

# CARVER COLLEGE OF MEDICINE CURRICULUM VITAE

Updated October 1, 2021

## Nathaniel Shekem, PA-C, MPAS

Clinical Assistant Professor  
APP Residency Program Director  
Department of Emergency Medicine  
University of Iowa Carver College of Medicine

  
nathaniel-shekem@uiowa.edu

### I. EDUCATIONAL AND PROFESSIONAL HISTORY

#### A. List of institutions attended (earliest to most recent)

2010	BS (Medical Microbiology and Immunology) - University of Wisconsin-Madison, Madison, Wisconsin
2014	MPAS (Master of Physician Assistant Studies) - University of Iowa, Iowa City, Iowa

#### Postgraduate Training

2014 - 2015	University of Iowa PA Emergency Medicine Residency, Iowa City, Iowa
-------------	---

#### Licensures

2014 - 2022	State of Iowa Physician Assistant License, Iowa Board of Physician Assistants
-------------	---

#### Certifications

2014 - 2021	PALS Instructor, American Heart Association
2014 - 2022	ACLS, American Heart Association
2021 – 2023	Basic Life Support (CPR and AED) Program, American Heart Association
2015 - 2023	ATLS, American College of Surgeons
2019-Present	MAT X Waiver Training, SAMHSA

#### B. Professional Development Activities

August 2017	Training/Development Program, Provider Communications Workshop, University of Iowa Health Care, Iowa City, Iowa, United States
May 2018	Conference Attendance, SEMPA 360, SEMPA, San Antonio, Texas, United States

## Nathaniel Shekem – October 2021

April 2019	Conference Attendance, SEMPA 360, SEMPA, New Orleans, Louisiana, United States
February 2020	Training/Development Program, Child Life In Service Training, University of Iowa Hospitals and Clinics Child Life Services, Iowa City, Iowa, United States
August 2021	Training/Development Program, Values Coach Training with Joe Tye, University of Iowa Department of Emergency Medicine, Iowa City, Iowa, United States
May 2021	Conference Attendance, SEMPA 360, SEMPA

### **C. Employment History**

2016 - 2017	Physician Assistant, Department of Emergency Medicine University of Iowa Hospitals and Clinics, Iowa City, Iowa
2019 - 2021	Consultant Hippo Education, Woodland Hills, California, United States
2017 - Present	Clinical Assistant Professor, Department of Emergency Medicine University of Iowa Hospitals and Clinics, Iowa City, Iowa

### **D. Honors, Awards, Recognitions, Outstanding Achievements**

2012	Rex Montgomery Physician Assistant Scholarship - University of Iowa PA Program
2014	Marty Holmes Memorial Award - University of Iowa PA Program
2015	AAEM Emergency Medicine Physician Assistant Fellowship Challenge Bowl - American Academy of Emergency Medicine
2018	Excellence in Interprofessional Education and Practice Award - University of Iowa GME Office
2019	University of Iowa National Pi Alpha National Honor Society - University of Iowa PA Program
2019	Making a Difference Award - University of Iowa Hospitals and Clinics

## **II. TEACHING**

### **A. Teaching assignments**

#### **Classroom, Seminar, Teaching Laboratory**

August 2017 - December 2017	Carver College of Medicine, Clinical and Professional Skills I, Facilitator
January 2018 - May 2018	Carver College of Medicine, Clinical and Professional Skills II, Facilitator
August 2018 - December 2018	Carver College of Medicine, Clinical and Professional Skills I, Facilitator
January 2019 - May	Carver College of Medicine, Clinical and Professional Skills II,

### Nathaniel Shekem – October 2021

2019	Facilitator
August 2019 - December 2019	Carver College of Medicine, Clinical and Professional Skills I, Facilitator
January 2020 - May 2020	Carver College of Medicine, Clinical and Professional Skills II, Facilitator
August 2020 - December 2020	Carver College of Medicine, Clinical and Professional Skills I, Facilitator
January 2021 - May 2021	Carver College of Medicine, Clinical and Professional Skills II, Facilitator
July 2020 - Present	Carver College of Medicine, PA Program, Fundamentals of Radiology for Physician Assistants, Clinical Instructor, Lecture: Ultrasound Basics for Primary Care
August 2021 - Present	Carver College of Medicine, Clinical and Professional Skills I, Facilitator

### Other Clinical Teaching Activities

June 2020 - Present	Carver College of Medicine, Fundamentals of Radiology for Physician Assistants, Course Director
---------------------	---

## **B. Supervision**

### Physician Assistant Students

2017	Wesley Lyons - PA Student - University of Iowa PA Program - MPAS University of Iowa
2018	Samantha Sparrow - PA Student - University of Iowa PA Program - MPAS University of Iowa
2018	Ana Tilghman - PA student - University of Iowa PA Student - MPAS University of Iowa
2018	Laura Riesberg - PA Student - University of Iowa PA Program - MPAS University of Iowa
2019	Charlie Walters - PA Student - University of Iowa PA Program - MPAS University of Iowa
2019	Janie Myers - PA Student - University of Iowa PA Program - MPAS University of Iowa
2019	Paul Kretkowski - PA Student - University of Iowa PA Program - MPAS University of Iowa
2020	Myles Xanh - PA Student - University of Iowa PA Program - MPAS

### Nathaniel Shekem – October 2021

University of Iowa

2020	Alexandra Kuhn - PA Student - University of Iowa PA Program - MPAS
2020	Karli Kisch - PA Student - University of Iowa PA Program - MPAS
2020	Terry Hayes - PA Student - University of Iowa PA Program - MPAS
2020	Jacob Daniels - PA Student - University of Iowa - MPAS
2020	Reid Senesac - PA Student - University of Iowa PA Program - MPAS
2021	Alexandra Kuhn – PA Student - University of Iowa PA Program - MPAS
2021	Kristina Hollkamp – PA Student - University of Iowa PA Program - MPAS
2021	Julianne Iandoli – PA Student - University of Iowa PA Program – MPAS
2021	Austin Schmidt – PA Student - University of Iowa PA Program – MPAS
2021	Bayleigh White – PA Student - University of Iowa PA Program -- MPAS

### Formal Resident Mentorship

2017 - 2018	Alysia Horcher - Post-graduate training - University of Iowa APP Emergency Medicine Residency - Certificate University of Iowa Emergency Department
2020 - 2021	Alexander Pelman - Post-graduate training - University of Iowa APP Emergency Medicine Residency - Certificate University of Iowa Emergency Department
2021 - Present	Tyler Meseke – Post-graduate training - University of Iowa APP Emergency Medicine Residency – Certificate University of Iowa Emergency Department

## **C. Other Teaching Contributions**

### Institutional Conferences, Grand Rounds, Journal Clubs, Etc.

August 2017	Heat Stroke - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
October 2017	Simple Tuberculosis - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
October 2017	Urolithiasis with Septic Shock - UIHC Department of Emergency

Nathaniel Shekem – October 2021

	Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
November 2017	Subdural Hematoma - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
December 2017	Traumatic Pericardial Tamponade and ED Thoracotomy - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
January 2018	Bradycardia - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
January 2018	LVAD Failure - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
January 2018	Monomorphic VT and Myocardial Infarction - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
January 2018	Non-Life Threatening Chest Pain - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
March 2018	Approach to STEMI - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine EKG Curriculum</i>
March 2018	Calcium Channel Blocker Toxicity - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
March 2018	Psychosis/Agitated ED Patient - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
March 2018	Salicylate Toxicity - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
April 2018	Approach to Ischemia Mimics - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine EKG Curriculum</i>
April 2018	Meningitis - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
May 2018	Rocky Mountain Spotted Fever - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
May 2018	Sexual Assault - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral</i>

Nathaniel Shekem – October 2021

*Boards Case*

June 2018	Approach to Bradyarrhythmias - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine EKG Curriculum</i>
July 2018	ALS Month for ED Interns - Approach to Narrow Complex Tachycardia - UIHC Department of Emergency Medicine, <i>Lecture</i>
August 2018	Organophosphate Toxicity - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
August 2018	Potassium Derangement - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine EKG Curriculum</i>
September 2018	High Altitude Cerebral Edema - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
September 2018	New Onset Atrial Fibrillation - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
September 2018	Supraventricular Tachycardia - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
September 2018	Unstable Bradycardia - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
October 2018	Cat Bite - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
October 2018	Crashing Pulmonary Embolism - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
October 2018	Rattlesnake Bite - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
November 2018	Cocaine Chest Pain - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
November 2018	Cystic Fibrosis - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
November 2018	Skills Workshop - Trigger Point Injections, Ultrasound Guided IVs, Hematoma Blocks - UIHC Department of Emergency Medicine <i>Department Conference</i>

Nathaniel Shekem – October 2021

December 2018	Cauda Equina - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
December 2018	Central Vertigo - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
December 2018	Ischemic Stroke - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
January 2019	Auricular Hematoma - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
January 2019	Bell's Palsy - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
January 2019	Frostbite Management - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
January 2019	Giant Cell Arteritis - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
January 2019	Ludwig's Angina - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
February 2019	Antibiotics Only for Appendicitis - University of Iowa Department of Emergency Medicine <i>Facilitator for Residency/Department Journal Club</i>
February 2019	Hematology and Oncology Board Review - UIHC Department of Emergency Medicine <i>In training exam board review for physician residents</i>
February 2019	Hypertensive Emergency - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
February 2019	Rheumatic Fever - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
February 2019	Staphylococcal Scaled Skin Syndrome - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
March 2019	Boerhaave's Syndrome - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
March 2019	Diverticular Disease - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
March 2019	Perianal Abscess - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
April 2019	Critical Aortic Coarctation - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>

Nathaniel Shekem – October 2021

April 2019	Hidradenitis Suppurativa - UIHC Department of Emergency Medicine <i>Department Conference</i>
April 2019	LVAD Failure - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
April 2019	Pilonidal Disease - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
May 2019	Transfusion Associated Acute Lung Injury - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
June 2019	Mass Casualty Incident and Blast Injury - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
June 2019	Penetrating Chest Trauma - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
July 2019	High Altitude Cerebral Edema and Snakebite Injury - UIHC Department of Emergency Medicine <i>Station Coordinator, ALS month Wilderness Medicine Race for medical students and interns</i>
August 2019	DVT - UIHC Department of Emergency Medicine <i>Department Conference, Small Group Leader</i>
August 2019	Leukopenia - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
August 2019	Multiple Myeloma - UIHC Department of Emergency Medicine <i>Department Conference, Small Group Leader</i>
August 2019	Refractory Atrial Fibrillation with RVR - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
September 2019	Simulation - VT Electrical Storm with ICD - University of Iowa Department of Emergency Medicine, <i>case creator and facilitator</i>
October 2019	Simple Tuberculosis - UIHC Department of Emergency Medicine <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
November 2019	Simulation - Blunt Trauma Arrest - University of Iowa Department of Emergency Medicine, <i>case creator and facilitator</i>
December 2019	Simulation - PEA Arrest - University of Iowa Department of Emergency Medicine, <i>case creator and facilitator</i>
January 2020	Simulation - Calcium Channel Blocker Overdose - University of Iowa Department of Emergency Medicine, <i>case creator and facilitator</i>
March 2020	First Trimester Vaginal Bleeding - UIHC Department of Emergency Medicine, <i>Department Conference, Lecture</i>
April 2020	Journal Club Faculty Leader: Contrast Induced Nephropathy - University of Iowa Department of Emergency Medicine



## Nathaniel Shekem – October 2021

August 2020	Simulation - Pediatric Hyponatremia and Seizure - University of Iowa Department of Emergency Medicine
September 2020	Abdominal Hernias - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
September 2020	Simulation - Telemedicine and Breaking Bad News/Palliative Patients in the ED - University of Iowa Department of Emergency Medicine
October 2020	
November 2020	Simulation - MVC with Femur Fracture, Hypovolemic Shock and Orbital Compartment Syndrome Requiring Lateral Canthotomy and Cantholysis - University of Iowa Department of Emergency Medicine.
December 2020	Myxedema Coma - UIHC Department of Emergency Medicine, Lecture <i>Department Conference, Foundations of Emergency Medicine Oral Boards Case</i>
January 2021	EKG in Syncope - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
January 2021	Simulation - Penetrating Thoracic Chest Trauma Requiring Chest Tube - University of Iowa Department of Emergency Medicine
February 2021	Evidence Based Management of Aortic Dissection - UIHC Department of Emergency Medicine, <i>Department Conference, Lecture</i>
February 2021	Skills Workshop - Pediatric Transtracheal Jet Ventilation - University of Iowa Department of Emergency Medicine
March 2021	Management of Psychosis in the Emergency Department - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
March 2021	Multiple Myeloma - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
March 2021	Simulation - Respiratory Distress from Neck Mass Requiring Awake Fiberoptic Intubation - University of Iowa Department of Emergency Medicine
April 2021	Journal Club Faculty Leader: Low risk chest pain clinical decision tools with high sensitivity troponin, intramuscular medications for agitated patients, PreVent Trial - University of Iowa Department of Emergency Medicine
April 2021	Mock Oral Boards Practice for Physician Residents: Appendicitis in Pregnancy - University of Iowa Department of Emergency Medicine
June 2021	Decompensated Hypothyroidism (Myxedema Coma) - UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>
June 2021	Simulation - PEA Arrest/Shock/Tension Pneumothorax/Ogilvie's Syndrome - University of Iowa Department of Emergency Medicine
July 2021	ED Intern ALS Month: ED Documentation Pearls and Pitfalls - University of Iowa Department of Emergency Medicine, <i>Lecture</i>
July 2021	Retinal Detachment and Posterior Vitreous Detachment – UIHC Department of Emergency Medicine <i>Department Conference, Lecture</i>

## Nathaniel Shekem – October 2021

September 2021	First Trimester Vaginal Bleeding – University of Iowa Department of Emergency Medicine <i>Department Conference, Lecture</i>
September 2021	Resident SimWars Competition – University of Iowa Department of Emergency Medicine <i>Department Conference, Director/Coordinator</i>
July 2015 - Present	ED Intern ALS Month: Add Some Swag to your Appendicitis Game – University of Iowa Department of Emergency Medicine, <i>Lecture</i>
July 2018 - Present	Functioning in the Emergency Department - UIHC Department of Emergency Medicine <i>Coordinator for half day curriculum for ALS month for medical students and EM interns</i>

### Other Teaching Contributions

September 2017 - February 2018	Orthopaedic X-Ray Review - University of Iowa Department of Emergency Medicine <i>Iowa Fundamentals of Emergency Medicine CME Course, Lecture</i>
June 2018	Approach to Dehydration, IV Fluids, and Basic Labs - University of Iowa Department of Emergency Medicine <i>Urgent Care Curriculum for Department of Family Medicine, Lecture</i>
June 2018	Approach to Dizziness - University of Iowa Department of Emergency Medicine <i>Urgent Care Curriculum for Department of Family Medicine, Lecture</i>
June 2018	Approach to Fever - University of Iowa Department of Emergency Medicine <i>Urgent Care Curriculum for Department of Family Medicine, Lecture</i>
June 2018	Approach to Rash - University of Iowa Department of Emergency Medicine <i>Urgent Care Curriculum for Department of Family Medicine, Lecture</i>
September 2017	Simulation - Shock and Toxicology - University of Iowa Department of Emergency Medicine <i>Iowa Fundamentals of Emergency Medicine CME Course</i>
September 2018	Skills Workshop - Ultrasound Guided Peripheral IVs - University of Iowa Department of Emergency Medicine <i>Iowa Fundamentals of Emergency Medicine CME Course</i>
February 2019	Anaphylaxis, Ischemic Stroke, Massive PE - University of Iowa Department of Emergency Medicine <i>Iowa Fundamentals of Emergency Medicine CME Course, small group case discussion</i>
February 2019	CHF Management - University of Iowa Emergency Medical Services Learning and Resource Center <i>EMS Refresher Course</i>
February 2019	Fluid Resuscitation - University of Iowa Emergency Medical Services Learning and Resource Center <i>EMS Refresher Course</i>
February 2019	LVAD Management - University of Iowa Emergency Medical Services Learning and Resource Center

Nathaniel Shekem – October 2021

*EMS Refresher Course*

February 2019	Opioids and Toxicology Review - University of Iowa Emergency Medical Services Learning and Resource Center <i>EMS Refresher Course</i>
February 2019	Pain Management - University of Iowa Emergency Medical Services Learning and Resource Center <i>EMS Refresher Course</i>
February 2019	Psychiatric and Agitation Management - University of Iowa Emergency Medical Services Learning and Resource Center <i>EMS Refresher Course</i>
February 2019	Skills Workshop - Ultrasound Basics Workshop - University of Iowa Department of Emergency Medicine <i>Iowa Fundamentals of Emergency Medicine CME Course</i>
May 2019	EKG Review - University of Iowa Emergency Medical Services Learning and Resource Center <i>Critical Care Paramedic Refresher Course</i>
June 2019	Medicolegal Review for EMS - University of Iowa Emergency Medical Services Learning and Resource Center <i>Critical Care Paramedic Refresher Course</i>
June 2019	Pain Management Review for EMS - University of Iowa Emergency Medical Services Learning and Resource Center <i>Critical Care Paramedic Refresher Course</i>
June 2019	Practical Toxicology Review for EMS - University of Iowa Emergency Medical Services Learning and Resource Center <i>Critical Care Paramedic Refresher Course</i>
September 2019	Simulation - Unstable Bradycardia and Overdose - University of Iowa Department of Emergency Medicine <i>Iowa Fundamentals of Emergency Medicine CME Course, case creator and facilitator</i>
March 2020	Management of Aortic Dissection, Hypertensive Emergency, Ruptured AAA - University of Iowa Department of Emergency Medicine <i>Virtual Teaching for Emergency Medicine Clerkship during COVID</i>
April 2020	Ultrasound Diagnosis Challenge - University of Iowa Department of Emergency Medicine <i>Mini ALS month for medical students</i>
May 2020	Management of Tracheostomy Complications, Hypertensive Pulmonary Edema, Simple TB - University of Iowa Department of Emergency Medicine <i>Virtual teaching for emergency medicine clerkship during COVID</i>
October 2020	Emergency Department In Situ Simulation: PEA Arrest – University of Iowa Department of Emergency Medicine
March 2021	Emergency Department In Situ Simulation: Precipitous Emergency Department Delivery - University of Iowa Department of Emergency Medicine
April 2021	Simulation for Medical Student Mini ALS Course: PEA Arrest - University of Iowa Department of Emergency Medicine

Nathaniel Shekem – October 2021

April 2021	Transition to Residency: Evidence Based Approach to Appendicitis - University of Iowa Department of Emergency Medicine, <i>Lecture</i>
June 2021	Emergency Department In Situ Simulation: Pediatric Drowning - University of Iowa Department of Emergency Medicine
September 2021	Emergency Department In Situ Simulation: LVAD and Hemorrhagic Stroke – University of Iowa Department of emergency Medicine
June 2020 - Present	PA Student Skills Workshop for Ultrasound Basics - University of Iowa PA Program
March 2016 - Present	Suturing and Incision and Drainage Workshop - University of Iowa Department of Emergency Medicine <i>Iowa Fundamentals of Emergency Medicine CME Course, workshop facilitator</i>
September 2017 - Present	Syncope Management in the Emergency Department - University of Iowa Department of Emergency Medicine <i>Iowa Fundamentals of Emergency Medicine CME Course, Lecture</i>
April 2018 - Present	Transitions to Residency: Approach to Dyspnea - University of Iowa Department of Emergency Medicine, <i>Lecture</i>
January 2019 - Present	PA Student Skills Workshop for Basic Splinting Techniques - University of Iowa PA Program
January 2019 - Present	PA Student Skills Workshop for Peripheral IVs - University of Iowa PA Program
January 2019 - Present	PA Student Skills Workshop for Suturing Techniques - University of Iowa PA Program
September 2019 - Present	Simulation - Anaphylactic Shock - University of Iowa Department of Emergency Medicine <i>Iowa Fundamentals of Emergency Medicine CME Course, case creator and facilitator</i>
September 2019 - Present	Asymptomatic Hypertension Management in the Emergency Department - University of Iowa Department of Emergency Medicine <i>Iowa Fundamentals of Emergency Medicine CME Course, Lecture</i>
September 2019 - Present	Overview of Low Risk Chest Pain - University of Iowa Department of Emergency Medicine <i>Iowa Fundamentals of Emergency Medicine CME Course, Lecture</i>
September 2019 - Present	Simulation - Pediatric Polytrauma - University of Iowa Department of Emergency Medicine <i>Iowa Fundamentals of Emergency Medicine CME Course, case creator and facilitator</i>
September 2019 - Present	Simulation - Syncope and Hyperkalemia - University of Iowa Department of Emergency Medicine <i>Iowa Fundamentals of Emergency Medicine CME Course, case creator and facilitator</i>
September 2019 - Present	VT Electrical Storm with ICD - University of Iowa Department of Emergency Medicine

Nathaniel Shekem – October 2021

*Iowa Fundamentals of Emergency Medicine CME Course, simulation activity, case creator and facilitator*

July 2020 - Present

Central Line Training for Emergency Medicine Interns - University of Iowa Department of Emergency Medicine, *Co-instructor*

### III. SCHOLARSHIP/PROFESSIONAL PRODUCTIVITY

#### A. Publications or creative works (earliest to most recent)

##### Peer-reviewed papers and journal articles

1. Akhtar M, Van Heukelom PG, Ahmed A, Tranter RD, White E, **Shekem N**, Walz D, Fairfield C, Vakkalanka JP, Mohr NM. Telemedicine physical examination utilizing a consumer device demonstrates poor concordance with in-person physical examination in emergency department patients with sore throat: A prospective blinded study, *Telemedicine and e-Health*. 2018 October 1;24(10):790-796. doi: 10.1089/tmj.2017.0240.

##### Chapters

1. **Shekem N**, Van Heukelom J. Ring Removal. *Essential Clinical Procedures*. 4. Edited by: Asprey D, Dehn R, Elsevier. 2020. p. 260-268.

#### B. Areas of Research Interest

Training and Utilization of Advanced Practice Providers.

Emergency Medicine Simulation.

Quality Improvement in Emergency Medicine.

#### C. Presentations

##### Consultant and content creator

- |               |  |
|---------------|--|
| December 2019 | Adult EM Bootcamp, Hippo Education. <i>Acute Aortic Dissection</i> .   |
| December 2019 | Adult EM Bootcamp, Hippo Education. <i>Acute CHF Exacerbation</i> .  |
| December 2019 | Adult EM Bootcamp, Hippo Education. <i>Acute Coronary Syndrome</i> .   |
| December 2019 | Adult EM Bootcamp, Hippo Education. <i>Acute Pulmonary Embolism</i> .  |
| December 2019 | Adult EM Bootcamp, Hippo Education. <i>Asthma and COPD Exacerbations</i> .   |
| December 2019 | Adult EM Bootcamp, Hippo Education. <i>Asymptomatic Elevated Blood Pressure</i> .  |
| December 2019 | Adult EM Bootcamp, Hippo Education. <i>Deep Vein Thrombosis</i> .  |
| December 2019 | Adult EM Bootcamp, Hippo Education. <i>Practical Toxicology</i> .  |
| December 2019 | Adult EM Bootcamp, Hippo Education. <i>Skin and Soft Tissue Infections: Tetanus and Rabies Management</i> .                            |
| December 2019 | Adult EM Bootcamp, Hippo Education. <i>Tuberculosis Management</i> .   |
| March 2021    | LLSA Prep, Hippo Education. <i>2021 LLSA Article Review: Batabyal et al. Improving Management of Severe Asthma; BiPAP and Beyond</i> . |

Nathaniel Shekem – October 2021

- March 2021 LLSA Prep, Hippo Education. *2021 LLSA Article Review: Bontempo et al. Tracheostomy Emergencies.*
- March 2021 LLSA Prep, Hippo Education. *2021 LLSA Article Review: Casey et al. Bag-Mask Ventilation During Tracheal Intubation of Critically Ill Adults.*
- March 2021 LLSA Prep, Hippo Education. *2021 LLSA Article Review: Duber et al. Identification, Management and Transition of Care for Patients With Opioid Use Disorder in the Emergency Department.*
- March 2021 LLSA Prep, Hippo Education. *2021 LLSA Article Review: Edlow. Managing Patients with Transient Ischemic Attack.*
- March 2021 LLSA Prep, Hippo Education. *2021 LLSA Article Review: Ferguson et al. Malpractice in Emergency Medicine: A Review of Risk and Mitigation Practices for the Emergency Medicine Provider.*
- March 2021 LLSA Prep, Hippo Education. *2021 LLSA Article Review: Garro et al. Managing Peripheral Facial Palsy.*
- March 2021 LLSA Prep, Hippo Education. *2021 LLSA Article Review: Greenslade et al. Diagnostic Accuracy of a New High-Sensitivity Troponin I Assay and Five Accelerated Diagnostic Pathways for Ruling Out Myocardial Infarction and Acute Coronary Syndrome.*
- March 2021 LLSA Prep, Hippo Education. *2021 LLSA Article Review: Klein et al. Intramuscular Midazolam, Olanzapine, Ziprasidone, or Haloperidol for Treating Acute Agitation in the Emergency Department.*
- March 2021 LLSA Prep, Hippo Education. *2021 LLSA Article Review: Miller et al. Intimate Partner Violence.*
- March 2021 LLSA Prep, Hippo Education. *2021 LLSA Article Review: Young-Fadok. Diverticulitis.*
- March 2021 LLSA Prep, Hippo Education. *2021 LLSA Article Review: Zahed et al. Topical Tranexamic Acid Compared with Anterior Nasal Packing for Treatment of Epistaxis in Patients Taking Antiplatelet Drugs: Randomized Controlled Trial.*

**Grand Rounds**

- September 2020 SEMPA Virtual Grand Rounds, SEMPA. *Building Your Portfolio, Establishing Your Brand.*

**Invited Lecture**

- October 2017 Iowa Physician Assistant Society CME Conference, IPAS. *Syncope Review.*
- October 2019 Iowa Physician Assistant Society CME Conference, IPAS. *ED Management of Asymptomatic Hypertension.*
- October 2019 PA Student Procedures Curriculum, University of Dubuque PA Program. *Lumbar Puncture: Who, What, When, Why, How.*
- October 2019 Iowa Physician Assistant Society CME Conference, IPAS. *Updates for Low Risk Chest Pain.*
- February 2020 Just 4 Kids Urgent Care (Davenport, IA), University of Iowa Department of Emergency Medicine. *Pediatric Wound Management, Lecture and Skills Workshop.*

	<u>Nathaniel Shekem – October 2021</u>
May 2020	Critical Care Topics for PA Students, Stephens College (Missouri) PA Program. <i>1. History of IV Fluids 2. Management of Aortic Dissection and Hypertensive Pulmonary Edema.</i>
October 2020	Iowa Physician Assistant Society CME Conference, IPAS. <i>Myxedema Coma.</i>
October 2020	Iowa Physician Assistant Society CME Conference, IPAS. <i>Shared Decision Making in Clinical Medicine.</i>

**Keynote/Plenary Address**

August 2020	University of Iowa PA Program White Coat Ceremony, University of Iowa PA Program. <i>The Significance of the White Coat in Medicine.</i>
-------------	--

**Panel**

April 2019	SEMPA 360, SEMPA Postgraduate Education Summit. <i>Postgraduate Training Program: Best Practices.</i>
May 2021	SEMPA 360, SEMPA Postgraduate Education Summit. <i>Postgraduate Training Program: Marketing your Program</i>

**IV. SERVICE**

**A. Memberships in Professional Organizations**

2019 - 2020	Society of Academic Emergency Medicine
2014 – Present	Society of Emergency Medicine Physician Assistants
2021-Present	Physician Assistant Education Association

**B. Professional Service**

**Consultant**

2021 - Present	<p>Personal Consultation for Best Practices for Postgraduate APP Training Programs</p> <ol style="list-style-type: none"> <li>1. Samuel Sloan, ARNP, Lead APP, University of Utah Department of Emergency Medicine. January 2021.</li> <li>2. Merideth Wold, PA-C, Director HealthPartners APC Fellowship Program. February 2021.</li> <li>3. Anjali Sharathkumar, MBBS, MD, MS, University of Iowa Stead Family Department of Pediatrics, Clinical Director Pediatric Hematology, July 2021.</li> </ol>
----------------	--

**Director**

2017 – Present	<p>Assistant Director for the Fundamentals of Emergency Medicine Course - University of Iowa Department of Emergency Medicine, University of Iowa Hospitals and Clinics, Iowa City, IA</p> <p><i>A weeklong CME course offered twice yearly aimed at PAs, NPs, and primary care physicians who practice in emergency departments. Didactics include small group lectures and discussion, simulation cases, and hands-on workshops. Available at:</i></p> <p><a href="https://medicine.uiowa.edu/emergencymedicine/education/fundamentals-course">https://medicine.uiowa.edu/emergencymedicine/education/fundamentals-course</a></p>
----------------	---

## Nathaniel Shekem – October 2021

2019 – Present Co-Director for Foundations of Emergency Medicine (Online Curriculum), Urgent Care Curriculum, Available at: <https://foundationsem.com/>

### **Expert Panel**

2019 Society of Academic Emergency Medicine, SimWars Judge, Great Plains Conference  
2019 University of Iowa PA Program, MD/PA Working Relationships for Medical and PA Students  
2019 University of Iowa PA Program, Q&A Session for Postgraduation Residencies/Fellowships for PA Students  
2021 University of Iowa PA Program, Q&A Session for Practicing EMPAs for PA Students

### **Member**

2018 - Present Society of Emergency Medicine Physician Assistants, SEMPA 360 Conference Quiz Bowl Committee  
2018 - Present Society of Emergency Medicine Physician Assistants, Postgraduate Education Committee  
2020 - Present Society of Emergency Medicine Physician Assistants, SEMPA Virtual Grand Rounds Committee  
2020 - Present Society of Emergency Medicine Physician Assistants, EMPA Postgraduate Training Program Standards Review Committee

### **Volunteer**

2017 - Present CCOM Mobile Clinic Clinical Site Supervisor

## **C. University, College, Department Service**

### **Department**

2015 - Present Department of Physician Assistant Studies and Services, PA student applicant interviewer  
2015 – Present Department of Physician Assistant Studies and Services, Alumni Panelist for Interview Dates  
2018 - 2020 Emergency Department and Crisis Stabilization Unit Committee, Member  
2018 - 2020 Emergency Department Team Triage Committee, Member  
2018 - Present Emergency Department Compensation Committee, Member  
2018 - Present Emergency Department Multi-Disciplinary Committee, Member  
2018 - Present Quality Improvement and Case Review Committee, Co-Chair  
2019 - Present Emergency Department Education Leadership Committee, Member  
2020 - Present Geriatric Workforce Enhancement Program (GWEP) Committee, Member  
2020 - Present Radiology Incidental Findings Reporting Committee, Member  
2020 - Present In Situ Multi-Disciplinary Emergency Department Simulation Committee, Co-Director  
2020 - Present Department of Emergency Medicine Clinical Competency Committee, Member