PAST 5 YEARS or SINCE LAST PROMOTION,

Reporting Since ____ (Year)	As Principal Investigator/Program Director (on primary or sub-award)		As Co-Investigator/Key Personnel (not consultant)	
	Number of grants	Total Direct Costs	Number of grants	Total Direct Costs
Federal (NIH, NSF, VA, etc.)			2	
Foundation/Professional Assoc. (RWJ, AHA, etc.)				
Industry				
Internal/Other grants				

Curriculum Vitae

Jessica Ashley Ryder, MBBS

Assistant Professor of Emergency Medicine
University of Colorado School of Medicine

I. Personal Information

Address: University of Colorado School of Medicine
Anschutz Medical Campus
Department of Emergency Medicine
Leprino Building 7th Floor
12401 E. 17th Avenue
Aurora, CO 80045

Telephone: 858-232-0344

Email Address: Jessica.ryder@cuanschutz.edu

II. Education

Undergraduate - 2008-2012	Bachelor of Science, Neuroscience University of California, Los Angeles Los Angeles, California
Medical School - 2014-2017	Bachelor of Medicine, Bachelor of Surgery (MBBS) University of Queensland School of Medicine Brisbane, Queensland, Australia New Orleans, Louisiana
Residency - 2018-2021	Chief Resident, Residency in Emergency Medicine University of Florida, College of Medicine, Jacksonville Jacksonville, Florida
Fellowship - 2021-2023	Operational and Disaster Medicine Atrium Health Carolinas Medical Center Charlotte, North Carolina

Graduate Education
 - 2022—Present

Masters in Public Health
 Bloomberg School of Public Health
 Johns Hopkins University
 Online, Baltimore, Maryland

III. Academic Appointments

2021-2023

Junior Faculty
 Department of Emergency Medicine
 Atrium Health Carolinas Medical Center
 Charlotte, North Carolina

2023—Present

Assistant Professor
 Department of Emergency Medicine
 University of Colorado School of Medicine
 Aurora, Colorado

IV. Hospital, Government, Professional Positions

2021—2022

South Branch Medical Lead
 Team Rubicon International
 Dallas, Texas

2022--Present

Consultant and Programs Medical Lead
 Team Rubicon International
 Los Angeles, California

2023—Present

Attending Physician
 Department of Emergency Medicine
 University of Colorado Anschutz Medical Campus
 Aurora, Colorado

2024—Present

Physician, Medical Officer
 Disaster Medical Assistance Team
 Department of Health and Human Services

V. Honors, Special Recognitions, and Awards

2015	Best Presentation Global Health Conference 2015 University of Queensland School of Medicine
2017	3 rd Place Finalist University of Queensland Student Award Ochsner Research Day 2017
2020	Resident Award and Travel Grant-Nominee Academy of Women in Academic Emergency Medicine
2020	Resident Rocks IT Award-Nominee American Association of Women Emergency Physicians
2021	Finalist Ann Harwood-Huss Resident Advocate Award University of Florida College of Medicine--Jacksonville

VI. Memberships in Professional Organizations

2015--Present	Member, American College of Emergency Physicians
2016—2023	Member, Emergency Medicine Residents Association
2016—Present	Member, American Academy of Emergency Medicine
2016—2022	Member, Society of Academic Emergency Medicine
2022—Present	Member, Society for Disaster Medicine and Public Health Preparedness
2022—Present	Member, World Association for Disaster and Emergency Medicine

VII. Major Committee and Service Responsibilities

a. Hospital

2023—Present

Member, Disaster Committee

2023—Present

Emergency Department Representative, Emergency Management Champions

b. Local

2023—Present

Member, Colorado North Central Regional Healthcare Coalition

c. National

2023—Present

Committee Member
Disaster Section Mentorship Program Committee
American College of Emergency Physicians

VIII. Licensure and Board Certification

a. Licenses

2020—Present

Unrestricted Medical License
State of Georgia
Expires 03/31/2024

2021—Present

Unrestricted Medical License
State of North Carolina
Expires 03/07/2024

2023—Present

Unrestricted Medical License
State of Colorado
Expires 04/30/2025

b. Certifications

2022—Present

Emergency Medicine Board Certification
American Board of Emergency Medicine
Expires 12/31/2027

2023—Present

Unrestricted Medical License
State of Colorado
Expires 04/30/2025

IX. Review and Referee Work

2022—Present

Peer Reviewer

Journal of Disaster Medicine and Public Health Preparedness

X. Invited Extramural Lectures and Presentations**a. Speaking Engagements**

2023

Prehospital Point-of-Care Ultrasound to Guide Life Saving
Damage Control Interventions and Priority Transport in Resource
Scarce Environments

Invited speaker

10 Year Anniversary Conference and Annual Meeting

Society for Disaster Medicine and Public Health

Washington D.C

b. Research Presentations**i. International**

2023

Prehospital Whole Blood Transfusion Training in Ukraine: A Case
Study Highlighting the Efficacy of Collaboration and Advocacy

Oral Presentation

22nd Congress on Disaster and Emergency Medicine

World Association of Disaster and Emergency Medicine

Killarney, Ireland

ii. National

2017

Admission Neutrophilia is Not a Predictor of Hematoma
Expansion in Deep Nuclei or Lobar Supratentorial Intracerebral
Hemorrhage

Poster Presentation

International Stroke Conference

American Stroke Association

Houston, Texas

2017

Time to Antibiotics in Severe Sepsis and Septic Shock: Is There
Time for Equipoise?

Poster Presentation

23rd Annual Scientific Assembly

American Academy of Emergency Medicine

Orlando, Florida

iii. Local

2017
 Time to Antibiotics in Severe Sepsis and Septic Shock: Is There Time for Equipoise?
 Oral Podium Presentation
 14th Annual Ochsner Health System Research Day
 New Orleans, Louisiana

2020
 The Crashing Infant
 Clinical Pathology Case Presentation
 Academic Assembly
 Council of Residency Directors in Emergency Medicine
 New York, New York

XI. Teaching Record**a. Presentations****i. Undergraduate/ Medical Student**

2021
 Sickle Cell Disease
 Medical Student Lecture Series
 Emergency Medicine Clerkship
 Carolinas Medical Center
 Charlotte, North Carolina

ii. Graduate Students / Graduate Medical Education

2019
 Female Pelvic Pain
 Intern Lecture Series
 Emergency Medicine Residency Program
 University of Florida College of Medicine—Jacksonville
 Jacksonville, Florida

2019
 Altered Mental Status
 Intern Lecture Series
 Emergency Medicine Residency Program
 University of Florida College of Medicine—Jacksonville
 Jacksonville, Florida

- 2019
Sickle Cell Disease
Intern Lecture Series
Emergency Medicine Residency Program
University of Florida College of Medicine—Jacksonville
Jacksonville, Florida
- 2020
How to Intern
Intern Lecture Series
Emergency Medicine Residency Program
University of Florida College of Medicine—Jacksonville
Jacksonville, Florida
- 2020—2021
Morbidity and Morality Series
Grand Round
Emergency Medicine Residency Program
University of Florida College of Medicine—Jacksonville
Jacksonville, Florida
- 2020
Shortness of Breath
Intern Lecture Series
Emergency Medicine Residency Program
University of Florida College of Medicine—Jacksonville
Jacksonville, Florida
- 2020
The Immunocompromised Patient
Intern Lecture Series
Emergency Medicine Residency Program
University of Florida College of Medicine—Jacksonville
Jacksonville, Florida
- 2023
What is Disaster Medicine?
Emergency Medicine Residency Grand Rounds
Carolinas Medical Center
Charlotte, North Carolina

2023
Patient Decontamination: What You Need to Know in the ED
Emergency Medicine Residency Didactics
Denver Health Emergency Medicine Residency
Denver, Colorado

b. Education Positions

2020—Present
Instructor
Advanced HAZMAT Life Support
American Academy of Clinical Toxicology

2022—2023
Medical Student Oral Board Examiner
Emergency Medicine Clerkship
Wake Forest School of Medicine
Charlotte, North Carolina

2022
Instructor
Transition to Patient Care Course
Wake Forest School of Medicine
Charlotte, North Carolina

2022
OSCE Evaluator
Transition to Patient Care Course
Wake Forest School of Medicine
Charlotte, North Carolina

2022
Instructor
Critical Care Procedures Course
Critical Care Clerkship
Wake Forest School of Medicine
Charlotte, North Carolina

2022--2023	Clinical Coach Emergency Medicine Clerkship Wake Forest School of Medicine Charlotte, North Carolina
2023—Present	Oral Board Review Course Procter Virtual Oral Board Review Course American Academy of Emergency Medicine
2023—Present	Facilitator Team Based Learning Emergency Medicine Content University of Colorado School of Medicine Aurora, Colorado
2024	Facilitator Trails Emergency Preparedness Exercise University of Colorado School of Medicine Aurora, Colorado
2023—Present	Clinical Preceptor in Emergency Care Longitudinal Integrated Curriculum University of Colorado School of Medicine Aurora, Colorado
2024—Present	Faculty De-briefer Emergency Medicine CAPE Simulation University of Colorado School of Medicine Aurora, Colorado
c. Attending Duties	
2023—Present	Supervision and bedside teaching of residents and medical students Emergency Department- 15 hours / week University of Colorado Anschutz Medical Campus Aurora, Colorado

XII. Grant Support

10/24/2023—10/24/2024

A Modular, Scalable Alternate Care Facility for Patient Surge
MTEC-23-09-MDMS-Modular-005

PI: Little, CM

Role: Co-investigator

Percent Effort: 0.15 FTE

9/30/2023—9/29/2024

Mountain Plains Regional Disaster Health Response System
EP-HIT-20-002

PI: Price, Little

Role: Subject Matter Expert

Percent Effort: 0.15 FTE

2022

Atrium Health Foundation Grant

Coverage for American College of Emergency Medicine's Mass
Casualty Medical Operations Management Course

Award: \$350

XIII. Bibliography**a. Peer Reviewed Articles**

1. Iwuchukwu, I., Mahale, N., **Ryder, J.**, Hsieh, B., Jennings, B., Nguyen, D., Cornwell, K., Beyl, R., Zabaleta, J., & Sothern, M. (2018). Racial differences in intracerebral hemorrhage outcomes in patients with obesity. *Obesity science & practice*, 4(3), 268–275. <https://doi.org/10.1002/osp4.167>

b. Book Chapters

1. Ayo J., **Ryder JA**, Kiel J. Aortic Dissection. In www.5minuteConsult.com. Domino FJ (Ed.), Wolters Kluwer, Philadelphia, PA, 2021
2. Caro, D., Norse, A., **Ryder, J.** "Airway Management in the Emergency Department: Chapter 28. Airway Management for Penetrating Facial Trauma." *Hung's Management of the Difficult and Failed Airway*. Edited by Orlando Hung and Michael F. Murphy, McGraw Hill, 2023, pp. 347-352

c. Scientific Abstracts

1. **Ryder, J.**, Nelson, E., Turconi, M., Fisher, A., Levchecko, V., Bidovanets, O., Bilgram, C., Quaranta, A., Ross, M., Callaway, D. (2023) Prehospital Whole Blood Transfusion Training in Ukraine: A Case Study Highlighting the Efficacy of Collaboration and Advocacy. *Prehospital and Disaster Medicine*, 38(S1), S7-S8. Doi:10.1017/S1049023X23000675