

A. IDENTIFYING DATA

Name Kelly Nicole Roszczynialski, M.D., M.S.

B. ACADEMIC HISTORY

Colleges and Universities Attended

2011 B.S., Magnum Cum Laude (Biology-Psychology)
Birmingham-Southern College, Birmingham, Alabama

2015 M.D., University of Alabama School of Medicine
Birmingham, Alabama

2019 M.S., Masters of Science in Healthcare Simulation
University of Alabama School of Health Professions,
Birmingham, Alabama

Residency and Fellowship Training

2015-2017 Emergency Medicine Residency
University of Alabama at Birmingham
Birmingham, AL

2017-2018 Emergency Medicine Chief Residency
University of Alabama at Birmingham
Birmingham, AL

2018-2019 Simulation Fellowship
Office of Interprofessional Simulation for Innovative Clinical Practice
Department of Emergency Medicine
University of Alabama at Birmingham

Additional Professional Training

07/2018 Comprehensive Instructor Course, Center for Medical Simulation,
Boston, Massachusetts

11/2019 Bedside Medicine Teaching Symposium, Stanford University, Palo Alto, California

10/2020 Northwestern University Designing and Implementing Simulation-Based Mastery
Learning Curricula Virtual Course

2020-2021 ALIEM Faculty Incubator Program, Academic Life in Emergency Medicine

Scholarships and Honors

2017 AWAEM SAEM Resident Travel Award
2017 Alabama ACEP Leadership and Advocacy Scholarship
2011-2015 W. Erle Drennan Medical Scholarship

Board Certification

2019 Board Certified American Board of Emergency Medicine

C. EMPLOYMENT

Academic Appointments:

September 9, 2019 to present	Clinical Assistant Professor Department of Emergency Medicine Stanford University Palo Alto, California
July 1, 2018 to September 4, 2019	Clinical Instructor Department of Emergency Medicine University of Alabama at Birmingham Hospital Birmingham, Alabama
July 1, 2018- June 30, 2019	Simulation Fellow Office of Interprofessional Simulation for Innovative Clinical Practice The University at Alabama at Birmingham Birmingham, Alabama

Other Appointments:

February 1, 2018 to February 30, 2019	St. Vincent's St. Clair Regional Hospital, Pell City, AL Emergency Medicine Physician (Team Heath)
February 1, 2018 to February 30, 2019	St. Vincent's Medical Center Blount, Oneota, AL Emergency Medicine Physician (Team Heath)

D. TEACHING AND CLINICAL CARE

Clinical Teaching Responsibilities

2018 -2019	Emergency Medicine Clerkship, Simulation Coordinator of 3 days/month simulation sessions University of Alabama at Birmingham Hospital, University of Alabama School of Medicine Premature Closure in Schizophrenia and Inferior MI Simulation Case Rapid Cycle Deliberate Practice Ventricular Tachycardia Simulation Medical Management Pneumonia and Sepsis Simulation Case Airway and Intubations Procedure Lab Central Venous Access Simulation Training Bedside Ultrasound in the Emergency Department Splinting for the Emergency Physician
2019	MS4 Preparation for Residency Course, 2 weeks per year University of Alabama at Birmingham Emergency Medicine Prep for Practice, Simulation Coordinator
2019-present	Emergency Medicine Residency Simulation Coordinator, monthly resident simulation conference Stanford University, Department of Emergency Medicine
2020-present	Introduction to the Medically Ill Patient, Co-lead Practice of Medicine Course Series 2 nd year medical students, Stanford School of Medicine

Other Teaching Experience

2015-2019	UAB Emergency Medicine Resident Didactic Lectures Simulation Conference: Trauma RCDP Ethylene Glycol Toxicity Pneumonia and Septic Shock Case Management Sepsis and Undiagnosed Congestive Heart Failure Case Chiefs Conference: The Danger of Assumptions in the ED: OTC Deficiency Case Trans-venous Pacemaker Placement in the ED SANE Examination in the Emergency Department
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Crash Course to the Crashing Patient
Management Airway Emergencies in Laryngectomy vs Tracheostomy
Critically Appraised Question:
Recommendations for sexual assault victim management in the ED
The Unexpected Diagnosis: Identifying Sex-Trafficking in the ED
Hypertension in the Emergency Department: To treat or not treat?

2016 Children's of Alabama UAB Department of Pediatrics Conference
Case and Review of Approach to Pediatric Trauma

2016-2018 UAB MSTP Procedural Skills Workshop Instructor

2017 UASOM MS1 Cardiology Module, Bedside Cardiac Ultrasound: Modified Echocardiogram

2017-2019 Basic Inter-professional Integrated Simulation Course
Closed Loop Communication and Choledocholithiasis Case
SBAR Communication and Sympathomimetic Toxidrome Case
SBAR Communication and Anaphylaxis Case

2018 UASOM MS1 Gastrointestinal Module, Bedside Abdominal Ultrasound: FAST and Gallbladder Exams

2018 Women in Medicine and Science Special Topics Course
WIMS Balancing Life and Work in Medicine Panelist

2018 UASOM MS4 Simulation Teaching Assistant Elective Course
The Structure and Use of Debriefing in Simulation
Troubleshooting Common Problems in Debriefing

2018 UAB Hospital Annual ICU Inter-professional Education

2018 Gardendale Inter-professional Staff Pediatric Simulations: Bronchiolitis Case, Infant Sepsis Case,
Infant Respiratory/Cardiac Arrest Case

2018-2019 UAB Poverty Simulation Debriefers

2018 Gardendale "Day in the Life" Simulation Designer, Facilitator, Debriefers

2019 UAB Gardendale Freestanding Emergency Department Interprofessional Team Simulations, Designer
Human Sex Trafficking, Debriefers
Agitated Psychosis, Debriefers
Pediatric Head Trauma, Facilitator, Debriefers
Code Stroke, Facilitator, Debriefers
Respiratory Distress, Facilitator, Debriefers

2019 Co-enrolled Elective, Course Director, 2 weeks credit, weekly sessions for 12 weeks
University of Alabama School of Medicine
Inter-Professional Simulation and Communication in Healthcare: Theory and Design

2019 Stanford Emergency Medicine 500P Hospital Training
Pediatric Trauma Simulation

2019 Stanford Emergency Medicine Resident Didactic Lectures
Team Challenge Day Simulation
Pulmonary: Acute Pulmonary Hemorrhage Case
Gastrointestinal: Upper GI Bleed with Esophageal Varices Case

2020 Stanford Emergency Medicine Resident Didactic Lectures
Team Challenge Day Simulation
Endocrine: Adrenal Crisis Case
Neurology: Ischemic Cerebrovascular Accident with Cerebral Edema Case

2020 Stanford School of Medicine: Introduction to the Management of the Ill Patient Course
Simulation case series: Asthma Exacerbation, Myocardial Infarction, Urosepsis

2020 Stanford Emergency Medicine Resident Conference
Foundations III: Non-Clinical Skills Residents as Teachers

2020 Stanford Emergency Medicine Medical Education Faculty Development
Rapid Cycle Deliberate Practice: An Introduction

2020 Stanford Department of Emergency Medicine Faculty Development
Simulation-Based Mastery Learning for Central Venous Line Procedure

2020 Stanford School of Medicine Practice of Medicine Procedures Second Year Medical Students
Personal Protective Equipment Mastery Learning

2020 Stanford Emergency Medicine Resident Conference
Faculty 15: The Unexpected Trauma Human Sex Trafficking

2020 Stanford Emergency Medicine Resident Intubation Training for COVID and Trauma Intubation
Coordinated and delivered asynchronous simulation training for all PGY-2 residents

- 2020 Stanford Emergency Medicine Resident Conference
Foundations II: Chest Trauma, Head and Neck Trauma
- 2020 Stanford University
EMED 220 Course: Emergency Radiology
- 2021 Stanford Department of Emergency Medicine Faculty Development
Simulation-Based Mastery Learning for Airway Supervision
- 2021 Stanford Emergency Medicine Resident Femoral Arterial and Central Line Training
Coordinated and delivered asynchronous simulation training for PGY 1&2 residents

Students / Trainees / Mentorship

- 2021-present Jessica Smith, MD, PGY-2 emergency medicine resident, Resident Mentor
- 2021-present Laurel Gardner, MD PGY-2 emergency medicine resident, Resident Mentor
- 2021-present Paige Ruiz, MD, PGY-1 emergency medicine resident, Resident Mentor
- 2021-present Mary Starrs, MD, PGY-1 emergency medicine resident, Resident Mentor

Hospital or Affiliated Institution Appointments

- 2018-2019 Attending physician, University of Alabama at Birmingham affiliated hospitals
- 2019-present Attending physician, Stanford University Hospital

Major Hospital/University Administrative Responsibilities or Committee Assignments

- 2017-2018 Association of Advocates for Women in Science and Medicine, Organizing Committee President
- 2017-2019 University of Alabama School of Medicine Learning Environment Committee Member
- 2018-2019 AMWA Region 5 Conference Organizing Committee
- 2018-2019 UAB Branch of the American Medical Women's Association Board, Trainee Advocate
- 2020-present Clinical Competency Committee, Department of Emergency Medicine, Stanford University
- 2020-present Stanford Women of Emergency Medicine, Founder and Lead, Department of Emergency Medicine, Stanford University
- 2020-present Education Strategic Plan Committee, Department of Emergency Medicine, Stanford University

E. PUBLIC AND PROFESSIONAL SERVICE

Service Related to Professional Work

- 2017-2019 University of Alabama School of Medicine Learning Communities Housestaff Mentor
- 2019-present Society for Healthcare Simulation Formal Training Affinity Group, Management Team Communications

Professional Societies

- 2015-present Emergency Medicine Resident's Association (EMRA)
- 2015-present American College of Emergency Physicians (ACEP)
- 2015-present Society for Emergency Medicine (SAEM)
- 2017-present Academy of Women in Academic Emergency Medicine (AWAEM)
- 2017-present American Academy of Women Emergency Physicians (AAWEP)
- 2018-present American Academy of Emergency Medicine (AAEM)
- 2018-present Society for Simulation in Healthcare (SSH)

F. POST-DEGREE HONORS AND AWARDS

- 2018 UAB Emergency Medicine Chief Resident Award
- 2018 AMWA Women in Science Award
- 2019 Samuel B. Barker Award- Masters of Science in Healthcare Simulation Nominee
- 2020 September Outstanding Educator of the Month, Stanford Emergency Medicine Department
- 2020 The Development of a Video Simulation Training to Educate Emergency Medicine Residents on Airway Protocols for COVID-19, Poster Award Third Place
International Telesimulation in Healthcare Conference
- 2020 October Outstanding Educator of the Month, Stanford Emergency Medicine Department

G. OTHER STUDY AND RESEARCH OPPORTUNITIES

H. BIBLIOGRAPHY

Peer-reviewed Journal Publications (10 total, 1 in press, 5 submitted)

1. Masyukova, S.V., D.E. Landis; S.J. Henke; C.L. Williams; J.N. Pieczynski; **K.N. Roszczynialski** J.E. Covington; E.B. Malarkey; B.K. Yoder. *A Screen for Modifiers of Cilia Phenotypes Reveals Novel MKS Alleles and Uncovers a Specific Genetic Interaction between osm-3 and nphp-4*. PLoS Genetics 2016.12(2):e1005841. doi:10.1371/journal.pgen.1005841
2. **Kelly Roszczynialski, MD**, Scott Irvine, MD, Lauren Walter, MD. *Trade Secrets: Human Sex Trafficking*. American College of Emergency Physicians Critical Decisions in Emergency Medicine. 2018. 32(12):3-10.
3. **Kelly Roszczynialski, MD, MS**. *Boerhaave Syndrome Simulation Scenario*. The Sim Book. 2019. thesimbook.com/abdominal-gastroenterology.
4. Warner K, Rider A, Marvel J, and **Roszczynialski K**. *Improving Emergency Department Airway Preparedness in the era of COVID-19: An Inter-professional Simulation*. JETEM.
5. **Kelly N. Roszczynialski, MD, MS**, Shilpa J. Register, PhD, OD, Lisa Bergman, MSN, RN, and Marjorie Lee White, MD, MPPM, MA. *An Investigation on the Perceptions of Practicing Interdisciplinary Health Professionals on Rapid Cycle Deliberate Practice Simulation*. Simulation in Healthcare. In press.
6. Miller, DT, Pokrajac N, Ngo J, Gallegos M, Dixon W, **Roszczynialski KN**, Ng K, Taleghani N, Gisoni MA. *Simulated Mastery Learning Improves Use of Personal Protective Equipment by Medical Students*. Medical Education Online. Submitted January 2021.
7. Jenny O'Rourke, PhD, APRN, CHSE, Michelle Brown, PhD, MLS(ASCP)CMSBBCM, CHSE, Mary Ellen Elias, MSN, RN, Gregory S. Podolej, MD, FACEP, Annemarie Cardell, MD, Antoinette Golden, MD, Raya Gurevich-Gal, MA, BN, RN, **Kelly N. Roszczynialski, MD, MS**, Baraa Tayeb, MBBS, MS, D.ABA, ABHPM, and Nelson Wong, MD, MSHPEd *Towards Comprehensive Simulation Training Program Curriculum Standards: A Scoping Review*. Simulation In Healthcare. Submitted March 2021.
8. Cynthia Ran Peng, MD, Kristen M Ng, MD, **Kelly N. Roszczynialski, MD, MS**, Steven Warrington, MD, MEd, MS, FACEP, and Kimberly A. Schertzer, MD. MPPM, MA. *Rapid Cycle Deliberate Practice in Virtual Reality: Teaching Transvenous Pacemaker Insertion to Emergency Medicine Residents*. Simulation in Healthcare. Submitted March 2021
9. Nicholas Pokrajac, MD, Kimberly Schertzer, MD, **Kelly N. Roszczynialski, MD, MS**, Ashley Rider, MD, Sarah R. Williams, MD, MPHE, Cori McClure Poffenberger, MD, Michael A. Gisoni, MD. *Mastery learning improves simulated central venous catheter insertion by emergency medicine teaching faculty*. Annals of Emergency Medicine. Submitted March 2021
10. Nickerson, Jillian; Ghatak-Roy, Aditi; Donnelly, Katie; Thomas, Anita; Robinson, Daniel; **Roszczynialski, Kelly**; Zhao, Xian. *The Current State of Pediatric Emergency Medicine Training in Emergency Medicine Residencies*. Academic Emergency Medicine. Submitted April 2021

Non-Peer-reviewed Articles (1 total)

1. Riccardo Bianchi, PhD, Sophia Lin MD, Jeanne MacLeod MD, Kristine Prince DNP, **and Kelly Roszczynialski MD**. *Transition to Academics*. International Clinician Educators Blog. March 2, 2021. <https://icenetblog.royalcollege.ca/2021/03/02/transition-to-academics/>

Book Chapters (1 total)

1. Newberry J and **Roszczynialski K**. *Altered Mental Status*. Online: EM:RAP CorePendium. www.emrap.org/corpendium/chapter/receuDGIrwa4tylmX/Altered-Mental-Status

Books (none)

Book Reviews (none)

Published abstracts (none)

Abstracts and Posters Presented at Meetings

1. (Oral Presentation) Quality Indicators in Microvascular-Free Tissue Transfers: A Retrospective Analysis. **Kelly Roszczyniowski** and Eben Rosenthal, MD. August 2102. UABSOM CaRES Annual Seminar. Birmingham, AL.
2. (Poster) Comparison of Microvascular-Free Tissue Transfer Indications and Patient Outcomes in Head and Neck Surgery **Kelly Roszczyniowski** and Eben Rosenthal, MD. September 2012. University of Alabama School of Medicine Medical Student Research Day. Birmingham, AL.
3. (Oral Presentation) Equal Access Birmingham and Medical Student Involvement in Jefferson County. **Kelly Roszczyniowski**. February 2013. University of Miami Miller School of Medicine DOCS Student Community Outreach Conference. Miami, FL.
4. (Poster) Sex Trafficking and Emergency Medicine: An Area for Improvement in Knowledge and Training.
5. Loveley T, Davison P, **Roszczyniowski K**, and Delaney M. Low-dose Ketamine for the Treatment of Acute Pain in the Emergency Department. CORD Academic Assembly. April 2015. Phoenix, AZ.
6. **Kelly Roszczyniowski, MD**, Scott Irvine, MD, Lauren Walter, MD. March 2017. Southeast Symposium for Advocates for Women in Science and Medicine. University of Virginia School of Medicine. Charlottesville, VA.
7. (Poster) Human Sex Trafficking: A Team Based Educational Didactic Intervention in the Emergency Department. Sarah Bode, **Kelly Roszczyniowski, MD**, Scott Irvine, MD, and Lauren Walter, MD. September 2017. University of Alabama School of Medicine (UASOM) Research and Innovations in Medical Education (RIME) Summit. Birmingham, AL
8. (Poster) Incision and Drainage in the ED? Erin Shufflebarger MD, **Kelly Roszczyniowski MD**, Lauren Walter MD. April 2018. American Academy of Emergency Medicine (AAEM) 2018 Scientific Assembly. San Diego, CA.
9. (Poster) Development and Implementation of a Novel Sex Trafficking Educational Didactic for Emergency Medicine Residents. **Kelly Roszczyniowski, MD**, Scott Irvine, MD, and Lauren Walter, MD. March 2018. American Medical Women's Association (AMWA) Annual Meeting. Philadelphia, PA.
10. (Oral Presentation) Human Sex Trafficking: A Team-based Educational Intervention for Emergency Department Providers. **Kelly Roszczyniowski MD**, Sarah Bode, Scott Irvine MD, Lauren Walter MD. March 2018. American Medical Women's Association (AMWA) Annual Meeting. Philadelphia, PA.
11. (Poster) An Investigation on the Perceptions of Practicing Interdisciplinary Health Professionals on Rapid Cycle Deliberate Practice Simulation. **Kelly N. Roszczyniowski**, MD, MS, Shilpa Register PhD, OD, Lisa Bergman, RN, and Marjorie Lee White MD, MPPM, MA. January 2020. International Meeting of Healthcare Simulation (IMSH). San Diego, CA.
12. The development of a video simulation training to educate emergency medicine residents on airway protocols for COVID-19. Ashley C. Rider, **Kelly N. Roszczyniowski**, Holly Caretta-Weyer, and Kimberly Schertzer. 1st Annual Telesimulation in Healthcare Conference. September 22, 2020.
13. Use of video simulation to educate emergency medicine residents on intubation protocols for patients under investigation for COVID-19. **Kelly N. Roszczyniowski**, Ashley C. Rider, Holly Caretta-Weyer, and Kimberly Schertzer. January 25, 2021. International Meeting of Healthcare Simulation (IMSH). Virtual
14. Miller DT, Pokrajac N, Ngo J, Gallegos M, Dixon W, **Roszczyniowski KN**, Ng K, Taleghani N, Gisoni MA. Simulation Based Mastery Learning Improves Use of Personal Protective Equipment by Medical Students. Virtual CORD 2021.
15. Miller, DT, Pokrajac N, Ngo J, Gallegos M, Dixon W, **Roszczyniowski KN**, Ng K, Taleghani N, Gisoni MA. Simulation Based Mastery Learning Improves Use of Personal Protective Equipment by Medical Students. Virtual SAEM 2021.
16. Nicholas Pokrajac, MD, Kimberly Schertzer, MD, Kelly N. Roszczyniowski, MD, MS, Ashley Rider, MD, Sarah R. Williams, MD, MPHE, Cori McClure Poffenberger, MD, Michael A. Gisoni, MD. Mastery learning improves simulated central venous catheter insertion by emergency medicine teaching faculty. Virtual SAEM 2021

Invited Presentations: Regional

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| 2017 | Alabama EMS Continuing Education Curriculum
"Abdominal Emergencies, Pre-hospital Management Considerations"
Procedural Cadaver Lab, Facilitator
Birmingham, Alabama |
| 2018 | Kansas City Healthcare Simulation Conference, Kansas University Medical Center
"Filling your Toolbox: A Foundation for Simulation, Debriefing Techniques Workshop"
Kansas City, Kansas |

- 2018 Region 5 American Medical Women's Association (AMWA) Conference
 "Identifying Victims of Human Sex Trafficking for Medical Providers" Co-Presenter
 Medical Student Suture Workshop, Facilitator
 Birmingham, Alabama
- 2018 Symposium Advocates for Women in Science and Medicine, University of Alabama School of Medicine
 "Balancing Work and Life in a Gender Imbalanced Profession"
 Birmingham, Alabama
- 2019 American Medical Women Association Region 5, University of Alabama at Birmingham
 "Choosing a Specialty" Resident Panel Moderator
 Medical Student Suture Workshop, Facilitator
 Birmingham, Alabama
- 2019-2020 Pediatric Readiness Stanford Emergency Department Simulation Division
 Simulation Case "Infant SVT"
 Mills Peninsula Hospital, Department of Emergency Medicine
 Alameda Hospital, Department of Emergency Medicine
 San Leandro Hospital, Department of Emergency Medicine
 Alta Bates Hospital, Department of Emergency Medicine
- 2021 Stanford Nursing ED Training Program
 "Human Sex Trafficking in the Emergency Department"

Invited Presentations: National

- 2017 American College of Emergency Physicians (ACEP) Annual Meeting New Speakers Forum
 "Human Sex Trafficking in the ED: Fact or Crap"
 Washington District of Columbia
- 2019 IMSH Society for Simulation in Healthcare Annual Meeting
 "Procedural Simulation: Design, Facilitation, Debriefing, and Coaching"
 San Antonio, Texas