

# LARS H. REINHART, MD

## CURRICULUM VITAE

### EDUCATION

MD	University of Texas at Southwestern Doctor of Medicine Dallas, Texas	1996
BS	University of Texas at Austin Bachelor of Science – Mechanical Engineering Austin, Texas	1992

### POST GRADUATE MEDICAL TRAINING

Resident, Emergency Medicine University of Virginia Medical Center Charlottesville, Virginia	1999
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### PROFESSIONAL EXPERIENCE

Biodynamic Research Corporation Consultant San Antonio, Texas	2013-Present
Christus Santa Rosa - Alon Emergency Center Emergency Department Staff Physician San Antonio, Texas	2014-2017
MEP - Medstar St. Mary's Hospital Emergency Department Staff Physician	2009-2013
Vice Chief of Emergency Medicine Leonardtown, Maryland	2011-2012
McLeod Health Urgent Care Staff Physician Florence, South Carolina	2009

EmCare: McLeod Health Emergency Department Staff Physician Dillon, South Carolina	2008-2009
McLeod Regional Medical Center Emergency Department Staff Physician Trauma Committee - ED Representative Supervision/Teaching of Interns/Residents During Rotation Florence, South Carolina	1999-2008
Insurance Institute for Highway Safety (IIHS) Physician Liaison - Injury Analysis Ruckersville, Virginia	1997-1999

### **CONTINUING EDUCATION**

Human Factors in Traffic Crash Reconstruction Institute of Police Technology and Management University of North Florida Allentown, Pennsylvania	October 2024
Certificate of Attendance - SAE International Applied Vehicle Dynamics Course Greer, South Carolina	October 2021
Association of Advancement of Automotive Medicine (AAAM) Virtual Live 64 <sup>th</sup> Annual Scientific Conference	2020
Event Data Recorder Use in Traffic Crash Reconstruction Level 1 - Online Course Institute of Police Technology and Management University of North Florida Jacksonville, Florida	2020
Investigation of Pedestrian Collisions (VoD) – Online Course Institute of Police Technology and Management University of North Florida Jacksonville, Florida	2019
63 <sup>rd</sup> Stapp Car Crash Conference San Antonio, Texas	2019
National Emergency Medicine Board Review Course Las Vegas, Nevada	2019

Symposia Medicus 18 <sup>th</sup> Annual Fall Conference on Emergency Medicine Aruba, Dutch Caribbean	2017
60 <sup>th</sup> Stapp Car Crash Conference Washington, DC	2016
UC Davis Emergency Medicine Update - Hot Topics Maui, Hawaii	2016
UC Davis Emergency Medicine Update - Hot Topics Big Island, Hawaii	2015
Traffic Accident Reconstruction I & II Northwestern University Traffic Institute Evanston, Illinois	2013
ACEP ED Director's Academy - Part 1 Dallas, Texas	2012
MEP Leadership Academy Corporate Executive Training Program Germantown, Maryland	2012-2013
Primary Training in Hyperbaric Medicine Columbia, South Carolina	2009
Advanced Emergency Ultrasound Course Columbia, South Carolina	2008
ACEP Reimbursement Trends/Advanced Procedure Coding Conference Las Vegas, Nevada	2007
ED Ultrasound Seminar, Stanford Symposium Poipu Beach, Kauai	2004
Emergency Ultrasound Course South Carolina College of Emergency Physicians Hilton Head, South Carolina	2002

## **PROFESSIONAL REGISTRATION**

American Board of Emergency Medicine - Board Certified	2000-Present
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Medical Licensure:	Texas	2013-Present
	South Carolina	1999-Present
	Virginia	1998-Present
	Maryland	2009-2013
Accredited Traffic Accident Reconstructionist The Accreditation Commission for Traffic Accident Reconstruction (#2780)		2015-Present
Florida Department of Health Expert Witness Certification		2021-Present

### **PROFESSIONAL AFFILIATIONS**

Biomedical Engineering Society	2016-Present
Society of Automotive Engineers	2013-Present
Association for the Advancement of Automotive Medicine	2013-Present
American College of Emergency Physicians	2009-Present

### **APPOINTMENTS**

Clinical Adjunct Professor, USAF School of Aerospace Medicine	2019-Present
Association for the Advancement of Automotive Medicine (AAAM) - AIS Content Subcommittee Member	2019-Present
ASTM International - F24 G-Force Committee Physician Representative	2013-Present
South Carolina Trauma Advisory Council SCCEP Level II Trauma Center EM Representative	2006-2008

### **PRESENTATIONS**

- “Using Biomechanics to Determine Cause of Injury”; The GAVEL Claims Convention; Park City, Utah; May 15-17, 2024.
- “Quick Hit #1: Using Public Crash Databases”; 2023 DRI Strictly Automotive Seminar; Washington, DC; August 16-18, 2023.
- “Pursuing and Defending Low Speed Injury Claims in Motor Carrier Litigation”; American Bar Association – Transportation Megaconference

XVI Trucking and Motor Carrier Litigation; New Orleans, Louisiana; March 1-3, 2023.

“ENTRAPPED: From the Front or From the Back?”; The GAVEL National Conference VII; Key Largo, Florida; January 15-18, 2023.

“Injury Causation Analysis of a High-Speed Rear-End Collision”; Research Seminar; University of Texas at San Antonio Mechanical Engineering; San Antonio, Texas; November 11, 2022.

“Using 3D Scanning in Support of Your Accident Reconstruction: Entrapped – From The Front or From The Back”; Florida Liability Claims Conference; Orlando, Florida; June 15-17, 2022.

Biomechanics and Injury Causation Analysis; The GAVEL Conference; Key Largo, Florida; May 19 – 21, 2021.

Accident Reconstruction & Biomechanical Analyses; Arkansas Trucking Seminar Virtual 2020: Moving Forward Together; Wales Comstock; September 2020.

“Accident Reconstruction and Case Reviews of Biomechanical Analyses”; UFG Spring Conference; Cedar Rapids, Iowa; May 2019.

“Accident Reconstruction and Case Reviews of Biomechanical Analyses”; Florida Liability Claims Conference; Lake Buena Vista, Florida; June 2018.

“Biomechanical Experts – What Do They Bring to the Table?”; Oklahoma Association of Defense Counsel; San Antonio, Texas; June 2018.

“Next Steps in the Use of Advanced Digital Scanning Technology for Biomechanical Injury Analysis”; 2018 Emerging Issues in Motor Vehicle Product Liability Litigation; ABA Product Liability Conference; Phoenix, Arizona, April 2018.

“Big Trucks Can Have Small Crashes”, Primerus Trucking Conference; San Antonio, Texas; 2017.

“Sustained Accelerations in Aircraft and Roller Coasters”; Residents in Aerospace Medicine Symposium; San Antonio, Texas; 2016.

“Enhancing Injury Analysis Presentation Utilizing New Technologies”; DRI Product Liability Conference; Las Vegas, Nevada; February 2015.

“Integrating Advanced Technologies in Injury Causation”; Lecture, American Academy of Disability Evaluating Physicians (AADEP) Multi-Disciplinary Whiplash Course, San Antonio, Texas; November 2014.

“Basics of Biomechanics”; 2014 PartnerSource Employer’s Conference; Dallas, Texas; October 2014.

“Basics of Biomechanics”; 2014 CLM Greater Denver Chapter Educational and Networking Event; Denver, Colorado; October 2014.

“Integrating Advanced Technologies into Injury Analysis”; ABA Automotive Products Liability Litigation Conference; Phoenix, Arizona; 2014.

“Sustained Accelerations in Aircraft and Roller Coasters”; Residents in Aerospace Medicine Symposium; San Antonio, Texas; 2014.

“Basics of Biomechanics”; AllState Presentation; Fort Lauderdale, Florida; March 2013.

Pharmacology of Antihypertensives, Antianginals, Anticoagulants, and Antiarrhythmics; University of Maryland – Emergency Health Services, Critical Care EMT/Paramedic; Charlottesville, Virginia; 1998.

A GI Bleeding Surprise; Society of Academic Emergency Medicine Conference; Emergency Medicine Clinical Pathological Case Conference; Chicago, Illinois, 1998.

Face Off; Pegasus Aeromedical Case Presentation; Critical Response 1998 – 6<sup>th</sup> Annual Spring EMS Conference; Charlottesville, Virginia, 1998.

## **PUBLICATIONS**

Greenston MJ; Wood RL, and Reinhart L. Clinical significance of the seat belt sign as evidence of a compromised occupant-seat belt relationship. *J Emerg Med.* 2019; 56(6):624-632.

Cormier J; Gwin L; Reinhart L; Wood R; and Bain C. A comprehensive review of low-speed rear impact volunteer studies and a comparison to real-world outcomes. *Spine.* 2018; 43(18):1250-1258.

Scott WR; Wood RL; Reinhart LH; Guzman HM; and Barraza AB. “The Effect of the Head-to-Head Restraint Distance on Occupant Kinematics

during Low-Speed Rear-End Collisions.” SAE Paper #2018-01-0537, January 2018.

Guzman H; Barraza A; Bonugli E; Reinhart L; and Gwin L. Comparison of lumbar spine acceleration profiles of every day activities and examination of their frequency content. *41<sup>st</sup> Annual Meeting of the American Society of Biomechanics*. 2017.

Bonugli E; Cormier J; Reilly M; and Reinhart L. Replicating real-world friction of motorcycle helmet impacts and its effects on head injury metrics. *SAE Technical Paper*. SAE #2017-01-1433. 2017.