

# RAWSON L. WOOD, MD, MPH

## 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

Traffic Accident Reconstruction III Northwestern University Traffic Institute, Evanston, Illinois	2017
EDSMAC-Simulations Training Course Engineering Dynamics Corporation	2017
Traffic Accident Reconstruction I and II Northwestern University Traffic Institute, Evanston, Illinois	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

Aircraft Mishap Investigation Course 2000  
Brooks AFB, Texas

Current certification in ACLS 1998 - Present

Certification in ATLS 1998-2015

### **PROFESSIONAL EXPERIENCE**

Consultant 2016 - Present  
Biodynamic Research Corporation  
San Antonio, Texas

Commander 2014-2016  
60<sup>th</sup> Medical Group  
Travis AFB, California

Commander and 7<sup>th</sup> Air Force Surgeon 2012-2014  
51<sup>st</sup> Medical Group  
Osan AB, Republic of Korea

Special Operations Pilot-Physician 2010-2012  
Hurlburt Field, FL

Commander 2008-2010  
87<sup>th</sup> Aerospace Medicine Squadron  
Joint Base McGuire-Dix-Lakehurst, New Jersey

Resident in Aerospace & Occupational Medicine 2005-2008  
USAF School of Aerospace Medicine  
Brooks City-Base, Texas

C-17 Pilot-Physician 1999-2005  
Charleston AFB, South Carolina

T-37 Instructor Pilot 1992-1993  
Reese AFB, Texas

T-37 Instructor Pilot 1989-1992  
Williams AFB, Arizona

## APPOINTMENTS/QUALIFICATIONS

Clinical Adjunct Professor, USAF School of Aerospace Medicine	2017 - Present
Association for the Advancement of Automotive Medicine (AAAM) Policy Committee Chairman	2017 - Present
Clinical Professor, Dept. of Preventive Medicine & Public Health, Ajou University School of Medicine Seoul, Republic of Korea	2012-2014
Distinguished Graduate, C-130J Pilot Training	2011
FAA Designated Medical Examiner	2007
C-17 Airland Aircraft Commander Altus AFB, Oklahoma	2003
Associate Fellow Aerospace Medical Association	2003
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
C-17 Airland Pilot Initial Certification Altus AFB, Oklahoma	2000
Flight Surgeon USAF School of Aerospace Medicine	1999
Classroom Instructor, "Aerodynamics," "Instrument Flying," and "Navigation" courses at USAF Undergraduate Pilot Training, Williams AFB, Arizona	1991-1992
Distinguished Graduate, T-37 Pilot Instructor Training	1990
U. S. Air Force Pilot and FAA Commercial Pilot with Instrument Airplane, Single-Engine Land and Multi-Engine Land Ratings	1989

## **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 Reconstruction (ACTAR #3231)	2017-Present

## **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**

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, 72<sup>nd</sup> Annual Scientific Meeting, Aerospace Medical Association, May 2001

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

Chaired Panel Technological Development and Aviation Safety, 73<sup>rd</sup> Annual Scientific Meeting, Aerospace Medical Association, May 2002

Medical Monitor USAF Laser Eye Protection Evaluation, 2002  
Presented C-17 Operations, 74<sup>th</sup> 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 3<sup>rd</sup> HSI Symposium, Alexandria, VA, 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, TX, May 2006

Presented Human Systems Integration in Airlift Operations, 77<sup>th</sup> 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, TX, May 2007

Presented US Naval Helicopter Mishaps, Findings and Recommendations, 78<sup>th</sup> 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, 82<sup>nd</sup> 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, 88<sup>th</sup> Annual Scientific Meeting, Aerospace Medical Association, Denver, CO, April 2017

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