

**RAWSON L. WOOD, MD, MPH  
COLONEL, USAF (RETIRED)**

**CURRICULUM VITAE**

**EDUCATION**

MD	Uniformed Services University Bethesda, Maryland	1998
BS	Embry-Riddle Aeronautical University Aeronautical Engineering Daytona Beach, Florida	1988

**POST GRADUATE STUDIES:**

Residency	USAF School of Aerospace Medicine Brooks City-Base, Texas	2008
MPH	University of Texas Health Science Center San Antonio, Texas	2006
MS	Embry-Riddle Aeronautical University Aeronautical Science Worldwide Campus, Arizona	1992

**SELECTED CONTINUING EDUCATION COURSES**

93 <sup>rd</sup> Annual Scientific Meeting Aerospace Medical Association New Orleans, Louisiana	2023
FAA Refresher Seminar for Aviation Medical Examiners Oklahoma City, Oklahoma	2022
Association for the Advancement of Automotive Medicine (AAAM) 66 <sup>th</sup> Annual Scientific Conference Portland, Oregon	2022

AAAM 65 <sup>th</sup> Annual Scientific Conference	2021
AAAM 64 <sup>th</sup> Annual Scientific Conference	2020
AAAM 63 <sup>rd</sup> Annual Scientific Conference Madrid, Spain	2019
AAAM 62 <sup>nd</sup> Annual Scientific Conference Nashville, Tennessee	2018
61 <sup>st</sup> STAPP Car Crash Conference Charleston, South Carolina	2017
AAAM 61 <sup>st</sup> Annual Scientific Conference Las Vegas, Nevada	2017
Traffic Accident Reconstruction III Northwestern University Traffic Institute, Evanston, Illinois	2017
EDSMAC-Simulations and Analysis Training Course Engineering Dynamics Corporation	2017
60 <sup>th</sup> STAPP Car Crash Conference Washington, DC	2016
Traffic Accident Reconstruction I and II Northwestern University Traffic Institute, Evanston, Illinois	2016
Traffic Crash Investigation I and II Northwestern University Traffic Institute, Online	2016
Air War College, Senior Leadership Course, Air University Maxwell AFB, Alabama	2007
FAA Civil Aerospace Medical Institute, Basic Aviation Medical Examiner Course Oklahoma City, Oklahoma	2006 and 2020
Aircraft Mishap Investigation Course Brooks AFB, Texas	2000
Current Certification in ACLS	1998-2022
Certification in ATLS	1998-2015

## **PROFESSIONAL EXPERIENCE**

FAA Designated Medical Examiner Woodhouse Health, PLLC	2020-Present
Consultant Biodynamic Research Corporation San Antonio, Texas	2016-Present
Commander 60 <sup>th</sup> Medical Group Travis AFB, California	2014-2016
Commander and 7 <sup>th</sup> Air Force Surgeon 51 <sup>st</sup> Medical Group Osan AB, Republic of Korea	2012-2014
Special Operations Pilot-Physician Hurlburt Field, Florida	2010-2012
Commander 87 <sup>th</sup> Aerospace Medicine Squadron Joint Base McGuire-Dix-Lakehurst, New Jersey	2008-2010
Resident in Aerospace & Occupational Medicine USAF School of Aerospace Medicine Brooks City-Base, Texas	2005-2008
C-17 Pilot-Physician Charleston AFB, South Carolina	1999-2005
T-37 Instructor Pilot Reese AFB, Texas	1992-1993
T-37 Instructor Pilot Williams AFB, Arizona	1989-1992

## **AVIATION RATINGS AND EXPERIENCE**

USAF Command Pilot 3800 Hours Total Military Pilot Time (T-37, C-17, C-130J) 570 Hours Combat Time (C-17)	1989
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FAA Commercial Pilot	1989
USAF Chief Flight Surgeon 630 Hours (AC-130, CV-22, F-16 and multiple other aircraft)	1999

**APPOINTMENTS/QUALIFICATIONS**

Guest Instructor, University of Texas Medical Branch (UTMB), Aerospace Medicine Residency Program	2020-Present
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Association for the Advancement of Automotive Medicine (AAAM)

Director	2019-2022
Policy Committee Chairman	2018-2020
Member	2017-Present

Guest Instructor, USAF School of Aerospace Medicine	2017-Present
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Clinical Professor, Dept. of Preventive Medicine & Public Health, Ajou University School of Medicine Seoul, Republic of Korea	2012-2014
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Distinguished Graduate, C-130J Pilot Training	2011
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FAA Designated Medical Examiner	2007
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C-17 Airland Aircraft Commander Certification Altus AFB, Oklahoma	2003
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Associate Fellow Aerospace Medical Association	2003
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Adjunct Faculty, "Aerospace Medicine Primary Course," "MDG Commander Orientation Course" and "Medical Student Orientation Course," USAF School of Aerospace Medicine Brooks City Base, Texas	2002-2008
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C-17 Airland Pilot Initial Certification Altus AFB, Oklahoma	2000
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Flight Surgeon USAF School of Aerospace Medicine	1999
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Classroom Instructor, “Aerodynamics,” “Instrument Flying,” 1991-1992  
And “Navigation” Courses at USAF Undergraduate Pilot Training  
Williams AFB, Arizona

Distinguished Graduate, T-37 Pilot Instructor Training 1990

US Air Force Pilot and FAA Commercial Pilot 1989  
With Instrument Airplane, Single-Engine Lane and  
Multi-Engine Land Ratings

## **PROFESSIONAL REGISTRATIONS**

Medical Licensure: Texas 2016-Present  
South Carolina 1999-Present

Board Certified in Aerospace Medicine 2008-Present

Board Certified in Occupational Medicine 2010-Present

The Accreditation Commission for Traffic Accident 2017-Present  
Reconstruction (ACTAR #3231)

## **PROFESSIONAL AFFILIATIONS**

Association for the Advancement of Automotive Medicine  
Society of Automotive Engineers  
International Society of Air Safety Investigators  
Biomedical Engineering Society  
Aerospace Medical Association  
Society of USAF Flight Surgeons  
Life Member of Aerospace Medical Association  
Life Member Society of USAF Flight Surgeons  
Member International Association of Military Flight Surgeon Pilots

## **HONORS AND AWARDS**

AAAM 2022 A.J. Mirkin Service Award  
Legion of Merit Medal with One Oak Leaf Cluster

Air Medal with Three Oak Leaf Clusters  
Air Force Commendation Medal with One Oak Leaf Cluster  
Combat Readiness Medal with one Oak Leaf Cluster

Global War on Terrorism Expeditionary Medal  
Global War on Terrorism Service Medal  
AF Expeditionary Service Ribbon with Gold Border  
AMC Flight Surgeon of the Year 2000  
Joint Service Commendation Medal  
Meritorious Service Medal with Three Oak Leaf Clusters  
Air Force Achievement Medal

## **PUBLICATIONS/PRESENTATIONS**

Co-authored “The Effects of Domestic Stress on Information Processing in Commercial Aviation,” The Proceedings of the Sixth International Symposium on Aviation Psychology, 1991.

Presented Fatigue in USAF GME, 72nd Annual Scientific Meeting, Aerospace Medical Association, May 2001.

Presented Humanitarian Airdrop Operations; Future Vision and Lessons Learned, 73rd Annual Scientific Meeting, Aerospace Medical Association, May 2002.

Chaired Panel Technological Development and Aviation Safety, 73rd Annual Scientific Meeting, Aerospace Medical Association, May 2002.

Medical Monitor USAF Laser Eye Protection Evaluation, 2002.

Presented C-17 Operations, 74th Annual Scientific Meeting, Aerospace Medical Association, May 2003.

Medical Monitor USAF Fatigue Avoidance Scheduling Tool Airlift Feasibility Study, 2003.

Presented Human Systems Integration Issues in USAF Combat Operations, at American Society of Naval Engineers 3rd HSI Symposium, Alexandria, Virginia, Jun 2005.

Master of Public Health Thesis Remotely Piloted Airplanes: Potential Public Health Effects of Operator Selection Factors, University of Texas Health Science Center, San Antonio, Texas, May 2006.

Presented Human Systems Integration in Airlift Operations, 77th Annual Scientific Meeting, Aerospace Medical Association, May 2006.

Presented Keynote Address Applied Human Factors in Military Flying, Alamo Chapter Annual Meeting, Human Factors and Ergonomics Society, March 2007.

Aerospace Medicine Residency Research Project US Naval Helicopter Mishap Summary, Brooks City-Base, Texas, May 2007.

Presented US Naval Helicopter Mishaps, Findings and Recommendations, 78th Annual Scientific Meeting, Aerospace Medical Association, May 2007.

You're the Flight Surgeon-Dizziness, Aviation, Space and Environmental Medicine, Dec 2007; 78:1172-3.

Presented Rate-Based Safety Analysis, 82nd Annual Scientific Meeting, Aerospace Medical Association, May 2011.

Presented Keynote Comments Grand Opening of Hallym University Hospital, Suwon, Republic of Korea, March 2013.

Presented Pilot-Physician Perspectives on Patient Movement, Republic of Korea Aerospace Medicine Training Center, Cheongju, Republic of Korea, October 2013.

Presented The Scope of Aircraft and Spacecraft Crash Investigation – The Future is Now, 88th Annual Scientific Meeting, Aerospace Medical Association, Denver, Colorado, April 2017.

Presented and published Using Scanning and Simulation Technology to Analyze Aviation Mishaps, 2017 Annual Seminar, International Society of Air Safety Investigators, San Diego, California, August 2017.

Scott WR; Wood RL; Reinhart LH; Guzman HM; 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, April 2018.

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.

Wood RL; Greenston MJ; Bain, CE; Brooks, CN. “Do low-speed vehicle collisions cause intervertebral disc degeneration or herniation?” AMA Guides Newsletter. 2018, Nov/Dec:3-8.

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, March 2019; doi.org/10.1016/j.jemermed.2019.035.

Presented Cutting Edge Techniques for Demonstrating Occupant Kinematics, 28th Annual Spring CLE Meeting, ABA TIPS, San Diego, California, April 2019.

Presented Occupant Kinematics, American Academy of Orthopedic Surgeons Whiplash Injury virtual course, November 2020.

Injury Causation Analysis Conference Speaker and Panelist Presented to IAIME – International Academy of Independent Medical Evaluators; Virtual Course; March 2021.

Bonugli E; Greenston M; Scott W; Folley A; Wood R; and Gwin L. “Human Subject Kinematic Response to Low-Speed Sideswipes Involving a Truck Tractor.” SAE Paper #2021-01-5043, May 2021.

Banks RD; Somers JT; Chelette TL; Wood RL & Watson RA. Human response to acceleration. Davis JR; Stepanek J; Johnson R & Fogarty JA, eds: IN: *Fundamentals of Aerospace Medicine*, 5th Edition. Philadelphia: Wolters Kluwer; 2022; pp. 350-378.

Veronneau SJH & Wood RL. Aviation Accidents: Investigation and analysis. Davis JR; Stepanek J; Johnson R & Fogarty JA, eds: IN: *Fundamentals of Aerospace Medicine*, 5th Edition. Philadelphia: Wolters Kluwer; 2022; pp. 594-647.

Moderator AAAM Live Webinar Radiology 1010 and Nothingburgers: How Non-Radiologists Can Evaluate for Legitimate vs. Frivolous Claims Based on Imaging; Association for the Advancement of Automotive Medicine (AAAM); September 29, 2021.