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Engineering & Scientific Consulting

Sridhar Natarajan, M.D., M.S.

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Professional Profile

Dr. Natarajan is Board Certified by the American Board of Pathology in Anatomic, Clinical and Forensic Pathology. He has been a Chief Medical Examiner for nearly 15 years with involvement in more than 10,000 forensic autopsies that included determining natural and non-natural causes of death and manners of death. He retired from the position of Lubbock County Director/Chief Medical Examiner in August of 2018.

Dr. Natarajan has practiced forensic pathology with an emphasis on injury causation and biomechanics in both vehicular and non-vehicular traumatic events, as well as a variety of criminal matters. He has testified in over 300 cases as an expert in criminal and civil matters in district and federal courts and for the Department of Justice. Dr. Natarajan's extensive experience includes numerous investigations involving vehicular trauma, falls from height, occupational hazards, gunshot wounds, toxicology, burns, drowning, asphyxiation, electrocution, suicide-related events, blunt force trauma, sharp force injuries, abuse cases, and in-custody incidents.

Dr. Natarajan is a Colonel in the U. S. Army (Retired). He has completed tenures as the 4th Brigade Commander and Combat Medic Training Medical Director (San Antonio, Texas), the 80th Training (TASS) Command Surgeon (Richmond, Virginia), and as the Command Surgeon for the 79th SSC (Sustainment Support Command) located in Los Alamitos, California. He was recently awarded the Surgeon General's "A" Proficiency Designator, which is the highest recognition for professional excellence in Army Medicine. He has served as the Medical Director of various departments within the military and as Clinical Adjunct Professor for the USAF School of Aerospace Medicine.

He was appointed to the Texas Forensic Science Commission in 2006 by Governor Rick Perry and served in that capacity completing a three year tenure assignment. Dr. Natarajan is a Member or Fellow of a number of prominent national and international organizations; he has nationally lectured, published and was formerly on the Scientific Editorial Panel and the Board of Directors of the Association for the Advancement of Automotive Medicine. He has served as the Medical Director for the Lubbock County Sexual Assault Nurse Examiner (S.A.N.E.) Program. He returned as the Director and Chief Medical Examiner for Lubbock County, Texas, in February of 2009. Dr. Natarajan held an appointment as Clinical Professor in the Department of Pathology, Texas Tech School of Medicine through September 2021. He was a guest lecturer for the Nurse Practitioner Program at Lubbock Christian University (LCU), where he provided lectures on Accidental and Non-Accidental Pediatric Trauma for the course Advanced Practice Nursing and Forensics: Caring for High Risk Population. Dr. Natarajan is a principal consultant in the biomechanics practice at Exponent.

Academic Credentials & Professional Honors

M.D., Medical University of South Carolina, 1992

M.S., Ceramic Science, Alfred University, 1982

B.A., Chemistry, Cornell University, 1979

M.D. Anderson Public Service Professor at the Texas Tech School of Law, Spring Semester, 2017

Forensic Pathology Fellowship, Bexar County Forensic Science Center and Office of the Medical Examiner San Antonio, Texas, 2001-2002

Medical Microbiology Subspecialty Training, Brooke Army Medical Center, San Antonio, Texas, 1997-1999

Anatomic/Clinical Pathology Residency, Brooke Army Medical Center, San Antonio, Texas, 1993-1997

Transitional Medicine Internship, Walter Reed Army Medical Center, Washington, D.C., 1992-1993

United States Navy Nuclear Submarine School, New London, Connecticut, 1983

United States Navy/Knolls Nuclear Reactor Prototype, Weston Milton, New York, 1983

United States Navy Nuclear Reactor Theory/Power School, Orlando, Florida, 1982-1983

Honors and Awards

Attorney General of New Mexico Letter of Appreciation, 2015

Letter of Appreciation - District Attorney, Donley County, Texas, 2014

United States Army Surgeon General's "A" Proficiency Designator, Excellence in Army Medicine, 2014

Lubbock Criminal District Attorney Justice Award (2010)

State Bar of Texas Certificate of Appreciation in Recognition of Distinguished Service of the Faculty of the 34th Annual Advanced Criminal Law Course, 2008

Army Forces Component Achievement Medal, 2007

Governor's Appointment of the Texas Forensic Science Commission, 2006, 2008

The State of Texas House of Representatives Appreciation Award for Support of Rural Law Enforcement, 2005

Meritorious Service Medal United States Army (oak leaf cluster), 2001, 2010, 2013

Army Achievement Award United States Army, 2000, 2013

Achievement Certificate Award for Outstanding Instruction in the Management of the Burn and Orthopedic Trauma Seminar United States Army, 1999

Achievement Certificate Award for Outstanding Contribution to the Brooke Army Medical Center Antibioqram Untied States Army, 1998

Sridhar Natarajan, M.D., M.S.

02/22 | Page 2

Licenses and Certifications

Board Certified in Forensic Pathology, American Board of Pathology, 2004

Subspecialty Trained in Medical Microbiology, American Board of Pathology, 1999

Board Certified in Anatomic Pathology, American Board of Pathology, 1997

Board Certified in Clinical Pathology, American Board of Pathology, 1997

Texas State Medical License J5422, 1993-present

Prior Experience

Lubbock County Chief Medical Examiner/Director (Retired), 2009-August 2018

Consultant, Biodynamic Research Corporation, San Antonio, Texas, 2005-2009

Texas Forensic Science Commission, 2006-2009

Medical Director, Sexual Assault Nurse Examiner Program, Lubbock County, 2005-2006

Chief Medical Examiner, Lubbock County, and Director, Division of Forensic Pathology, Texas Tech University Health Sciences Center, Lubbock, Texas, 2003-2006

Assistant Professor of Pathology, Texas Tech University Health Sciences Center, School of Medicine, Lubbock, Texas, 2002-2006

Clinical Professor in the Department of Pathology, Texas Tech University Health Sciences Center, School of Medicine, Lubbock, Texas, 2009 - 2021

Deputy Medical Examiner, Lubbock County, Lubbock, Texas, 2002-2003

Assistant Medical Examiner, Bexar County Forensic Science Center, San Antonio, Texas, 2001-2002

Lieutenant Colonel, United States Army Staff Anatomic/ Clinical Pathologist - Active Duty, Brooke Army Medical Center - Fort Sam Houston, San Antonio, Texas Medical Director, Medical Microbiology, Brooke Army Medical Center, 1997-2001

- Medical Director, Blood Bank and Transfusion, Brooke Army Medical Center, 1998-2000
- Surgical and Autopsy Staff Pathologist, Brooke Army Medical Center, 1997-2001
- Chief/Medical Director, Flow Cytometry, Brooke Army Medical Center, 1997-1998
- Chief Resident, Department of Pathology, Brooke Army Medical Center/ Wilford Hall Medical Center, 1996-1997

Family Practice Physician, Hill Country Medical Center, Boerne, Texas, 1995-1999

Emergency Room Physician, Medina Community Hospital, Gould Emergency Room Physician Group, Hondo, Texas and Frio Hospital, Pearsall, Texas, 1995-1997

Family Practice/Emergency Room Physician, Alamo City Medical Group/Nix Hospital, San Antonio, Texas, 1993-2002

Emergency Room Physician, Alice Physicians & Surgeons Hospital, Alice, Texas, 1993-1996

Professional Affiliations

Member, Society of Automotive Engineers, 2007-present

Associate Member, American Academy of Forensic Sciences, 2008-present

Clinical Adjunct Professor, USAF School of Aerospace, Medicine, 2008-2011

Fellow, National Association of Medical Examiners, (NAME), 2002-present

Fellow and Diplomat of the American College of Pathologists (FCAP), 1997-present

Diplomat of the National Board of Medical Examiners, 1993-present

Fellow American Society of Clinical Pathologist (FASCP), 2013-present

Committees

Association for Advancement of Automotive Medicine

- Member, 2007
- Board of Directors Appointment, 2014-2020
- Scientific Program Committee, 2007-2017

Covenant Medical Center Trauma Peer Review - Morbidity and Mortality Team, 2012-2018

Lubbock County Child Fatality Review Team, 2002-2006/ 2009-2018

Member, Texas Forensic Science Commission, 2006-2009

Texas Tech School of Medicine

- Burn and Trauma Morbidity and Mortality Team, 2009-2018
- Program Director for Forensic Pathology Fellowship, 2005-2006

Texas Panhandle MHMR Review Committee, 2004-2006

Program Director for Annual Medicolegal Death Investigation Forensic Science Seminar, 2003-2006
Lubbock County Medical Examiner's Office (jointly sponsored)

Panhandle Child Fatality Review Team, 2002-2006

Texas Tech Forensic Science Institute

- Planning Committee, 2002-2006

Brooke Army Medical Center

- Transfusion Practice Committee, 1999-2001
- Clinical Pathology Performance Improvement Program Committee, 1999-2001
- Performance Improvement Program Surgical Pathology, 1997-2001
- ENT Tumor Board Committee, 1997-2001
- Infection Control Committee, 1997-2001

Sridhar Natarajan, M.D., M.S.

Publications

Understanding, Evaluating and Cross-examination on the Forensic Autopsy, presented at the Texas Criminal Defense Lawyers Association 17th Annual Forensics Seminar, Austin, Texas, October 2019.

Natarajan S., Guise C. Was it the crash forces or the fire? Cutting edge techniques in forensic pathology in fire cases. 2019 Emerging Issues in Motor Vehicle Product Liability Litigation, presented at the American Bar Association (ABA) Tort, Trial and Insurance Practice (TIPS) Conference, Hotel Del Coronado, San Diego, California, April 2019.

Pediatric Abusive Head Trauma: The Forensic Autopsy, presented at the Texas Criminal Defense Lawyers Association 16th Annual Forensics Seminar, Austin, Texas, October 2018.

McCaskey MA, O'Toole NE, Ruhparwar N, Natarajan S, and Sherman S. Exhuming the Deceased and Advanced Investigative Techniques for Millennials. Strictly Speaking Newsletter: 15(2), p.5-8. September 2018.

Child Abuse Case Presentations and Cause of Death Determination, presented at the 6th Annual Child Abuse Summit, Covenant Medical Center, Lubbock, Texas, April 2018.

Forensics: Best Practice Panel, presented at the 6th Annual Child Abuse Summit, Covenant Medical Center Lubbock, Texas, April 2018.

Injuries Consistent with Child Abuse, presented at the Texas Criminal Defense Lawyers Association 15th Annual Forensics Seminar, Houston, Texas, December 2017.

Understanding the Forensic Autopsy, presented at the Texas Criminal Defense Lawyers Association 15th Annual Forensics Seminar, Houston, Texas, December 2017.

Gunshot Wounds, presented at the 23rd Annual Trauma and Critical Care Symposium, Lubbock, TX, October 2017.

Tiwari A., Natarajan S., Editors. Applied Nanoindentation in Advanced Materials. Hoboken, NJ: Wiley, 2017.

Natarajan S., Ruhparwar N.T., McCaskey M.A. Exhuming the Deceased and Advanced Investigative Techniques for Millennials. Defense Research Institute (DRI) Strictly Automotive Seminar, Detroit Marriott at the Renaissance Center, Detroit, Michigan, September 2017.

Natarajan S, Smedley J. Biomechanical and Medical Considerations for the Obese Occupant. American Bar Association (ABA) TIPS Conference, Arizona Biltmore Conference Center, Phoenix AZ, April 2017.

Natarajan S. Sudden unexpected infant death investigation and the medical examiner. Regional Child Fatality Review Team Training, Lubbock, TX, January 2017.

Guest Lecturer for Lubbock Christian University Graduate Program in Nurse Practitioner: Forensic applications of Blunt trauma and Pediatric trauma in the Clinical setting: 2012-present.

Guest Lecturer Texas Tech University Forensic Minor Program: Introduction to Forensic Science, 2010-present.

Texas Tech Law School Law School : Capital Punishment Seminar; Death Penalty, Forensic Pathology Trauma Assessment in Homicidal Violence, Sexual Assault, Cause of Death and Manner of Death, 2012-present.

Post Expiration Expectations presented at the Covenant Health System Anatomy of Trauma Conference, Lubbock, Texas, February 2016.

Elderly Abuse presented at the APS, Law Enforcement and Justice System Conference, Lubbock, Texas, May 2015.

Homicide and the Autopsy Report presented as the plenary speaker at the Texas Criminal Defense Lawyers Association (TCDLA) 12th Annual Forensics Seminar, Dallas, Texas (October 2014).

Sudden Unexpected Infancy Death Scene Investigation and Forensic Autopsy presented at SUDI South Plains Conference Texas Tech Health Science Center, Lubbock, Texas (January 2014).

Processing the Crime Scene presented as plenary speaker to Texas Criminal Defense Lawyers Association (TCDLA) 11th Annual Forensics Seminar, Dallas, Texas (October 2013).

From the Crime Scene to the ME's Office, What the Early Investigation Should Look Like presented to Texas Criminal Defense Lawyers Association (TCDLA) 11th Annual Forensics Seminar, Dallas, Texas (October 2013).

Natarajan S. South Plains Child Fatality Review Team child death scene investigation training. Presented to Health Care Workers, Social Service Workers, and First Responders, Lubbock, TX, May 2013.

Natarajan S. Homicidal violence with blunt trauma and sexual assault. Presented to Texas Criminal Defense Lawyers Association (TCDLA) 10th Annual Forensics Seminar, Dallas, TX, October 2012.

Natarajan S. Medical examiner fire death investigations (thermal, scalding and electrical deaths). Presented to West Texas Fire Arson Investigators Association, Lubbock, TX, February 2012.

Natarajan S. Blunt force trauma, sexual assault and asphyxia. Presented to Texas Criminal Defense Lawyers Association (TCDLA) 9th Annual Forensics Seminar, Dallas, TX, November 2011.

Natarajan S. Pediatric child abuse and death. Presented to Children's Hospital Association TX, CHAT) Pediatric Nursing Conference, Lubbock, TX, October 2011.

Natarajan S. The use of forensic experts and capital murder cases. Presented to the Capital Murder Clinic at Texas Tech University School of Law, Lubbock, TX, October 2011.

Natarajan S. Homicidal violence and sexual assault. Presented to Military Defense Counsel Trial Litigation at the Center for American and International Law, Plano, TX, August 2011.

Natarajan S. The autopsy report. Presented to West Texas Paralegal Association at Texas Tech University School of Law, Lubbock, TX, May 2011.

Natarajan S. The inquest and the forensic autopsy. Presented to West Texas County Judges & Commissioners Annual Education Conference & Business Meeting, Lubbock, TX, April 2011.

Natarajan S. Shotgun wound trauma (severity, gauge, ammunition and wound patterns). Presented to University Medical Center Trauma Symposium at Texas Tech University, Lubbock, TX, November 2010.

Natarajan S. Forensic evidence: The autopsy. Presented at the Texas District and County Attorneys Association, South Padre Island, TX, September 2010.

Natarajan S. Homicidal violence, sexual assault and the death scene. Presented at the USAR 733rd Military Police Battalion CID Annual Special Agent Training (ASAT), Charlotte, NC, September 2010.

Natarajan S. Sudden Unexplained Infant Death/Sudden Infant Death Syndrome. Presented at the Child Fatality Review Team Conference, Merket Center Texas Tech University, Lubbock, TX, August 2010.

Natarajan S. Asphyxia and death. Presented at the Texas Bar Advanced Criminal Law Course and Criminal Law Boot Camp, Dallas, TX, July 2009.

Ho JD, Heegaard WG, Dawes DM, Natarajan S, Reardon RF, Miner JR. Unexpected arrest-related deaths in America: 12 months of open source surveillance, May 2009.

Natarajan S. Homicidal sexual assault and potential findings. Presented at the Capital Trial Prosecution Seminar-Presenting The Capital Case From Start To Finish: Center For American and International Law, Plano, TX, April 2009.

Natarajan S. Forensic pathology. Presented at the 34th Annual Advanced Criminal Law Course. San Antonio, TX, July 2008.

Natarajan S. Child fatality cases. Presented at the Capital Trial Prosecution - Emphasis on Evidentiary Issues Conference: Center For American and International Law, Plano, TX, April 2008.

Natarajan S. Biomechanics of causes of death in motor vehicle crashes. Presented at the Association for the Advancement of Automotive Medicine 51st Annual Conference. Melbourne, Australia, October 2007.

Natarajan S. Pathology issues in automotive product liability litigation. Presented at the ABA/TIPS Conference. Phoenix, AZ, March 2007.

Natarajan S. Gunshot wounds: General surgery grand rounds. Texas Tech University School of Medicine, Lubbock, TX, January 2006.

Natarajan S. Autopsy interpretation results. Presented at the Texas Criminal Defense Lawyers Association Conference. The Westin City Center, Dallas, TX, December 2005.

Natarajan S. Sharp force injuries. Presented at the 12th Annual Forensic Science Seminar jointly sponsored by Lubbock County Medical Examiner's Office, Lubbock County Sheriff's Office, Texas Tech University Department of Pathology, Texas Tech Institute of Forensic Sciences, and Office of Continuing Medical Education. Presented at the Holiday Inn Park Plaza, Lubbock, TX, October 2005.

Natarajan S. Blunt force trauma of the head and chest; homicide investigation. Presented in association with lectures by Virginia Lynch at the Forensic Nursing Conference sponsored by LifeGift, Texas Tech University Health Sciences Center, Lubbock, TX, October 2005.

Natarajan S. Sudden Infant Death Syndrome (SIDS), undetermined cause of death and neonaticide. Presented in association with lectures by Virginia Lynch at the Forensic Nursing Conference sponsored by LifeGift, Texas Tech University Health Sciences Center, Lubbock, TX, October 2005.

Natarajan S. Introduction to gunshot wounds. Presented at Trauma and Critical Care Symposium, Texas Tech University Health Sciences Center and University Medical Center, Lubbock, TX, October 2005.

Natarajan S. Death scene investigation, excited delirium deaths, in custody deaths, and interesting cases. Presented at the Alpine Medicolegal Death Conference, Sul Ross University, Alpine, TX, July 2005.

Natarajan S. Conducting an autopsy and death scene investigation. Presented at the Lubbock Police Academy, Lubbock, TX, July 2005.

Natarajan S. When to order an autopsy. Presented at Texas Justice Court Judges Association Inquest School, Lubbock, TX, May 2005.

Natarajan S. Postmortem changes, time since death and interesting forensic cases. Presented at the Texas Tech Institute of Forensic Science/Lubbock County Medical Examiner's Medicolegal Death Investigation Seminar Texas Department of Criminal Justice, Iowa Park, TX, May 2005.

Natarajan S. Gunshot wounds of the chest. Presented at the Texas Society of Respiratory Care (TSRC) Northwest Region Spring Training Seminar, Holiday Inn and Towers, Lubbock, TX, April 2005.

Natarajan S. Sudden Infant Death Syndrome (SIDS): Undetermined death, and blunt force trauma in the pediatric population. Presented at the Children's Advocacy Center of the South Plains Seminar, Lubbock, TX, April 2005.

Natarajan S. Gunshot wounds: Covenant CSI. Presented at Covenant Health System CME Trauma Conference #1, Lubbock, TX, January 2005.

Natarajan S. Pediatric homicidal blunt force trauma: Covenant CSI. Presented at Covenant Health System CME Trauma Conference #1, Lubbock, TX, January 2005.

Natarajan S. Identifying abuse of the elderly: A medical perspective. Presented at the Forensic Investigations and Adult Protective Services Seminar; Texas Tech Institute of Forensic Sciences, Lubbock, TX, January 2005.

Cassidy RA, Natarajan S, Vaughn GM. The link between the insecticide heptachlor epoxide, estradiol, and breast cancer. Breast Cancer Research and Treatment 2005; 90:55-64.

Natarajan S. The medicolegal autopsy. Presented at the Texas Criminal Defense League Association (TCDLA) Second Annual Forensic Seminar, Plano, TX, August 2004.

Natarajan S. Homicidal and non-homicidal asphyxia. Presented at the Texas Criminal Defense League Association (TCDLA) Second Annual Forensic Seminar, Plano, TX, August 2004.

Natarajan S. Death scene investigation, pediatric deaths, in custody deaths and interesting cases. Presented at the Alpine Medicolegal Death Investigation Seminar, Sul Ross University, Alpine, TX, July 2004.

Natarajan S. Asphyxial deaths. Presented at the Texas Society of Respiratory Care (TSRC) Northwest Region Conference, April 2004.

Foose A, Paine RR, Nisbett RA, Natarajan S. Age at death determination using the skeletal histomorphometry of the third metacarpal and third metatarsal from autopsy and cadaver samples. 73rd Annual American Association of Physical Anthropologists Meeting, Tampa, FL, April 2004.

Foose A, Paine RR, Nisbett RA, Natarajan S. Age at death determination using the skeletal histomorphometry of the third metacarpal and third metatarsal from autopsy and cadaver samples. 56th Annual American Academy of Forensic Sciences Meeting, Dallas, TX, February 2004.

Natarajan S. Introduction to forensic pathology: Introduction to forensic science course. Physics 2351, Texas Tech University, November, 2003.

Natarajan S. Crime scene evaluation of post mortem changes. Lubbock Police Academy, Lubbock, TX, November, 2003.

Natarajan S. Sudden infant death syndrome, undetermined pediatric deaths and blunt force pediatric injuries. Presented at the Texas Criminal Defense League Association (TCDLA) First Annual Forensic Seminar, Plano, TX, August 2003.

Natarajan S. Autopsy pathology and post mortem changes. Presented at the Texas Criminal Defense League Association (TCDLA) First Annual Forensic Seminar, Plano, TX, August, 2003.

Natarajan S. Pediatric blunt force trauma of the head and chest. Presented at the Texas Criminal Defense League Association (TCDLA) Retreat Seminar, Mo Ranch, Kerrville, TX, August 2003.

Carlton SM, Zahn CM, Kendall BS, Natarajan S. Placenta increta/percreta associated with uterine perforation during therapy for fetal death. *Journal of Reproductive Medicine* 2001; 46:601-605.

Trummel DE, Natarajan S. Gemella bacteremia and the utility of the PYR assay. *Clinical Microbiology Newsletter* 2001 Sept; 23(17):135-137.

Cummings GH, Natarajan S, Keilig RH, Dewitt CC, Gardner TL. Mycobacterium thermoresistible and M. fortuitum recovered from a cutaneous lesion in an otherwise healthy individual. *Clin Infect Disease* September 2000; 31(3):816-817.

Prieto R, Waselenko JK, Olivere JW, Johnson TR, Natarajan S, Byrd JC. Epstein Barr Virus (EBV) Associated Primary Central Nervous System Lymphoma (PCNSL) arising in a patient after fludarabine and corticosteroid treatment. *Am. Soc. of Hematology - 40th Annual Meeting*, 1998.

Natarajan S, Keilig R, Anderson G. Anaerobic gram positive bacilli. 22nd Annual Meeting of the Society of Armed Forces Medical Laboratory Scientists (SAFMILS), San Antonio, TX, April 1998.

Keilig R, Natarajan S, Anderson G. Anthrax as a biological weapon. 22nd Annual Meeting of the Society of Armed Forces Medical Laboratory Scientists (SAFMILS), San Antonio, TX, April 1998.

Anderson G, Natarajan S, Keilig R. Case report presentation: The Association of Clostridium Septicum and Malignant Conditions. 22nd Annual Meeting of the Society of Armed Forces Medical Laboratory Scientists (SAFMILS), San Antonio, TX, April 1998.

Morey AF, MacDonald MF, Rolanski TA, Natarajan S, Thompson I. Yield and efficiency of biopsy gun tests needle biopsy. *Urology* November 1997.

Natarajan S. Case report presentation: Intraabdominal fibromatosis. San Antonio Society of Pathologists Meeting, November 1995.

Natarajan S. Case report presentation: Cystic congenital adenomatoid malformation. San Antonio Society of Pathologists Meeting, November 1994.

Nolan DG, Martin LS, Natarajan S, Hume RS. Fetal compromise associated with extreme fetal bile acidemia and maternal primary sclerosing cholangitis. *Obstetrics and Gynecology* 1994 Oct; 84(4):695-696.

Natarajan S. Master of Science Thesis: Fabrication and Evaluation of a Ceramic-Acrylic Polymer Bone Cement. Defended and accepted May 1982, Alfred University (Alfred, New York.)

Rausch JP, Monroe EA, Natarajan S. Alveolar bone preservation using a ceramic-polymer implant. *Proceedings, 33rd Annual Conference on Engineering in Medicine and Biology at Washington, DC*, October 1980.

Rausch JP, Monroe EA, Natarajan S. A biomedical composite ceramic-polymer. *Bioengineering*, Edited by Igor Paul, Pergamon Press, 1980.

Rausch JP, Monroe EA, Natarajan S. A composite ceramic polymer. Proceedings, 8th Annual Northeast Bioengineering Conference at M.I.T., Cambridge, Massachusetts, pp. 22-27, March 1980.

Additional Education & Training

Traffic Accident Reconstruction I & II, 2007

Northwestern University Traffic Institute, Evanston, Illinois

Investigation and Reconstruction of Shooting Incidents

Texas Forensic Associates, Texas City, TX, 2016

Comprehensive Anatomic and Clinical Pathology Review Course, 2016

70 hours AMA Category 1 credits, Osler Course, Tampa, FL

Blood Stain Pattern Analysis: Investigating Violent Crimes

Basic Course, Texas Forensic Associates, Baton Rouge, LA, 2016

Military, Medical, and Engineering Experience

Individual Ready Reserve (IRR) 63rd RSC, Colonel, United States Army Reserve, October 2015-present

Command Surgeon 79th Sustainment Support Command (SSC), Colonel, United States Army Reserve, January 2014-September 2015

Command Surgeon 80th Training Command (TASS), Colonel, United States Army Reserve, August 2010-December 2013

Commander, 4th Brigade (HS) 100th Division, Medical Director, 4th Brigade (2008-August 2010), Colonel, United States Army Reserve, 2009-2010

Physician, United States Army Reserve, 5th Brigade Medical Director/Medical Review Officer (MRO), 95th Division (IT), Colonel, United States Army Reserve, 2006-2008

Physician, 5501st Army Hospital United States Army Reserves, San Antonio, Texas, Rank of Lieutenant Colonel through Colonel, United States Army Reserve, 2001-2006

Active Duty Physician, Pathologist (61U) Rank of Captain through Lieutenant Colonel, United States Army, 1992-2001

Lieutenant, Nuclear Submarine Force-Unrestricted Line Officer (1980-1986) USS Henry L. Stimson SSBN 655 Blue Crew

Rank of Ensign through Lieutenant - Gold Dolphins Qualified

United States Navy Division Officer

- Electrical Engineering
- Reactor Plant Controls
- Damage Control Assistant
- Officer of the Deck

- Engineering Duty Officer
- Engineering Officer of the Watch
- Engineering Duty Office
- Diving Officer

Clinical Experience — Patient Care

Family Practice Physician, Hill Country Medical Center, Boerne, Texas, 1995-1999

Emergency Room Physician, Medina Community Hospital- Hondo, TX and Frio Hospital, Pearsall, Texas, Gould Emergency Room Physician Group, 1995-1996

Family Practice/Emergency Room Physician, Alamo City Medical Group/Nix Hospital, San Antonio, Texas, 1993-2002

Emergency Room Physician, Alice Physicians & Surgeons Hospital, Alice, Texas, 1993-1996

Clinical Experience — Anatomic Pathology and Clinical Pathology

Lieutenant Colonel, United States Army Staff, Anatomic/Clinical Pathologist - Active Duty, Brooke Army Medical Center - Fort Sam Houston, San Antonio, Texas

- Forensic Consultant, 2002-present
- Clinical Professor, School of Medicine Department of Pathology, Texas Tech University Health Science Center, 2009-present
- Chief Medical Examiner, Lubbock County, Director of the Medical Examiner's Office, Lubbock, Texas, 2009-present (Anatomic, Clinical, Pathology and Pathology practice).
- Medical Director, Medical Microbiology, Brook Army Medical Center, 1997-2001
- Medical Director, Blood Bank Transfusion, Brooke Army Medical Center, 1998-2000
- Surgical and Autopsy Staff Pathologist, Brooke Army Medical Center, 1997-2001
- Chief/Medical Director, Flow Cytometry, Brook Army Medical Center, 1997-1998