

Drowning & Resuscitation Expert Witness #9001

Publications and presentations available upon request. Contact Dora, dmancias@expertwitnessdoctors.com.

Education

Emergency Medicine Residency (Chief Resident)

University of Florida College of Medicine

Jun 2014

Jacksonville, FL

Doctor of Osteopathic Medicine

Nova Southeastern University College of Osteopathic Medicine

May 2011

Ft Lauderdale, FL

Master of Public Health

Nova Southeastern University College of Osteopathic Medicine

May 2011

Ft Lauderdale, FL

Bachelor of Science in Biomedical Engineering

North Carolina State University

May 2006

Raleigh, NC

Professional Experience

Assistant Professor

Department of Emergency Medicine

University of Florida College of Medicine-Jacksonville

Jul 2014 - Present

Deputy Medical Director, Outreach, Education, and Training

Trauma One Flight Program

UF Health Jacksonville

Mar 2016-Present

Medical Director

Jacksonville Beach Ocean Rescue

Jun 2016 - Present

Co-founder, Director

Lifeguards Without Borders (non-profit)

Jul 2007 - Present

Aquatics Sub-council Member

American Red Cross Scientific Advisory Council

Sep 2018 - Present

Honorary Member

International Drowning Research Alliance

Oct 2015 - Present

Medical Officer (Board of Directors)

Volunteer Lifesaving Corps (Jacksonville Beach, FL)

Oct 2015 - Present

Lead Instructor

Surfing Medicine International

Oct 2013 - Present

Board of Directors Member

Surfers Medical Association

Jan 2016 - Present

International Presentations

Drowning Resuscitation

Advanced Surf Medicine Life Support Course (Peniche, Portugal)	May 2018
Advanced Surf Medicine Life Support Course (Ericeira, Portugal)	May 2016
Advanced Surf Medicine Life Support Course (Ericeira, Portugal)	May 2015
Advanced Surf Medicine Life Support Course (Ericeira, Portugal)	May 2014
Conference in Surfing Medicine (Sagres, Portugal)	Oct 2013

Hypothermia

Advanced Surf Medicine Life Support Course (Peniche, Portugal)	May 2018
Advanced Surf Medicine Life Support Course (Ericeira, Portugal)	May 2014

Basic Life Support

Advanced Surf Medicine Life Support Course (Peniche, Portugal)	May 2018
Advanced Surf Medicine Life Support Course (Ericeira, Portugal)	May 2016
Advanced Surf Medicine Life Support Course (Ericeira, Portugal)	May 2015
Advanced Surf Medicine Life Support Course (Ericeira, Portugal)	May 2014

Mass Casualty Incidents

Advanced Surf Medicine Life Support Course (Ericeira, Portugal)	May 2016
Advanced Surf Medicine Life Support Course (Ericeira, Portugal)	May 2015

The Use of Non-Utstein Style Drowning Terms Since 2010

World Conference on Drowning Prevention (Penang, Malaysia)	Nov 2015
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Microfinancing Front-Line Drowning Prevention Campaigns

World Conference on Drowning Prevention (Penang, Malaysia)	Nov 2015
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Open water rescue skills for surfers [practical skills presentation]

Conference in Surfing Medicine (Anglet, France)	Sep 2015
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American Red Cross Volunteer Lifesaving Corps: 100 years [poster]

World Conference on Drowning Prevention (Potsdam, Germany)	Oct 2013
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National Presentations

Drowning Resuscitation

United States Lifesaving Association Fall Meeting (Delray, FL)	Nov 2018
Clinical Decision Making in Emergency Medicine (Ponte Vedra, FL)	Jun 2016
Emergency Medicine Update-Northwest Seminars (Key West, FL)	Feb 2016

Surf Medicine

United States Lifesaving Association Fall Meeting (Delray, FL)	Nov 2018
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STEMI: Saw the ECG, missed the infarction

Clinical Decision Making in Emergency Medicine (Ponte Vedra, FL)	Jun 2018
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Ultrasound Guided Procedures (Lecture + Skills)

Society of Emergency Physician Assistants Ultrasound Course	Feb 2018
Society of Emergency Physician Assistants Ultrasound Course	Jan 2017

Transplant Emergencies

Clinical Decision Making in Emergency Medicine (Ponte Vedra, FL)	Jun 2017
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Arthrocentesis and Intraosseous line placement (workshop)

Society of Emergency Physician Assistants Ultrasound Course	May 2018
Society of Emergency Physician Assistants Ultrasound Course	Apr 2017

Approach to the Difficult Airway (workshop)

Society of Emergency Physician Assistants Ultrasound Course	May 2018
Society of Emergency Physician Assistants Ultrasound Course	Apr 2017

Pediatric Drowning, Neck trauma, Ocular and DVT Ultrasound

ACEP SIM Training Course (Jacksonville, FL)	Apr 2016
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STEMI Mimics

Emergency Medicine Update-Northwest Seminars (Key West, FL)	Feb 2016
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Marine Envenomation

	Emergency Medicine Update-Northwest Seminars (Key West, FL)	Feb 2016
Hypothermia		
	Emergency Medicine Update-Northwest Seminars (Key West, FL)	Feb 2016
Understanding Drowning		
	EMS World Expo (Las Vegas, NV)	Sep 2013
Regional Presentations		
Optimizing Media in MedEd Presentations		
	UF College of Medicine Jacksonville Faculty Development Series	Sep 2018
Evidence-Based Cardiac Life Support		
	ClinCon (Orlando, FL)	Jul 2018
Pre-hospital Sedation		
	ClinCon (Orlando, FL)	Jul 2018
Optimizing Social Media in Medical Education		
	UF College of Medicine Jacksonville Faculty Development Series	Feb 2018
The Approach to the Pre-hospital Difficult Airway		
	UF Health Emergency and Trauma Care Symposium (Jacksonville, FL)	Feb 2018
	UF Health/Trauma One Frykberg Memorial Symposium (Jacksonville, FL)	Nov 2014
Pediatric Trauma		
	Nassau County Fire and Rescue Department (Fernandina Beach, FL)	Feb 2018
The Crashing Asthmatic		
	St Vincent's Clay County EMS Lunch and Learn (Jacksonville, FL)	Aug 2017
	ClinCon 2017 (Orlando, FL)	Jul 2017
	Jacksonville Fire and Rescue Department Recruit EMS Training	Jan 2017
	UF Health/TraumaOne EMS Complex Case Conference (Jacksonville, FL)	Sep 2016
Pediatric Burns		
	UF Health Kids Care Trauma Symposium (Jacksonville, FL)	Jul 2017
Drowning Resuscitation		
	USLA Officer Training Course (West Palm, FL)	Dec 2018
	St Vincent's Clay County EMS Lunch and Learn (Jacksonville, FL)	Apr 2018
	Berkeley County Emergency Ambulance Authority (Martinsburg, WV)	Apr 2018
	USLA Officer Training Course (West Palm, FL)	Dec 2017
	Ponte Vedra Ocean Rescue (Ponte Vedra, FL)	Apr 2017
	UF Health Emergency and Trauma Care Symposium (Jacksonville, FL)	Jan 2016
	State of the Art Critical Care for EMS Conference (Jacksonville, FL)	May 2015
	USLA South Atlantic Regional meeting (Jacksonville, FL)	Jan 2015
	USLA Officer Training Course (West Palm, FL)	Dec 2014
	Clay County EMS (Jacksonville, FL)	Nov 2014
	American Red Cross Volunteer Lifesaving Corps (Jacksonville, FL)	Apr 2014
	St Johns County Marine Rescue (St. Augustine, FL)	Apr 2014
	UF Jacksonville Emergency Medicine Grand Rounds (Jacksonville, FL)	Mar 2014
	Pompano Beach Ocean Rescue (Pompano Beach, FL)	Feb 2014
	Florida Beach Patrol Chief Association (Lake Worth, FL)	Feb 2014
	Atlantic Beach Ocean Rescue (Atlantic Beach, FL)	Jun 2013 ²
	Kill Devil Hills Ocean Rescue (Kill Devil Hills, NC)	Jun 2013 ²
	Corolla Beach Ocean Rescue (Corolla, NC)	Jun 2013 ²
	Naval Air Station Jacksonville Safety Stand Down (Jacksonville, FL)	May 2013
	American Red Cross Volunteer Lifesaving Corps (Jacksonville, FL)	Mar 2013
Pre-hospital Literature Update		
	UF Jacksonville Emergency Medicine Grand Rounds (Jacksonville, FL)	Jun 2017
	UF Health Emergency and Trauma Care Symposium (Jacksonville, FL)	Feb 2017
Trauma Emergencies		
	Jacksonville Fire and Rescue Department Recruit EMS Training	May 2018
	Jacksonville Fire and Rescue Department Recruit EMS Training	Oct 2017

Jacksonville Fire and Rescue Department Recruit EMS Training	Jul 2017
Jacksonville Fire and Rescue Department Recruit EMS Training	Jan 2017
Neurologic Emergencies	
Jacksonville Fire and Rescue Department Recruit EMS Training	May 2018
Jacksonville Fire and Rescue Department Recruit EMS Training	Oct 2017
Jacksonville Fire and Rescue Department Recruit EMS Training	Jul 2017
Jacksonville Fire and Rescue Department Recruit EMS Training	Jan 2017
Jacksonville Fire and Rescue Department Recruit EMS Training	Nov 2016
Basic ECG Interpretation	
Jacksonville Fire and Rescue Department Recruit EMS Training	May 2018
Jacksonville Fire and Rescue Department Recruit EMS Training	Jul 2017
Pediatric Drowning Resuscitation	
UF Health Kids Care Trauma Symposium (Jacksonville, FL)	Dec 2016
UF Health Kids Care Trauma Symposium (Jacksonville, FL)	May 2016
FCEP Symposium By The Sea (Amelia Island, FL)	Aug 2015
Obstetric Emergencies	
Jacksonville Fire and Rescue Department Recruit EMS Training	May 2018
Jacksonville Fire and Rescue Department Recruit EMS Training	Oct 2017
Jacksonville Fire and Rescue Department Recruit EMS Training	Jul 2017
Jacksonville Fire and Rescue Department Recruit EMS Training	Nov 2016
Advanced Airway Management	
Jacksonville Fire and Rescue Department Recruit EMS Training	Jul 2017
Jacksonville Fire and Rescue Department Recruit EMS Training	Jan 2017
Jacksonville Fire and Rescue Department Recruit EMS Training	Nov 2016
NAMET EMS Safety Course (Instructor)	
UF Health TraumaOne (Jacksonville, FL)	Oct 2016
A novel mobile-ready website for pre-hospital education and feedback [poster]	
UF Jacksonville Advances in Medical Education (Jacksonville, FL)	Jun 2016
Marine Envenomation	
UF Jacksonville Emergency Medicine Grand Rounds (Jacksonville, FL)	Jun 2016
Not For Human Consumption: Emerging "Legal Highs"	
State of the Art Critical Care for EMS Conference (Jacksonville, FL)	Dec 2015
UF Health Emergency and Trauma Care Symposium (Jacksonville, FL)	Jan 2015
Hypothermia	
UF Health Emergency Department Nursing	Nov 2015
Ultrasound guided peripheral IV placement	
St Vincent's Jacksonville Emergency Department (Jacksonville, FL)	May 2015
Advanced Airway Techniques for the MICU	
MICU/ED Educational sessions (Jacksonville, FL)	Feb 2015
Drowning, Hypothermia, and Diving Emergencies	
UF Jacksonville Emergency Medicine Grand Rounds (Jacksonville, FL)	Jan 2015
The Approach to the Pre-hospital Difficult Airway	
UF Health/Trauma One Frykberg Memorial Symposium (Jacksonville, FL)	Nov 2014
STEMI, Cardiac Arrest, and Tourniquets for EMS providers	
Nassau County Fire Rescue Training (Jacksonville, FL)	Aug 2014
Drowning, Hypothermia, Heat Emergencies, Dive Medicine	
UF Health - Jacksonville Critical Care Transport Course (Jacksonville, FL)	May 2014
Empyema, Spinal Epidural Abscess, Endocarditis	
Emergency Medicine Morbidity and Mortality Conference (Jacksonville, FL)	Apr 2014
Dural Sinus Thrombosis, Pneumoperitoneum	
Emergency Medicine Morbidity and Mortality Conference (Jacksonville, FL)	Mar 2014
Thyroid Storm, AMA, Thrombolysis in Cardiac Arrest	
Emergency Medicine Morbidity and Mortality Conference (Jacksonville, FL)	Feb 2014
Influenza Pneumonia, Guillain-Barré-Miller Fisher Variant	
Emergency Medicine Morbidity and Mortality Conference (Jacksonville, FL)	Feb 2014

Drowning: An Update on a Global Disease	
St John's County Fire Rescue (St. Augustine, FL)	Jun 2012
American College of Osteopathic Emergency Physicians (Orlando, FL)	Ma 2009
Wilderness Water Rescue and Resuscitation Scenario	
Wilderness Medicine Society Student Elective (Townsend, TN)	Feb 2011
Appalachian Center for Wilderness Medicine Conference (Augusta, GA)	Mar 2010

Online Presentations

Diving Emergencies	
Emergency Medicine Learning Resource Center	Aug 2018
Addressing Drowning Terminology Misnomers	
Drowning Prevention Coalition of Arizona	May 2018
Drowning Resuscitation	
Emergency Medicine Learning Resource Center	Oct 2017
Drowning: A Dive Below the Surface	
EDClear (www.ebmedicine.net)	Jul 2017
Drowning Resuscitation	
EM:Rap Podcast (www.emrap.org)	Jul 2015
Surf Survival: Water Rescue	
Surflife (www.surflife.com)	Oct 2014
Drowning and Hypothermia	
United States Coast Guard, Base Kodiak (www.youtube.com)	Aug 2014

Other Activities

Trauma Liaison, UF Health Jacksonville Department of Emergency Medicine	Current
Committee Chair	
UF Health Jacksonville STEMI Quality Committee	Current
UF Health Jacksonville Critical Care Outreach Committee	Current
Web Master	Current
www.lifeguardswithoutborder.org	
www.drowninglit.com	
www.jaxems.com	
Reviewer, PLOS ONE	Dec 2018
Consultant, "Supervising swimmers to save lives" by Sarah Miller (UF OpenLines)	Jul 2018
Reviewer, Journal of Forensic and Legal Medicine	Mar 2018
Reviewer, PLUS ONE	Jan 2018
Consultant, "Water Safety: Drowning prevention strategies that could save a life"	Jul 2017
by Seka Palikuca (www.doctorsthatdo.org)	
"Water Safety and CPR", WJXT News [TV Interview] (Jacksonville, FL)	Jul 2017
Consultant, "Death By Floatie: Why You Can't Take Your Eyes Off Kids And Ocean	
Toys" by Diana Hembree (www.forbes.com)	Jul 2017
Consultant, "What Every Parent Needs to Know About 'Dry Drowning'"	
by Emily Page Hatch (www.babble.com)	Jul 2017
Consultant, "Why Using the Term 'Dry Drowning' Could Do More Harm Than Good"	
by Jesslyn Shields (www.howstuffworks.com)	Jun 2017
Reviewer, Emergency Medicine Practice	Jul 2017
Lead Physician, 2017 Gate River Run (Jacksonville, FL)	Mar 2017
"Lightning injuries", First Coast News [TV Interview] (Jacksonville, FL)	Feb 2017
Reviewer, Wilderness & Environmental Medicine	Jan 2017
Hands-Only CPR Training Leader (Jacksonville, FL)	Jan 2017
NAEMT EMS Safety Course (Orlando, FL)	Jul 2016
"Water Safety", WJXT News [TV Interview] (Jacksonville, FL)	Jul 2016
Course Director	

UF-Mayo "State of the Art Critical Care for EMS " Conference	Feb 2017
UF-Mayo "State of the Art Critical Care for EMS " Conference	Jun 2016
Principal Investigator	
Siemens D-Dimer DVT/PE Exclusionary Sample Collection Project	Mar 2016
Lead Physician, 2016 Gate River Run (Jacksonville, FL)	Mar 2016
Consultant, Drowning Rescues: The Danger Isn't Over When You're Saved by Mary Purcell (www.safebee.com)	Jun 2015
Race physician, 2015 Gate River Run (Jacksonville, FL)	Mar 2015
"CPR", Alert Diver Magazine [Interview] (www.alertdiver.com)	Mar 2015
"Firework Safety", WJXT News [TV interview] (Jacksonville, FL)	Jul 2014
Race physician, 2013 Gate River Run (Jacksonville, FL)	Mar 2013

Awards

Special Information Publisher's Association: Best Instructional Reporting	Jun 2016
Drowning in the adult population: Emergency department resuscitation and treatment. <i>Emergency Medicine Practice</i> .	
Distinguished Young Faculty Member (UF-Jacksonville Emergency Medicine)	Jun 2015
Pediatric ICU 2 nd Year Resident of the Year (UF-Jacksonville Emergency Medicine)	Jun 2013
First Year Resident of the Year (UF-Jacksonville Emergency Medicine)	Jun 2012
Patient Satisfaction Award (UF-Jacksonville Emergency Medicine)	Aug 2011