

LISA P. GWIN, DO, BSEE

CURRICULUM VITAE

EDUCATION

DO	Arizona College of Osteopathic Medicine Glendale, Arizona	2003
BS	Nursing, Wayne State University Detroit, Michigan	1995
BS	Electrical Engineering, Illinois Institute of Technology Chicago, Illinois	1987

POST GRADUATE MEDICAL TRAINING

Resident, Emergency Medicine University of Kentucky Lexington, Kentucky	2006
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PROFESSIONAL EXPERIENCE

Consultant Biodynamic Research Corporation San Antonio, Texas	2012-Present
Assistant Clinical Professor University of the Incarnate Word School of Osteopathic Medicine San Antonio, Texas	May 2016-Present
Emergency Physician Powell Valley Hospital Powell, Wyoming	2006-2012

***Locum tenens* Emergency Physician Positions**

De Tar Hospital Navarro Victoria, Texas	2015-2016
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Peterson Regional Medical Center Kerrville, Texas	2012-2016
North Big Horn Hospital Lovell, Wyoming	2011-2012
Campbell County Memorial Hospital Gillette, Wyoming	2011-2012
Carbon County Memorial Hospital Rawlins, Wyoming	2011-2012
Phoenix Indian Medical Center Phoenix, Arizona	2011-2012
Crow/Northern Cheyenne Indian Health Service Crow Agency, Montana	2006-2008
Marshall Emergency Services Associates Lexington, Kentucky	2005-2006
Rockcastle County Hospital Mt. Vernon, Kentucky	2004-2006
Emergency Nurse Positions	
Arrowhead Community Hospital Glendale, Arizona	1999-2003
Whiteriver Indian Health Services Hospital Whiteriver, Arizona	1998-1999
Navapache Regional Medical Center Show Low, Arizona	1996-1998
Emergency Technician Detroit Receiving Hospital Detroit, Michigan	1994-1995
Volunteer Firefighter/EMT Rockwood, Michigan Brownstown, Michigan	1989-1992

EMT 1989-1991
Emergency Medical Transport Service
Monroe, Michigan

Automotive Test and Development Engineer 1987-1993
Ford Motor Company
Dearborn, Michigan

PROFESSIONAL REGISTRATION

Certified Fire/Arson Investigator 2016-2018
Accreditation Commission for Traffic Accident
Reconstruction (ACTAR #2623) 2014-Present
Medical Licensure Texas 2012-Present
Montana 2011-Present
Wyoming 2006-Present
American Board of Emergency Medicine – Board Certified 2008-Present
Advanced Burn Life Support 2007-Present
Advanced Trauma Life Support 2003-Present
Advanced Cardiac Life Support 1996-Present
Pediatric Advanced Life Support 1996-Present
Basic Life Support 1988-Present

PROFESSIONAL AFFILIATIONS

Biomedical Engineering Society 2016-Present
Society of Automotive Engineers 2013-Present
Association for the Advancement of Automotive Medicine 2012-Present
AIS Content Subcommittee 2018-Present
American College of Emergency Physicians, Fellow 2009-Present
American Academy of Emergency Medicine, Fellow 2009-Present

VOLUNTEER POSITIONS

Physician 2017-Present
Crossroads Healthcare Clinic
Cheyenne, Wyoming

Physician 2014-2016
Acacia Medical Mission
Spring Branch, Texas

Preceptor Texas Tech University	2014-2016
Oral Board Review Course Instructor American Academy of Emergency Medicine Various Locations	2009-Present
Board of Directors Yellowstone Behavioral Health Center Cody, Wyoming	2009-2012
Physician Heart Mountain Volunteer Medical Clinic Powell, Wyoming	2008-2012
Medical Director, Trauma Committee Powell Valley Hospital Powell, Wyoming	2007-2010

CONTINUING EDUCATION

AAAM Conference (19 hours) Association for the Advancement of Automotive Medicine Nashville, Tennessee	2018
61 st Annual Stapp Car Crash Conference (24 hours) Stapp Car Crash Conference Charleston, South Carolina	2017
AAAM Conference (19 hours) Association for the Advancement of Automotive Medicine Las Vegas, Nevada	2017
Traffic Accident Reconstruction 3 (40 hours) Northwestern University Traffic Institute Evanston, Illinois	2017
60 th Stapp Car Crash Conference (28 Hours) Washington, D.C.	2016
Lift Truck Operator Training (8 Hours) Deep South Equipment New Orleans, Louisiana	2016

Fire Investigation (160 Hours) Texas Fire Academy San Marcos, Texas	2015
Commercial Vehicle Crash Investigation (40 Hours) Institute of Police Technology and Management Oklahoma City, Oklahoma	2015
ACTAR Prep Course (32 Hours) Factual Diagrams Seattle, Washington	2013
Traffic Accident Reconstruction I & II (120 hours) Northwestern University Traffic Institute Evanston, Illinois	2012

PRESENTATIONS

“Injuries Due to Wrecks—or Are They?”; DRI – Product Liability Conference; Austin, Texas; February 8, 2019.

“Introduction to Impact Biomechanics”; University of Colorado Master’s in Human Anatomy Seminar; Denver, Colorado; January 24, 2019.

“Biomechanical and Radiological Analysis: Why it’s Critical”; General Motors Product Litigation outside Counsel Meeting; Detroit, Michigan; August 7, 2018.

“Client Advocacy in the Courtroom and Ethics of Experts”; CDLA Conference; Telluride, Colorado; July 25, 2018.

“The Forensics of Motor Vehicle Collisions”; Northern Big Horn Mountains Trauma Conference; Burgess Junction, Wyoming; June 10, 2018.

“The Efficacy of Side Airbags in Mitigating Injury”; ABA TIPS - Motor Vehicle Product Liability Conference; Phoenix, Arizona; April 6, 2017.

“Restraint Marks on Occupants of Vehicle Crashes”; DRI – Strictly Automotive Conference; Nashville, Tennessee; November 12, 2015.

“The Effect of Rescue Personnel on Crash Evidence”; DRI – Strictly Automotive Conference; Las Vegas, Nevada; February 4, 2015.

“The Effect of Rescue Personnel on Crash Evidence”; Disability Evaluating Physicians; San Antonio, Texas; November 14, 2014.

“Measurements of Tolerable and Non-Injuries Level of Back-to-Front Whole Body Accelerations”; Society of Automotive Engineers Conference; Detroit, Michigan; April 4, 2014.

“The Effect of Rescue Personnel on Crash Evidence”; Ford Motor Company Meeting; Dearborn, Michigan; August 27, 2013.

“The Effect of Rescue Personnel on Crash Evidence”; Chrysler Tier 1 Meeting; Auburn Hills, Michigan; June 28, 2013.

“Automotive Seat Back Strength and Safety”; Swanson, Martin & Bell Meeting; Chicago, Illinois; June 6, 2013.

“Automotive Seat Back Strength and Safety”; American Bar Association Conference; Phoenix, Arizona; April 4, 2013.

“Injury Modalities in Motor Vehicle Collisions”; Traveler’s Insurance Meeting; Dallas, Texas; October 5, 2012.

PUBLICATIONS

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

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

Germane AG; Freund MA; Gwin LP; McNish TM; Scott WR; Day CM, and Bain CE. Technology in the courtroom. Curran J and Meaders K, eds. IN: *Expert Witnesses: Motor Vehicle and Accident Reconstruction Cases, 2016-2017 Edition*. Thomson Reuters; 2016; pp. 1073-1094.

Gwin LP; Guzman H; Bonugli E; Scott W, and Freund M. Measurement of Tolerable and Non-Injurious Levels of Back-to-Front Whole Body Accelerations. *SAE Technical Paper*. SAE # 2014-01-0492. 2014.

Bonugli E; Wirth J; Funk J; Cormier J; Guzman H; Gwin L, and Freund M. Characterization of Force Deflection Properties for Vehicular Bumper-to-

Bumper Interactions. *SAE Int J Trans Safety*. SAE #2014-01-0482. 2014; 2(1):doi:10.4271/2014-01-0482.

Martin J and Gwin L. The multiply injured patient. Stone CK and Humphries RL. IN: *Current Diagnosis & Treatment: Emergency Medicine, 6th ed.* New York: McGraw Hill; 2007; pp. 167-180.

Wood IO; Krommenhoek A; Velasco L; Russ R; Nieto JM; Wallace ES; Gwin L; Bay RC; Butler K; Ingall TJ; Tiffany BR, and Lipinski CA. Emergency Department Management of Acute Stroke Patients: Presence and Absence of Stroke Teams [abstract]. *Acad Emerg Med*, 2002; 9(5):412.

A Comparative Evaluation of Onboard Refueling Vapor Recovery Fuel Fill Pipe Seal Systems. 1990 Society of Automotive Engineers International Congress & Exposition.