



Pilot Medical Solutions, Inc.

## Curriculum Vitae Matthew M. Cooper, MD MBA FACS FAsMA FCAMA

405-787-0303

### PROFESSIONAL

#### Peak Aerospace Medicine & Cardiovascular Surgery

Principal/Chief Executive Officer

2024 --

- Strategic Consultation
- Insight, Integrity, Expertise for Meaningful Results
- Medical Device Innovation
- Cardiovascular Surgical Consultation – Adult, Pediatric, Transplantation
- Aeromedical Consultation & Special Issuance
- Aerospace Medical Certification
- Pilot Advocacy
- Biennial Flight Reviews

#### 3M Health Care 2014 - 2024

Vice President Medical Affairs, Corporate Health, & Safety  
3M Health Care

2023 -- 2024

- Expanded responsibilities including Design, Deployment, & Operationalization Occupational/Corporate Health
- Organization, Infrastructure, Planning, & Enterprise Risk for Spin
- **CEO Above and Beyond Appreciation 2023**

Chief Medical Officer, Medical Solutions Division &  
Director Global Safety, Health Care Business Group, 3M

2021 -- 2023

- Health Care Business Group Extended Leadership Team
- Division Operating Committee Extended Leadership Team
- Voting member for DOC Gate Reviews for Medical & Clinical Affairs
- Leading Edge Leadership Development Program
- Everyday Wins Awards
- **2022 Design of Medical Devices Conference Award. University of Minnesota**

Global Senior Medical Director &  
Director Patient Safety, 3M

2018 -- 2021

- **Leading transformative Philosophy, Strategy, & Operational Change at the World's #1 Wound Care & Leading Science Company**
- **Leading Evolution in Patient Safety**
- **Extra Mile Award, MSD Medical Masters 2020 x 2**
- **Bold Disruptor BRAVO Award for Innovation**

**Boldness, MSD 2019**

- **Extra Mile Award, MSD Medical Masters 2019**
- **CEO Peer Appreciation 2019**
- **DARPA Grant for Research**
- **3M Discovery Grant for Innovative Research**
- 3M Institutional Review Board, 2019 -
- HCBG Leadership Team, 2019 -
- HCBG Safety Board, 2019 -
- HCBG QMS Stewardship Council, 2019 –
- NPI Steering Committee, 2020 -
- EU MDR Steering Committee, 2020 -
- Lead/Sponsor of Disruptive Pre-Clinical Modeling, Product Design, Differentiated Portfolio & Clinical Index
- Medical Solutions Division Extended Leadership Team, 2020-
- Medical & Clinical Affairs (MCA) Operating Committee, 2018-2019
- Global Medical Affairs Leadership Team, 2020-
- **COVID-19 Response & Recovery Team, 2020 -**
- **MSD Global Medical Respiratory Team, 2020 –**
- **Mentor/Liaison, Univ. of MN New Product Design & Business Development Graduate Course, 2018-2019, 2019-2020**
- Recognition Project Stealth, 2020
- Recognition Project Kodiak, 2020
- CTE&I Team Nomination for Nasal Prep 2020
- Pinnacle of Excellence Award Nominee 2020
- **High Potential Talent Designation**

Medical Director, 3M Medical Solutions Division 2018

Medical Director, 3M Critical & Chronic Care Solutions Division 2016 -- 2018  
Health Care Business Group

St. Paul, Minnesota

- Strategy, Process, & Medical Insight
- Clinical Research
- Research & Development
- Regulatory Teams
- Development of Key Opinion Leaders
- Medical Affairs
- M&A Related, Technology Assessment
- Collaborative projects with Infection Prevention, Personal Safety, Health Information Systems Divisions, & Corporate Design
- **Play to Win Award: Q2 2017: Australian SAD Submission Team**
- **Innovate Award: Q4 2017: Tape Transformation Team**
- **Cheers to You! C3 Division Recognition Award: March 2018**
- **Clinical Evidence Diligence Lead for major acquisitions including the largest in 3M history in 2019**
- **Mentor/Liaison, Univ. of MN New Product Design & Business Development Graduate Course, 2017-2018**
- **Global Clinical Evidence Management Team 2018 –**
- **3M Technical Forum 2017 –**

Medical Information Director 2014 -- 2016

3M Health Information Systems

Silver Spring, Maryland

- **Strategy, optimization, product development, process innovation, clinical integration, clinical, quality & technology consulting**
- **Innovate & lead process & product content & delivery**

- **Strategic planning, business development, & communications**
- **Six Sigma Green Belt**
- **Advanced Green Belt, Lean, & Project Management Training**
- **Certified ScrumMaster and Certified Product Owner (Agile; Scrum, Inc. & Evolve Beyond)**
- **Ongoing 3M & Linked-In Blogs**
- ***Welch Way: Managing Change & Creating a Winning Strategy* Tutorials. (Jack Welch). Skillsoft.**

-----

Center Medical Director, Lab Director, Technical Director CSL Behring Plasma Bloomington, MN New Hope, MN St. Paul, MN Minneapolis, MN	2014-
<ul style="list-style-type: none"> <li>- <b>COLA Laboratory Director Certification</b></li> <li>- <b>COVID 19 US Response Team</b></li> </ul>	
Medical Director, Evidence Based Physician Reviewer CareCore National Bluffton, South Carolina	2013 --2014
<ul style="list-style-type: none"> <li>- <b>Evidence based national physician reviewer</b></li> <li>- <b>Mentoring &amp; Recruitment</b></li> </ul>	
Medical Director, Cardiovascular Surgery HealthEast Care System St. Paul, Minnesota	2011 -- 2013
<b>Awards &amp; Recognition:</b> <ul style="list-style-type: none"> <li>- <b>2013 Truven Health Analytics (formerly Thomson Reuters) Top 50 Cardiovascular Hospitals (St. Joseph's Hospital)</b></li> </ul>	
Chief, Cardiothoracic & Vascular Surgery	2010 -- 2011
Medical Director, Adult Cardiac, Thoracic & Vascular Surgery	2008 -- 2009
Saint Francis Health System – Warren Clinic Tulsa, Oklahoma	
<b>Awards &amp; Recognition:</b> <ul style="list-style-type: none"> <li>- <b>2011 Thomson Reuters Top 50 Cardiovascular Hospitals</b></li> <li>- <b>Attainment &amp; Top Improver Award for CABG Outcomes – CMS Premier Healthcare Alliance Hospital Quality Incentive Demonstration Pay for Performance Project</b></li> <li>- <b>Press Ganey – Outstanding Service Quality Scores</b></li> </ul>	
Senior Consultant LifeWings Partners, LLC Memphis, Tennessee	2006 -- 2012
<ul style="list-style-type: none"> <li>- <b>Aviation based patient safety, communication, critical team performance</b></li> <li>- <b>Personally delivered the first two inaugural Patient Safety Symposia for the Society of Thoracic Surgeons</b></li> </ul>	
President & Principal Peak Cardiovascular Surgery Las Vegas, Nevada	2001 -- 2008

- **Initiated and led practice delivering state of the art red carpet service**

Pilot & Expert, Aviation Safety, Aerospace Medicine & Physiology 1997-

- **Foundation for development and application of system and aviation-based strategies in communication, critical team performance, hardwired tools, patient safety, reliability, consistency, and efficiency.**
  - Certified flight instructor
  - Senior Aviation Medical Examiner
  - Special Consultant to the Federal Air Surgeon
  - Low altitude waiver
  - Formation certified
  - Airport management including civilian-government, federal grant, commercial and non-commercial, and fixed vs. rotor wing use issues

Partner 1994 -- 2000

Cardiovascular Surgery Associates  
Las Vegas, Nevada

- **Clinical Asst. Professor of Surgery, University of Nevada School of Medicine**
- **Practice development, outreach, marketing**
- **Initiated and led unincorporated Cardiac IPA**

Cardiothoracic Surgeon 1992 -- 1993

Colorado Springs Cardiothoracic Surgery, P.C.  
Colorado Springs, Colorado

- **Initiated and led programs in Pediatric Cardiac Surgery and Adult Cardiac Transplantation**

## GRADUATE EDUCATION

Watson Graduate School of Management  
Spears School of Business  
Oklahoma State University  
Stillwater, OK

M.B.A.

Winning Team BSG Simulation (*World Ranking*)

Golden Key International Honour Society

Bloomsbury Honor Society

Nominee to the International Scholar Laureate Program

2013

2013

2012-

2013-

2013

Hands-On Mini Fellowship, *Practical Training in Vascular Interventions*. Kyung Cho, MD, Course Director, University of Michigan Medical School.

November 2009

Included - Microcatheter techniques

- CO2 angiography
- Angioplasty
- Stenting
- Embolization

Scenario Design, Post Graduate Course, 8 <sup>th</sup> Annual International Meeting on Simulation In Healthcare. Society for Simulation in Healthcare.	January 2008
Comprehensive Workshop in Medical Simulation Harvard – MIT Center for Medical Simulation Cambridge, MA	November 2007
Alley-Sheridan Scholar Understanding the New World of Health Care Executive Program in Health Care Policy John F. Kennedy School of Government Harvard University Cambridge, MA	November 1997

## MEDICAL

New York University School of Medicine New York, New York M.D. with Honors	1979-1983
--	-----------

## UNDERGRADUATE

Franklin and Marshall College Lancaster, Pennsylvania B.A. Magna cum Laude Mathematics and Biology	1975 -- 1979
---	--------------

## RESIDENCY

Senior Registrar, Pediatric Cardiothoracic Surgery & Transplantation The Hospital for Sick Children Great Ormond Street London, United Kingdom	1991 -- 1992
Chief Resident & Resident, Cardiothoracic Surgery Clinical Instructor Columbia-Presbyterian Medical Center, Babies Hospital New York, New York	1989 -- 1991
Chief & Senior Resident The University of Iowa Hospitals and Clinics Iowa City Veterans Administration Medical Center Iowa City, Iowa	1987 – 1989
Medical Staff Fellow Surgery Branch, National Heart, Lung, & Blood Institute National Institutes of Health Bethesda, Maryland	1985 -- 1987
Surgical House Officer Teaching Assistant, Department of Surgery New York University Medical Center	

University Hospital, Bellevue Hospital,  
Manhattan Veterans Administration Medical Center  
New York, New York

1983 -- 1985

## RESEARCH

Primary Investigator: Human Monoclonal Antibody  
Against P-Selectin in Patients Undergoing Coronary  
Artery Bypass Graft Surgery

2011 -- 2013

Primary Investigator: CONcomitant eValuation of  
Epicor left atrial Therapy for AF

2011 -- 2013

Primary Investigator: Post-Approval Study Protocol of  
the St. Jude Medical Biocor and Biocor Supra Valves

2011 -- 2013

Principal Investigator, Performance Evaluation of Ancure  
Endograft System for Repair of Abdominal Aortic Aneurysms.  
Sunrise Hospital, Las Vegas.

2001

Medical Staff Fellow  
Surgery Branch, National Heart, Lung, & Blood Institute  
– Originated Cardiac Xenograft Investigation, Ongoing

1985 -- 1987

Honors Program Research Fellow  
Berg Laboratory for Cardiovascular Research  
New York University Medical Center

1982 -- 1983

Research Associate in Psychiatry  
Millhauser Laboratories  
New York University Medical Center

1979 -- 1982

Research Associate in Cardiology  
Cardiovascular Laboratory  
Lancaster General Hospital

1978 -- 1979

Endocrine Research  
Franklin and Marshall College

1978

## LICENSURE

Diplomate, American Board of Thoracic Surgery, No. 5327 – Recert. 12/01, 12/12, 10/21.  
Diplomate, American Board of Surgery, No. 35691 - Recert. 10/99, 12/11, 9/22, 9/24  
National Board of Medical Examiners  
Active: Minnesota #54077, Virginia #0101248995, CT #76665, UT #13803507-1235, WI #3964-320,  
TX #U8873, IA #33295, CA #G196310, SD

Inactive: Oklahoma, Nevada, Maryland, Colorado, New York, U.K.

## PROFESSIONAL SOCIETIES

Fellow, American College of Surgeons

Fellow, Aerospace Medical Association  
 Society of Thoracic Surgeons  
 Fellow, Civil Aerospace Medical Association  
 Fellow Member, International Association for the Advancement of Space Safety (IAASS)  
 Surgical Infection Society  
 Aerospace Human Factors Association  
 Space Surgery Association  
 American College of Occupational and Environmental Medicine (ACOEM)  
 Member, American College of Healthcare Executives (ACHE)  
 Naturalized Decision Making Association (NDMA)  
 Association for the Advancement of Wound Care (AAWC)  
 Andrew G. Morrow Society of Cardiovascular Surgeons  
 Society for Simulation in Healthcare  
 Society for Concurrent Product Development/Innovation  
 The John Jones Surgical Society of Columbia University  
 International Society for Heart & Lung Transplantation  
 European Association for Cardio-Thoracic Surgery  
 Royal Society of Medicine  
 International Society for Cardiac Biological Implants  
 Benjamin Rush Society of Franklin & Marshall College  
 European Wound Management Association  
 European Society of Clinical Microbiology and Infectious Diseases  
 Association for Professionals in Infection Control and Epidemiology (APIC)  
 Healthcare Information and Management Systems Society (HIMSS)  
 Wound Healing Society  
 Association for Vascular Access  
 Infusion Nurses Society  
 The Wound, Ostomy and Continence Nurses Society (WOCN)

**Past:**

Fellow, American Heart Association  
 Nevada State Medical Society  
 Clark County Medical Association  
 Association of American Physicians and Surgeons

## PROFESSIONAL ACTIVITIES

MBA Advisory Board: Strategic Vision. Spears School of Business. Oklahoma State University. October 16, 2025.

**Attendee.** CAMA Annual Scientific Meeting. Spokane, WA. September 18-19, 2025.

“Leadership Across Domains of Human Endeavor with Dr. Matthew Cooper.” Executive Springboard Podcast. June 12, 2025.

**Chair,** *G-Factors* Session, AsMA Annual Scientific Meeting. Atlanta, GA. June 2, 2025.

**Judge,** Incubate Debate National Championships. Sarasota, FL. May 30 – June 1.

**Member & Judge,** Contest Committee, Pylon Racing Seminar, National Championship Air Races. Roswell, NM. May 18-23, 2025.

**Presenter & Subject Matter Expert**, G-LOC. Pylon Racing Seminar, National Championship Air Races. Roswell, NM. May 18-23, 2025.

**Consultant**, Casualty & Medical Preparedness, National Championship Air Races. 2025 -

**Consultant**, University of Iowa Hospitals & Clinics Neonatal Air Care Transport. 2025 -

**Participant**, Unblinded Heart of Influence, Western Region Heroes in Healthcare and Business With Sean Callagy. April 15, 2025

"From Cockpit to OR: Surgical Precision and Team Performance with Dr. Matt Cooper." *No Way Out* Podcast # 114. April 2, 2025.

<https://open.spotify.com/episode/4PFW0Ki3fXu078GgHf92MP?si=vBVXTT9gR7-4TiC7N7rllw>

NextGen Invent Marketing & Business Development Team. March 24, 2025.

Executive Springboard Consulting Board. March 20, 2025

University of Minnesota Technology Commercialization Business Advisory Group. March 19, 2025.

Franklin & Marshall College Virtual Networking. January 29, 2025.

**Aviation Medical Examiner Refresher Training Course**. Nashville, TN – January 24-26, 2025.

**Member**, Aerospace Human Factors Association Incubator. December 12, 2024.

**Participant/Member**, AsMA Scientific Program Committee In-Person Review. Alexandria, VA. November 21, 2024.

**Participant/Board Member**, Fetal Care Center Facility Guidelines, Fetal Health Foundation. Dallas, TX. November 7, 2024.

**Abstract Reviewer**, Human Performance. AsMA Scientific Program Committee. November 5-15, 2024.

**Judge**, CCOM GAP Pitch Competition, University of Iowa Innovation. October 16, 2024.

**Attendee/Participant**, The Civil Aviation Medical Association Annual Scientific Meeting. Jacksonville, FL. September 18-21, 2024.

**Participant**, University of Minnesota Technology Commercialization Business Advisory Group. September 18, 2024.

**MetaOps Expert**, 2024 -

**Participant**, Your Gateway to Space, InterAstra Institute, Charles Bolden Group. August 28, 2024.

**Panel/Speaker**, Best Practices for Enterprise Evidence. MedTech Event: EU MDR Regulatory Updates and Best Practices for Evidence Management. Hyatt Centric Downtown Minneapolis. June 5, 2024.

**Attendee**, Aerospace Medical Association 94th Annual Scientific Meeting. Chicago, IL. May 3-10, 2024.

**Member**, Pediatric Device Innovation Consortium (PDIC) Leadership & Advisory Board, 2024 –

**Panel/Speaker**, Environmental Sustainability. 23rd Annual Design of Medical Devices Conference 2024. University of Minnesota, Minneapolis, MN. April 10, 2024.



**Participant**, Pediatric Device Innovation Consortium Breakthrough & Networking. 23rd Annual Design of Medical Devices Conference 2024. University of Minnesota, Minneapolis, MN. April 9, 2024.

**Attendee**, 23rd Annual Design of Medical Devices Conference 2024. University of Minnesota, Minneapolis, MN. April 9-10, 2024.

**Judge**, National High School Debate Championship. Incubate Debate. Jacksonville, FL. April 5-6, 2024.

**Consultant**, Cardiac Policy Roundtable & Cardiology Panel. CAMI/FAA. Oklahoma City, OK. March 20-22, 2024.

**Global Medical & Clinical Affairs Operational Planning Meeting**. 3M Health Care. St. Paul, MN. February 21-22, 2024.

**Presenter & Leadership**, Negative Pressure Wound Therapy FDA Informational Meeting. Washington, D.C. February 7, 2024.

**Consultant**, FAA Delphi Conference on Sentinel Incapacitating Events. CAMI, Oklahoma City, OK. January 31, 2024.

**Participant**, International Association for the Advancement of Space Safety (IAASS) Workshop: Human Research Program for Civilians in Spaceflight and Space Habitation (HRP-C). Oklahoma Aerospace Institute for Research and Education, Oklahoma State University, Tulsa, OK. January 23 – 24, 2024.

**Chief Medical Officer Presentation & Patient-Provider Testimonial**. 3M 2024 Medical Solutions Division USAC Training Meeting. Denver, CO. January 16, 2024.

**Judge**, University of Minnesota Robotic Competition. Minneapolis, December 11, 2023.

**Panel/Moderator**, 3M EMEA NPWT Made Simple Advisor Panel. Amsterdam, NL. November 13-14, 2023.

**Panel**, Passive Data from Devices can Improve Patient Outcome. MD&M/Advanced Manufacturing Minneapolis. Minneapolis Convention Center, MN. October 11, 2023.

**Faculty & Presentations**, Closed Incision Negative Pressure Therapy Consensus in Cardiac Surgery. Double Tree Hotel Business Bay, Dubai, UAE. October 6 & 7, 2023.

**Member**, Medical Solutions Division – USAC Plastic Surgery Advisory Board Meeting. 3M Innovation Center, St. Paul, MN. September 28 & 29, 2023.

**Keynote/Plenary Speaker. The Future of Digital Health**. 10<sup>th</sup> Annual American Medical Device Summit. Westin Chicago, IL. September 25-27, 2023.

**Panel Member**, Executive MedTech Roundtable: AI and Enterprise Evidence Management Driving Innovation. DistillerSR/Canadian Consulate. Minneapolis, MN. September 14, 2023.

**Faculty & Presenter**, Closed Incision Negative Pressure Therapy Consensus: International Multidisciplinary Surgical Specialty Publication Panel. Chicago. Sept. 8-9, 2023.

**Participant**, Creating a High-Performance Team One Debrief at a Time. John “Gucci” Foley. August 29, 2023.

**Speaker and Panel Member**, Global Medical & Clinical Affairs: SpinCo & Strategy Update & Leadership Panel. 3M Faculty Day. Dallas-Fort Worth. August 18-19, 2023.

**Attendee**, Innovative Approaches to Help Improve Patient Clinical Outcomes: A Case-Based Discussion. Edina, MN. June 1, 2023.

**Attendee**, Aerospace Medical Association 93<sup>rd</sup> Annual Scientific Meeting. New Orleans, LA. May 21-26, 2023.

**Attendee**, Heroes of Military Medicine. Washington, D.C. May 11, 2023.

**Attendee**, European Wound Management Association 2023. Milan, Italy. May 3-5, 2023.

**Introductory Speaker and Panel Member**. The Future of Digital Health. 2023 Society for Industrial and Applied Mathematics (SIAM) International Conference on Data Mining. Minneapolis, MN. April 27, 2023

University of Minnesota & S. Korea Medical Device Innovation Ecosystem Update. Minneapolis, MN. April 21, 2023.

University of Minnesota Institute for Engineering in Medicine Career Fair. Minneapolis, MN. April 20, 2023.

MIT Media Lab Spring 2023 Meeting. Cambridge, MA. April 3-4, 2023.

**Member**, Orbital Reef Industry R&D Advisory Council, MIT Media Lab. Cambridge, MA. March 17, 2023.

**Attendee, SpaceTech 2023**. MIT Department of Aeronautics and Astronautics. Cambridge, MA. March 16, 2023.

**Attendee, Beyond the Cradle**. MIT Space Exploration Initiative and Aurelia Institute March 15, 2023.

**Attendee**, 2023 Otto Schmitt Lecture, University of Minnesota Institute for Engineering in Medicine. Minneapolis, MN, Dr. Rick Kuntz: A MedTech Leader's Perspective on the Digital Health Revolution. February 28, 2023.

**Member**, SWPDC (SouthWest National Pediatric Device Innovation Consortium) Advisory Board. 2023 –

**Member**, Pediatric Medical Device Development and Commercialization Design Phase Project, Foundation for the National Institutes of Health. 2023 -

**MHA Health Ecosystems Panelist**: Trends that are transforming the medical device industry and impact to device usability, reliability, and safety. University of Minnesota Executive MHA Program. Minneapolis, MN, February 20, 2023.

**Keynote Speaker & Session Moderator**. Performance & Generational Achievement. Aerospace Medicine and Technology Symposium. 3M Tech Forum. St. Paul, MN, February 17, 2023.

**Attendee**, 2023 Annual Rockwell Lecture, University of Iowa. Iowa City, IA. Herbert Hethcote: Insights from Mathematical Modeling of Infectious Disease. February 9, 2023.

3M USAC Training Meeting 2023. Build Our Future. January 25-26, 2023, Minneapolis MN.

**Guest** on The High Performance Zone Podcast with John “Gucci” Foley. November 18, 2022. [youtu.be/c59kqTywJbY](https://youtu.be/c59kqTywJbY)

**Guest Speaker.** *Pursuit.* 15<sup>th</sup> Annual Earl E. Bakken Symposium Speaker Dinner. University of Minnesota, Minneapolis MN. November 17, 2022.

USAC Plastic Surgery Advisory Meeting. St. Paul, MN. November 16 & 17, 2022.

Design of Medical Devices Conference Korea 2022. POSTECH, Pohang. October 26-28, 2022.

CAMA Annual Scientific Meeting. Albuquerque, NM. September 23-24, 2022.

ICAM 2022. 1<sup>st</sup> International Conference of Aerospace Medicine. Center Des Congres De La Villette, Paris, France. September 21-23, 2022.

3M Global Medical & Clinical Affairs Team Meeting. St. Paul, MN. September 13-15, 2022.

Reducing Antimicrobial Resistance by Practicing Better Infection Prevention & Control. Business Council for International Understanding. United Nations 77<sup>th</sup> General Assembly. September 13, 2022.

Oklahoma State University MBA Advisory Board & Program Competitiveness Subcommittee. 2022-

**Panelist, *Technology Evolution & Impact in Reducing VA Complications.* 2022 Asia Leadership Encounter in Vascular Access (ALEVA). Singapore. July 16, 2022.**

**Panelist & Written Submission.** FDA Wound Healing Workshop. April 28 & 29, 2022.

***In Pursuit of Optimized Peri-Operative Outcomes.*** Delivered Symposium, Dr. Matthew Cooper. Association of Veterans Affairs Surgeons (AVAS). 45<sup>th</sup> Annual Surgical Symposium. Pittsburgh, PA. April 26, 2022.

NDMA Open House Webinar: Discover the World of Naturalized Decision Making. April 25, 2022.

***Pursuit...Keynote Address & 2022 Design of Medical Devices Conference Award.*** University of Minnesota. Minneapolis. April 12, 2022.

Wall Street Journal Health Forum. March 22, 2022.

**Respiratory Protection in Healthcare: COVID-19 Clinical Advisory Panel.** 3M. St. Paul, MN. March 3, 2022.

**Heroes of Healthcare. Augmenting Decision-Making with Medical Technology.** Dr. Matthew Cooper [@heroesofhealthcarepodcast](https://twitter.com/heroesofhealthcarepodcast). March 1, 2022.

**Panel,** Conversations in Ethical Leadership, Center for Legal Studies & Business Ethics, Spears School of Business, Oklahoma State University. Stillwater, OK. March 1, 2022.

3M USAC Training Meeting 2022. Power Forward. January 6 – February 1, 2022.

**Judge,** University of Minnesota Online Robot Show. University of Minnesota Mechanical Engineering. December 13-15, 2021.

**Judge**, University of Minnesota Institute for Engineering in Medicine Poster Competition. September 27, 2021.

**Moderator**, Orthopedic Surgery Advisory Panel. Grand Hyatt DFW, Dallas. September 17&18, 2021.

CAMA Annual Scientific Meeting. San Antonio, TX. September 23-25, 2021.

**Chair**, Cognitive Performance & Workload. Aerospace Medical Association 91<sup>st</sup> Annual Meeting August 28 - September 3, 2021. Denver, CO. September 1, 2021.

**Leader & Moderator**, Symposium: Infection Prevention Best Practices and Evolving Priorities During a Pandemic. APIC Virtual Conference June 28-30. June 29, 2021.

**Leader**, Senior Executive Roundtable, HITLAB Breakthrough Alliance Board. Columbia Business School. June 24, 2021.

3M Medical Solutions Division Extended Leadership Team Meeting. April 30, 2021.

Delivered Lecture: *Innovation, Capturable Value, & ...Entrepreneurship* Capstone, University of St. Thomas. ENT 450. March 23, 2021.

Clinician Symposium: The Evolving Role and Responsibilities of the Clinician for Demonstrating Medical Device Safety and Performance: "A look Into the Future Now" for the Notified Bodies Expectation for Clinician Evaluators. Dr. Frank Turner. Network Partners. March 11, 2021, June 29, 2021.

**Expert Panel**. The Future of Virtual First in the American Healthcare System. HITLAB Healthcare Innovation Technology Symposium. Columbia Business School. February 25, 2021.

Delivered Lecture: Medical Study - Springboard to Exploration. HealthPartners Occupational Health Residency Training Program. February 24, 2021.

[Innovation Best Practices of A Surgeon & A Pilot with ...](https://podcasts.io/podcasts/med-tech-gurus/...)

<https://podcasts.io/podcasts/med-tech-gurus/...>

**Innovation Best Practices of A Surgeon & A Pilot with Matthew Cooper MD. Med Tech Gurus** English - February 17, 2021.

System of Hospitals for Innovation in Pediatrics – Medical Devices (SHIP-MD). The National Innovation Ecosystem for Pediatric Medical Device Development. Public Workshop. February 9-11, 2021.

3M USAC Training Meeting 2021. Unleash the Power. January 25-29, 2021.

**Panelist**, Fetal Therapy Think Tank: 2021 Virtual Think Tank #8. Certification Series Intro. Design Guidelines Segment. January 15, 2021.

**Judge**, 2020 Robot Design Showcase, University of Minnesota Mechanical Engineering. December 7-9, 2020.

Growth Mindset & Agility Training. 3M HCBG. October 23, 2020.

2020 MIT SENSE.nano Symposium: The Body at All Scales. September 21, 22, 29. 2020.

**Moderator**, 2020 Virtual Think Tank #8, Innovation Series. Fetal Therapy Think Tank. September 11, 2020.

COVID-19 Innovations at the UMN. Design of Medical Devices Conference. University of Minnesota. June 9, 2020.

**Judge**, 2020 Student Design Showcase, University of Minnesota Design for Medical Device Virtual Device Conference. May 5-18, 2020.

Wall Street Journal Health Forum. March 24, 2020.

**Keynote/Faculty**, Innovation: Inspiration, Clinical Need, Technology, & Capturable Value. Planting Seeds of Innovation. Fifth Annual conference. University of Minnesota School of Nursing. Minneapolis, February 27, 2020.

Real World Evidence Workshop, IQVIA. St. Paul, MN. March 5, 2020.

3M Columbia, MO Safety Assessment & Quarterly Quality Management Review. February 12-13, 2020.

3M Healthcare Business Group: 2020 Leadership Summit. January 21, 2020.

**Presenter & Facilitator Breakout Sessions**, 7<sup>th</sup> Annual Fetal Center Think Tank. Houston, TX. December 12-13, 2019.

**Presenter**, AMSUS. The Society of Federal Health Professionals. 2019 Annual Meeting. National Harbor, MD. December 2-4, 2019.

**Mentor**, The Executive Springboard. 2019 –

Earl E. Bakken Symposium, 12<sup>th</sup> Annual, 2019. University of Minnesota. Minneapolis, MN. November 7, 2019.

Sustainability at 3M: Ideas for Sustainability Driven Innovation. St. Paul, MN. October 21, 2019.

Eastern Orthopedic Association. West Palm Beach, FL. October 16-19, 2019.

**Faculty & Presenter**, Design of Medical Devices Conference Korea 2019. Seoul. October 10-11, 2019.

IHI Patient Safety Congress. Houston Texas. May 15-17, 2019.

**Panel Member**, 19<sup>th</sup> Annual Wound Healing Foundation Young Investigator Lecture & 20<sup>th</sup> WHF-3M Fellowship Award. SAWC Spring 2019. San Antonio, TX. May 9, 2019.

**Panel Member**, 2019 Pediatric Device Breakthrough Collaborative: “Cracking the Partnership Code.” Building Successful Industry-Academic Partnerships to Advance Pediatric Innovation. University of Minnesota Design for Medical Devices Conference. Minneapolis, MN. April 18, 2019.

**Faculty & Presenter**, University of Minnesota Design for Medical Devices Innovation Workshop. University of Minnesota. Minneapolis, MN. April 15, 2019.

AdvaMed Pediatric Working Group 2019 - 2021

AdvaMed Chief Medical Officers Group 2018 - 2021

HCBG Leadership Summit. 3M Innovation Center. St. Paul, MN. January 24, 2019.

5<sup>th</sup> Annual Fetal Therapy Think Tank. Nicklaus Children’s Hospital. Miami FL. Dec. 6-7, 2018.

Earl E. Bakken Surgical Device Symposium 2018. Technological Advances in Organ Transplantation. University of Minnesota. Minneapolis, MN. October 12, 2018.

American College of Wound Healing and Tissue Repair. Chicago, IL. October 5-6, 2018.

**Member, Industrial Advisory Board of the Institute for Engineering in Medicine at the University of Minnesota. 2018 –**

**Member, Executive Planning Committee Design for Medical Device Conferences, University of Minnesota. 2018 –**

**Member, Corporate Advisory Panel, Association for the Advancement of Wound Care. 2016 –**

Society of Concurrent Product Development. 17<sup>th</sup> Annual. St. Paul, MN. June 14-15, 2018.  
The Pediatric Device Innovation Consortium. University of Minnesota. Minneapolis. April 12, 2018.

Design of Medical Devices Conference, Medical Device Innovation Workshop, & 2nd Annual Innovators Networking Event. University of Minnesota. Minneapolis. April 9-12, 2018.

HCBG Leadership Summit. 3M Innovation Center. St. Paul, MN. January 23, 2018.

Earl E. Bakken Surgical Device Symposium 2017. University of Minnesota, Minneapolis, December 6-7, 2017.

C3SD Management Leadership Team Meeting. 3M Innovation Center. St. Paul, MN. November 9, 2017.

3M Sustainability in Health Care Summit. 3M Innovation Center. St. Paul, MN. October 3, 2017.  
Transform 2017. Mayo Clinic Center for Innovation. Rochester, MN. September 27-29, 2017.

10<sup>th</sup> Annual FDA/AdvaMed Medical Devices & Diagnostics Statistical Issues Conference.  
Washington Marriott at Metro Center. Washington, DC. April 26-27, 2017.

**Faculty/Moderator**, New Antibiotics - New Approaches. European Congress of Clinical Microbiology and Infectious Diseases (ECCMID). Vienna, Austria. April 23, 2017.

2017 Invitational Innovators Networking Event, UMN Medical Device Center Fellows Program.  
University of Minnesota. Minneapolis, MN. April 12, 2017.

Design of Medical Devices Conference. University of Minnesota. Minneapolis, MN. April 11-13, 2017.  
Innovation Workshop. University of Minnesota. Minneapolis, MN. April 10, 2017  
Military Medicine Partnership Conference and Expo. Ellicott City, MD. March 7-8, 2017.  
Military Medicine Partnership Pre-Conference Seminar. Ellicott City, MD. March 6, 2017  
AdvaMed Chief Medical Officer Work Group. 2016 –

3M Critical & Chronic Care Solutions Division, Management Leadership Team.  
Leadership Forum, Innovation Center. St. Paul, MN. October 21, 2016.

3M Managing the Population Health Landscape Summit. Innovation Center. St. Paul, MN. June 21, 2016.

Medical Director for Minnesota, AllMed Healthcare Management 2015 – 2019  
3M Single Path Process Workshop. Murray, UT. September 2, 2015.

SCRUM Leadership Training – Understanding the Processes and Methods of Implementing SCRUM –  
Dr. Jeff Sutherland, CEO & Co-creator of Scrum. Salt Lake City, UT. July 30, 2015.

3M Health Information Systems Leadership Summit, Salt Lake City, UT. July 28-30, 2015.  
3M HIS Client Experience Summit, Salt Lake City, UT. May 5-7, 2015.

3M HIS Strategic Offsite. Salt Lake City, UT. March 10-11, 2015  
 3M HCBG Leadership Meeting, Maplewood, MN. January 26, 2015  
 3M HIS Leadership Summit, Salt Lake City, UT. July 21-23, 2014  
 3M HIS Client Experience Summit, Salt Lake City, UT. April 30, 2014.  
 Medical Director, MED-Ex Aero Medical Group, Inc. 2014 –  
 Advisory Board, Biome Analytics 2014 –  
 Reviewer, Medical Review International 2022 –  
 Peer Reviewer, MES Solutions, 2020 –  
 Consultant, Network Medical Review, ExamWorks 2017 -  
 Consultant, AllMed Healthcare Management 2014 –  
 HealthTap Concierge 2014 -  
 HealthTap 2013 –  
 Peer Reviewer, Medical Review Institute of America 2021 -  
 Medical Director/Reviewer, KePRO MN UM 2021  
 Consultant, KePRO (Keystone Peer Review Organization) 2013 -  
 Reviewer, VeriMed Healthcare Network, 2013-

### **Special Consultant to the Federal Air Surgeon in Cardiology, 2012 –**

Senior Consultant, LifeWings Partners, LLC, 2006-2012  
 Preceptor, Saint Matthew's University School of Medicine, 2009-  
 Physicians Advisory Council, 2006 –  
 Society of Thoracic Surgeons Expert Review Witness Registry 2006 –

Microwave Ablation. Bay Area Heart Institute. San Ramon Regional Medical Center. December 17, 2002.

Council of Healthcare & Biomedical Advisors, 2000-

**Reviewer**, Aerospace Medicine & Human Performance, 2025 -  
**Reviewer**, Military Medicine, 2024 -  
**Reviewer**, Journal of Medical Devices, 2021 -  
**Reviewer**, Journal of Heart Valve Disease, 2011 -  
**Reviewer**, Journal of Heart & Lung Transplantation, 1999-  
**Reviewer**, Annals of Thoracic Surgery, 1992-

### **Past:**

HealthEast Cardiovascular Strategy Planning Group, 2012-2013  
 St. Joseph's Hospital Heart Care Governance Council, 2011-2013  
 St. Joseph's Hospital Heart Care Clinical Council, 2011-2013  
 St. Joseph's Hospital Emerging New Therapies, Education & Research Group, 2011-201  
 HealthEast Surgery Council, 2011-2013  
 Clinical Consultant, *Specialty Care* (Perfusion), 2011-2013  
 HealthEast Medical Staff Peer Review Case Reviewer, 2011-2013

Moderator, ICU Nursing Round Table, 2010  
 Warren Cardiovascular Research Group, 2010  
 Operating Room Committee, 2009 – 2010  
 Heart Hospital Council, 2008 - 2010  
 Heart Hospital QI Steering Committee, 2008 – 2010

Medical Director, Adult Cardiac, Thoracic & Vascular Surgery, Saint Francis Health System, 2008 – 2009

New Technology Committee, 2008-2010

Chairperson, Committee on Cardiac Blood Usage & Testing, 2008-2010  
 Saint Francis Peer Review Committee, 2008 - 2010  
 Medical Director's Committee, 2008- 2009

Chief, Cardiovascular & Thoracic Surgery, Valley Hospital Medical Center, 2004-2005  
 Chief, Cardiovascular & Thoracic Surgery, MountainView Hospital, 2001-2003  
 Member, ISHLT, MCS D (VAD) Council, 2001-  
 Chief, Thoracic Surgery, Summerlin Hospital, 2001-2005  
 Cancer Committee, Cancer Institute of Nevada, Summerlin Hospital, 2001-2005  
 Chairman, Department of Surgery, MountainView Hospital, 1997-2001  
 Chairman, Department of Surgery, Sunrise Hospital & Medical Center, 1999-2000  
 Chief, Cardiovascular & Thoracic Surgery, MountainView Hospital, 1999

Chief, Cardiovascular & Thoracic Surgery, Sunrise Hospital & Medical Center, 1997-1998  
 Vice Chairman, Department of Surgery, Sunrise Hospital & Medical Center, 1997-1998  
 Chairman, Las Vegas Cardiovascular IPA, 1997  
 Chief, Cardiovascular & Thoracic Surgery, MountainView Hospital, 1996-1997  
 Clinical Assistant Professor, Department of Surgery, Univ. of Nevada School of Medicine, 1995-2008  
 Cardiac Services Steering Committee, MountainView Hospital, 2000-2007  
 Chairman, Point of Care Testing Committee, Sunrise Hospital & Medical Center, 1999-2000  
 Outreach Council, Sunrise Hospital & Medical Center, 1999  
 Cancer Committee, Sunrise Hospital & Medical Center, 1999-2004  
 Medical Legal Screening Panel, Nevada State Med. Assoc., 1997-99  
 Board of Directors, Nevada Donor Network, 1996-2001  
 Cardiovascular Task Force Work Group, Sunrise Hospital, 1996  
 Medical Advisory Committee, Nevada Donor Network, 1995-2000  
 Medical Quality Care Committee, Sunrise Hospital, 1995-1996  
 Operative & Other Invasive Procedures Committee, Sunrise Hospital, 1995-1996  
 Allied Health Care Provider Committee, Sunrise Hospital, 1995-2000  
 Organ Donor Council, Sunrise Hospital, 1994-2000  
 Quality Improvement Reviewer, Desert Springs Hospital, 1994-

American Heart Association Council on Cardiothoracic & Vascular Surgery, 1997

Honorary Chairman, Physician Advisory Board, State of Nevada, National Republican  
 Congressional Committee, 2003-2008

Data Committee, Rocky Mountain Heart Consortium, 1993  
 Board of Directors, CORS, 1993  
 Medical Advisory Committee, CORS, 1993

Cardiac Services Monitoring & Evaluation Committee, Memorial Hospital, 1992-1993  
 Chief, Pediatric Cardiac Surgery, Memorial Hospital, 1992-1993

## HONORS/AWARDS

**2023 Audie and Bernice Davis Award. Civil Aviation Medical Association**

**Guest Speaker. 15<sup>th</sup> Annual Earl E. Bakken Symposium. University of  
 Minnesota, Minneapolis MN. November 17, 2022**

**University of Minnesota 2022 Design of Medical Devices Conference Award**

Voted one of Las Vegas' Top Doctors, *Las Vegas Life Magazine*, 2007  
 Leading Health Professionals of the World, International Biographical Centre, 2005



America's Top Surgeons, Consumers' Research Council of America, 2004-2005

National Leadership Award, Physicians Advisory Board, Republican Leadership re  
Health Care Reform, 2003

Andrew G. Morrow Traveling Fellowship Award for 1988

Phi Beta Kappa

Isaac E. Roberts Prize in Biology

Bradford S. Kline Memorial Prize in Biology

Kershner Scholar Award in Mathematics

Mu Upsilon Sigma Honorary Band Society

Who's Who in Science & Engineering, 2008-2009 Edition

Who's Who in Science & Engineering, 2006-2007 Edition

Who's Who in the World, 23<sup>rd</sup> Edition, 2006

Who's Who in America, 59<sup>th</sup> Edition, 2005

Who's Who in the World, 21<sup>st</sup> Edition, 2004

Who's Who in America, 58<sup>th</sup> Edition, 2004

Who's Who in Medicine & Healthcare, 5<sup>th</sup> Edition, 2004

Who's Who in America, 56<sup>th</sup> Edition, 2002

Who's Who in the World, 19<sup>th</sup> Edition, 2001

Who's Who in America, 54<sup>th</sup> Edition, 2000

Sterling Who's Who Directory, 1995/6 Edition

## BIBLIOGRAPHY

1. Cooper MM. Prevention of spinal cord injury following occlusion of the thoracic aorta - pharmacologic enhancement of spinal ischemic tolerance. Honors Thesis, New York University School of Medicine, March 1983.
2. Cooper MM, Steinberg JJ, Lastra MS, Antopol S. Tonsillar calculi: case report and literature review. *Journal of Oral Surgery, Oral Medicine, Oral Pathology* 1983;55:239-243.
3. Laschinger JC, Cunningham JN, Jr, Krieger K, Baumann FG, Cooper MM, Nathan IM, Spencer FC. Delayed institution of pulsatile left atrial/femoral artery bypass: effects on reduction of myocardial infarct size. *Surgical Forum*. 1983; 34:258-261.
4. Laschinger JC, Cunningham JN, Jr, Nathan IM, Knopp EA, Cooper MM, Spencer FC. Experimental and clinical assessment of the adequacy of partial bypass in maintenance of spinal cord blood flow during operations on the thoracic aorta. *Ann Thorac Surg*. 1983; 36:417-426.
5. Laschinger JC, Cunningham JN, Jr, Cooper MM, Krieger K, Nathan IM, Spencer FC. Prevention of ischemic spinal cord injury following aortic crossclamping - use of corticosteroids. *Ann Thorac Surg*. 1984; 38:500-507.
6. Ranson JHC, Balthazar E, Caccavale R, Cooper MM. Computed tomography and the prediction of pancreatic abscess in acute pancreatitis. *Ann Surg*. 1985; 201:656-665.
7. Balthazar EJ, Ranson JHC, Nadich DP, Megibow AJ, Caccavale R, Cooper MM. Acute pancreatitis: prognostic value of CT. *Radiology* 1985;156:767-772.
8. Gault JH, Gentzler RD, Cooper MM, Reed JC. Characterization of left ventricular chamber distortion: alterations in cavity shape and orientation in mitral stenosis. *Catheterization and Cardiovascular Diagnosis*. 1986; 12:85-92.

9. Laschinger JC, Cunningham JN, Jr, Cooper MM, Baumann FG, Spencer FC. Monitoring of somatosensory evoked potentials during surgical procedures on the thoracoabdominal aorta. I. Relationship of aortic cross-clamp duration, changes in somatosensory evoked potentials, and incidence of neurologic dysfunction. *J Thorac Cardiovasc Surg.* 1987; 94:260-265.
10. Laschinger JC, Cunningham JN, Jr, Baumann FG, Cooper MM, Krieger KH, Spencer FC. Monitoring of somatosensory evoked potentials during surgical procedures on the thoracoabdominal aorta. III. Intraoperative identification of vessels critical to spinal cord blood supply. *J Thorac Cardiovasc Surg.* 1987; 94:271-274.
11. Cooper MM, McIntosh CL, Tucker E, Clark RE. Operation for hypertrophic subaortic stenosis in the aged. *Ann Thorac Surg.* 1987; 44:370-378.
12. Cooper MM. Metastatic calcification: an unusual cause of lower intestinal hemorrhage. *New York State Journal of Medicine.* 1988; 88:389-390.
13. Cooper MM, Robbins RC, Gansow OA, Waldmann TA, Clark RE. Use of Anti-Tac antibody in primate cardiac xenograft transplantation. *Surgical Forum.* 1988; 39:353-355.
14. Cooper MM. Surgical therapy for hypertrophic subaortic stenosis in the elderly. *Geriatric Medicine Today* 1989; 8:51-76.
15. Cooper MM, Wright FH, Smith JL, Corry RJ. Successful treatment of a high-output fistula with a somatostatin analogue following pancreas transplantation. *Transplantation Proceedings* 1989;21: 3738-3741.
16. Cooper MM, Tucker E, McIntosh CL, Cannon RO, Clark RE. Effect of left ventricular septal myectomy on concurrent mitral regurgitation. *Ann Thorac Surg* 1989; 48:251-256.
17. Cooper MM, Robbins RC, Goldman CK, Mirzadeh S, Brechbiel MW, Stone C, Gansow OA, Clark RE, Waldmann TA. Use of Yttrium-90-labeled anti-Tac antibody in primate xenograft transplantation. *Transplantation* 1990; 50:760-765.
18. Cooper MM, Clark RE, Waldmann TA. *Reply to the Editor*, re: Use of Yttrium-90-labeled anti-Tac antibody in primate xenograft transplantation. *Transplantation.* 1991; 52:181-2.
19. Cooper MM, Reison DS, Rose EA. Accelerated atherosclerosis. *Current Opinion in Cardiology.* 1991; 6:581-589.
20. Cooper MM, Fuzesi L, Addonizio LJ, Hsu DT, Smith CR, Rose EA. Pediatric heart transplantation after operations involving the pulmonary arteries. *J Thorac Cardiovasc Surg.* 1991; 102:386-95.
21. Cooper MM, Guillem J, Dalton J, Marboe C, Corwin S, Todd G, Rose EA. Recurrent intravenous leiomyomatosis with cardiac extension. *Ann Thorac Surg.* 1992; 53:139-41.
22. Cooper MM, Smith CR, Rose EA, Schneller SJ, Spotnitz HM. Permanent pacing following cardiac transplantation. *J Thorac Cardiovasc Surg.* 1992; 104:812-16.
23. Cooper MM, Rose EA. Cardiac transplantation: future directions. *Comprehensive Therapy.* 1992; 18:2-5.
24. Hickey TJ, Cooper MM, Rose EA. Facilitated internal mammary artery anastomoses (Letter to the Editor). *J Thorac Cardiovasc Surg.* 1993; 107:752.
25. Oz MC, Cooper MM, Hickey TJ, Rose EA. Exposure of the intramyocardial left anterior descending

- artery. *Ann Thorac Surg*. 1994; 58:1194-5.
26. Cooper MM, *et al*. Letter to the Editor, re: Expansion of transplants here in doubt. *Las Vegas Review-Journal*. July 6, 1994.
  27. Solowiejczyk D, Cooper MM, Barst R, Quaegebeur JM, Gersony W. Pulmonary atresia and ventricular septal defect with coronary artery to pulmonary artery fistula: case report and review of the literature. *Pediatr Cardiol* 1995; 16:90-94.
  28. Cooper MM. Sterile cockpit. *General Aviation News*. March 10, 2006; 58(5): 47.
  29. Cooper MM. Sterile cockpit. [www.SaferPatients.com](http://www.SaferPatients.com). LifeWings Partners LLC., March 2006.
  30. Cooper MM. Sterile Cockpit: What pilots and doctors can teach each other. *The Pulse*. [www.SaferPatients.com](http://www.SaferPatients.com). LifeWings Partners LLC., September 2006.
  31. Cooper MM. Sterile Cockpit. *Medline*. In Press.
  32. Cooper MM. Pyramids, pilots, and patients. Submitted for Publication.
  33. Cooper MM. Aviation and healthcare. *Letter to the Editor*. *The Wall Street Journal*. Submitted for Publication.
  34. Cooper MM. Aviation and healthcare. *Letter to the Editor*. *The Washington Post*. Submitted for Publication.
  35. Cooper MM. Evaluation of a preoperative checklist and team briefing among surgeons, nurses, and anesthesiologists to reduce failures in communication. *Letter to the Editor*. *The Archives of Surgery*. October 2008; 143(10):1023-1024.
  36. Cooper MM. Finding F.O.D. *Never Again*. *AOPA Pilot*. March 2009:112-114.
  37. Cooper MM. Spears School of Business 50<sup>th</sup> Anniversary, Outstanding MBA Alumni, Steven H. Austin, Bio. Oklahoma State University.
  38. Emery RW, Cooper MM, Joyce DL. Over the Next Hill. Inaugural Arom Lecture. International Society for Minimally Invasive Cardiac Surgery. Washington, DC. 7(3):165-172, May/June 2012.
  39. Cooper MM. ...Ah yes, the patient! 3M Health Information System's blog (<http://3mhealthinformation.wordpress.com/author/mattcoopermmd/>). 5/16/14. LinkedIn 5/20/14.
  40. Cooper MM. CQI and Performance Evaluation: The Debrief. 3M Health Information System's blog (<http://3mhealthinformation.wordpress.com/author/mattcoopermmd/>). 7/3/14. LinkedIn 7/3/14.
  41. Cooper MM. Situational Awareness – Are we on the same sheet of music? 3M Health Information System's blog (<http://3mhealthinformation.wordpress.com/author/mattcoopermmd/>). 8/4/14. LinkedIn 8/6/14.
  42. Cooper MM. Normalization of Deviance. LinkedIn 9/22/14.
  43. Cooper MM. Is it time to give your old VLU treatment the boot? *Surgical Products*. 2016; Nov/Dec:26-27. [www.SurgicalProductsMag.com](http://www.SurgicalProductsMag.com).
  44. Cooper MM. 3M™ Tegaderm™ Silicone Foam. [Healthcare Purchasing News](http://www.HealthcarePurchasingNews.com). June 2018.
  45. Cooper MM. Protecting Patients Behind the Scenes. 3M Medical Solutions Transforming Outcomes Blog. February 24, 2020.
  46. Cooper MM. The Disinfection and Sterilization of Endoscopes: A Primer. 3M Medical Solutions

Transforming Outcomes. Blog. February 24, 2020.

47. Cooper MM. Stethoscope Cleaning 101. 3M Medical Solutions Transforming Outcomes. Blog. March 23, 2020.
48. Cooper MM. Mitigating the Risk of Infectious Disease Spread Through Contamination Prevention. 3M Medical Solutions Transforming Outcomes. Blog. April 9, 2020.
49. Cooper MM. Stethoscope Cleaning 101. Canada Science Center web page. (<https://sciencecentre.3mcanada.ca/health-matters>).
50. Cooper MM. Importance of Convalescent Plasma. CSL Plasma Daily Huddle. September 2020.
51. Cooper MM. Never Again: Finding FOD. (Reprinted with Permission from AOPA). Flight Physician. Civil Aviation Medical Association. 2020; 23(3).
52. Pastoor S, DeBuono B, Schommer K, Hedblom E, Pournoor J, Cooper, MM. The Dirty Truth About Tape. Making the Case for Single-Use Tape as the Clinical Standard. 3M White Paper. July 20, 2020. Revised April 2021.
53. Sutton NR, Banerjee S, Cooper MM, et al. Coronary Artery Disease Evaluation and Management Considerations for High Risk Occupations: Commercial Vehicles Drivers and Pilots. Circulation: Cardiovascular Interventions. 2021; 14(6).
54. Cooper MM. Sainted. *Letter to the Editor*. St. Paul Pioneer Press. Saturday, July 10, 2021.
55. Cooper MM. Musings on Dynamic Times. Flight Physician. 2022; 25(4): 7-10.
56. Beeckman D, Cooper M et al. The Role Community-Based Health Care Providers Play in Managing Hard-to-Heal Wounds. Int Wound J. 2023; 21(1):1-12.
57. Borges EL, Moraes JT, Lisboa CR, Anderson M, Cooper MM. A Multicenter Randomized Controlled Trial to Compare the Efficacy of Unna Boot with a Cohesive 2-Layer Compression System in Patients with Venous Leg Ulcers. Health Science Reports. In Press.
58. Cooper MM. The Future is Here (Part 1). Civil Aviation Medical Association. Flight Physician. 2023; 26(4) September: 5-9.
59. Loubani M, Cooper M et al. Surgical site infection outcomes of two different closed incision negative pressure therapy systems in cardiac surgery: Systematic review and meta-analysis. International Wound Journal. 2024; 21(1):e14599.
60. Cooper MM et al. *Letter to the Editor*. Advances in Skin & Wound (ASWC). Re: Rabel T et al. Negative Pressure Wound Therapy for Open Abdomen in Surgical Re-Intervention after Curative Surgery of Peritoneal Malignancy Increases the Risk of Recurrency. Submitted for Publication.
61. Cooper MM. Minnesota Thorp T-18. "What Our Members are Building/Restoring" EAA Sport Aviation. March 2024; 73(3): 104.
62. Miller-Mikolajczyk C, Beach K, Silverman R, Cooper M. The Evolution of Commercial Negative Pressure Wound Therapy Systems over the Past Three Decades. Advances in Wound Care. 2024; 13(1): 375-390.
63. Cooper MM. The Future is Here (Part 2). Civil Aviation Medical Association. Flight Physician. 2024; 27(1) February: 14-18.

64. Cooper MM. The Future of Digital Health. *siam news*. May 13, 2024.  
<https://sinews.siam.org/Details-Page/the-future-of-digital-health>.
65. Cooper MM. "To Be or To Do": John Boyd and Effective Action – Relevance Persists. *J Cri Res & Eme Med*. 2024; 3(4): 1-6.
66. Cooper MM & AsMA Aviation Safety Committee. AsMA Draft Resolution 2024-02: Establish a new Defense Safety Agency (DSA) to Connect Military Safety to Military Requirements. January 2025.
67. Cooper MM & AsMA Aviation Safety Committee. AsMA Draft Resolution 2024-03: Equipping Civilian and Military Aircraft for Global Positioning System-Based Instrument Approaches to Prevent Controlled Flight into Terrain Resulting From Night Illusions. July 2025.
68. Cooper MM. Is RNA the Rosetta Stone for Organ Preservation? (*Invited* Editorial re: Left ventricular transcriptome and extracellular vesicle-derived mRNAs in porcine donation after circulatory death (DCD) hearts undergoing prolonged working mode ex situ perfusion). *Journal of Heart and Lung Transplantation*. In press.
69. Cooper MM. Medical Risk and Flying: Perspective and Management. *Pilot Medial Solutions*.  
[www.LeftSeat.com](http://www.LeftSeat.com). In press.
70. Cooper MM & AsMA Aviation Safety Committee. Procedural & Complacency in Commercial and Military Aviation Resulting in Increased Rate of Potentially Preventable Near Misses & Accidents. White Paper in preparation.

## BOOK CHAPTERS

1. Cooper MM, Rose EA. Cardiac transplantation and mechanical bridge to transplantation for acute coronary ischemia. In Lazar HL (ed.), *Current Therapy for Acute Coronary Ischemia*. 1993, Futura Publishing Co, Mount Kisco, NY, pp:257-284.
2. Cooper MM, Elliott MJ. Haemodilution. In Jonas RA, Elliott MJ (eds.), *Cardiopulmonary Bypass in Neonates, Infants, and Young Children*. 1994, Butterworth Heneman, Linacre House, Boston, MA, pp:82-99.
3. Cooper MM. *Thoracic Procedures* in ***Procedural Medicine for Spaceflight***. In preparation – June 2026 publication.
4. Cooper MM. *Cardiac & Thoracic Surgery* in ***The Space Surgery Association/SAGES Manual of Space Surgery***. In preparation – June 2026 publication.

## ABSTRACTS

1. Cooper MM, Laschinger JC, Nathan IM, Cunningham JN, Jr, Spencer FC. Prevention of spinal cord injury following occlusion of the thoracic aorta - corticosteroid enhancement. The 24th National Student Research Forum, Galveston, Texas, April 20-22, 1983.
2. Laschinger JC, Cunningham JN, Jr, Cooper MM, Krieger K, Nathan IM, Spencer FC. Prevention of ischemic spinal cord injury following aortic crossclamping - use of corticosteroids. *Chest*. 1983; 84:357.

3. Cooper MM, McIntosh CL, Kupferschmid JP, Clark RE. Operation for hypertrophic subaortic stenosis in the aged. *JACC*. 1986; 7:161A.
4. Ranson JHC, Balthazar E, Caccavale R, Cooper MM. Computed tomography and the prediction of pancreatic abscess in acute pancreatitis. *Ann Surg* 201:656-665, 1985. Reprinted in *Surg Gyn Ob*. 1987; 165:95-96.
5. Cooper MM, Fuzesi L, Addonizio LJ, Hsu DT, Smith CR, Rose EA. Pediatric heart transplantation following surgery involving the pulmonary arteries. *The Journal of Heart Transplantation*. 1990; 9:60.
6. Cooper MM, Fuzesi L, Addonizio LJ, Hsu DT, Smith CR, Rose EA. Pediatric heart transplantation following surgery involving the pulmonary arteries. *The American Association for Thoracic Surgery, 70th Annual Meeting, Toronto, Ontario, Canada, May 7-9, 1990*.
7. Cooper MM, Smith CR, Rose EA, Schneller SJ, Spotnitz HM. Permanent transvenous pacing following orthotopic heart transplantation. *Pace*. 1990; 13:554.
8. Cooper MM, Robbins RC, Goldman CK, Mirzadeh S, Brechbiel MW, Stone C, Gansow OA, Clark RE, Waldmann TA. Use of Yttrium-90-labeled anti-Tac antibody in primate xenograft transplantation. *Transplantation* 1990; 50:760-765. Reprinted in 1992 Yearbook of Transplantation.1:190-191.
9. Cooper MM, Elliott MJ, de Leval MR, Stark J. Prosthetic valve replacement in infants and children. Presented to the XVIIIth European Alpine Cardiology and Cardiac Surgery Meeting, Val D'Isere, France, March 23-25, 1992.
10. Kass RM, Ahern TS, Cooper MM, Raissi S, Swerdlow CD. Anterior axillary incision for subpectoral defibrillator implantation in 60 consecutive patients. *Pace* 1995;18: 874.
11. Cooper MM. Augmented Cognition, Optimized Decision Making, & Agility: Historical Context, Lessons, & Unifying Focus for Health Care & Industry. 2019 AMSUS Annual Continuing Education Meeting.
12. Cooper MMC. Hypoxic Pulmonary Vasoconstriction and Congenital Heart Disease. AsMA 91<sup>st</sup> Scientific Meeting, October 10-15, 2020. Accepted; meeting canceled.
13. Cooper MMC. Hypoxic Pulmonary Vasoconstriction and Congenital Heart Disease. AsMA 91<sup>st</sup> Scientific Meeting. Denver, CO, Aug. 29-Sept 2, 2021. Accepted for Presentation. *Aerospace Medicine and Human Performance*. 2021; 92(6): 501.
14. Cooper MM. "To Be or To Do": John Boyd and Effective Action – Relevance Persists. ICAM2022. 1<sup>st</sup> International Conference of Aerospace Medicine, 22-24 September 2022. Paris, France. Presented.
15. Cooper MM. Expanding Participation in Flight & Space: Implications for Preparing those with Abnormal Physiology. ICAM2022. 1<sup>st</sup> International Conference of Aerospace Medicine, 22-24 September 2022. Paris, France. Presented.
16. Milne C, Beeckman D, Cooper M et al. The Role Community-Based Health Care Providers Play in Managing Hard-to-Heal Wounds WOCNext, June 4-7, 2023, Las Vegas, NV. Accepted for Poster Presentation.
17. Cooper MM. Core System Attributes Required for Successful Adaptive Response & Performance. Submitted for Presentation 93<sup>rd</sup> AsMA Scientific Meeting, May 21-25, 2023. New Orleans, LA.

## PRESENTATIONS

1. Cooper MM, Laschinger JC, Nathan IM, Cunningham JN, Jr, Spencer FC. Prevention of spinal cord injury following occlusion of the thoracic aorta - corticosteroid enhancement. The 24th National Student Research Forum, Galveston, Texas, April 20-22, 1983.
2. Cooper MM, McIntosh CL, Kupferschmid JP, Clark RE. Operation for hypertrophic subaortic stenosis in the aged. American College of Cardiology, Atlanta, Georgia, March 1986.
3. Cooper MM, Robbins RC, Gansow OA, Waldmann TA, Clark RE. Use of Anti-Tac antibody in primate cardiac xenograft transplantation. Surgical Forum, Chicago, Illinois, October 1988.
4. Cooper MM, Robbins RC, Gansow OA, Waldmann TA, Clark RE. Use of anti-Tac antibody in primate cardiac xenograft transplantation. Resident/Fellow Research Program, University of Iowa Hospitals & Clinics, May 19, 1989.
5. Cooper MM, Fuzesi L, Addonizio LJ, Hsu DT, Smith CR, Rose EA. Pediatric heart transplantation following surgery involving the pulmonary arteries. The New York Society for Thoracic Surgery, New York, New York, February 15, 1990.
6. Cooper MM, Fuzesi L, Addonizio LJ, Hsu DT, Smith CR, Rose EA. Pediatric heart transplantation following surgery involving the pulmonary arteries. The American Association for Thoracic Surgery, 70th Annual Meeting, Toronto, Ontario, Canada, May 7-9, 1990.
7. Cooper MM, Smith CR, Rose EA, Schneller SJ, Spotnitz HM. Permanent transvenous pacing following orthotopic heart transplantation. The North American Society of Pacing and Electrophysiology, 11th Annual Meeting, San Diego, California, May 31, June 1-2, 1990.
8. Quaegebeur JM, Cooper MM. Repair of interrupted aortic arch. Sixth Charleston Symposium on Congenital Heart Disease, Charleston, South Carolina, February 28 - March 2, 1991.
9. Stark J, Cooper MM. Prosthetic valves in children. German Pediatric Cardiology Association, Mainz, Germany, October 8, 1991.
10. Cooper MM, Elliott MJ. Surgical results for native coarctation repair. British Paediatric Cardiac Association, Edinburgh, U.K., November 22, 1991.
11. Cooper MM. Hemodilution for cardiopulmonary bypass. Student Perfusionists Workshop. The Hospital for Sick Children, Great Ormond Street, London, U.K., December 13, 1991.
12. Cooper MM, Elliott MJ. Paediatric cardiac surgery. Third International Paediatric Respiratory Care Course for Physiotherapists. The Hospital for Sick Children, Great Ormond Street and The Institute of Child Health, University of London. February 3-7, 1992.
13. Cooper MM, Elliott MJ, de Leval MR, Stark J. Prosthetic valve replacement in infants and children. Presented to the XVIIIth European Alpine Cardiology and Cardiac Surgery Meeting, Val D'Isere, France, March 23-25, 1992.
14. Cooper MM. Congenital heart disease and cardiac transplantation. Memorial Hospital, Colorado Springs, Colorado, June 9, 1992.
15. Cooper MM. Frontiers in pediatric cardiac surgery. Memorial Hospital, Colorado Springs, Colorado, June 9, 1992.

16. Cooper MM. Neonatal heart transplantation. Memorial Hospital, Colorado Springs, Colorado, August 4, 1992.
17. Cooper MM. Challenges in pediatric cardiac surgery. Presented to the Nursing Educational Conference on Pediatric Cardiovascular Surgery, Colorado Springs, Colorado, September 10, 1992.
18. Cooper MM. Pediatric cardiopulmonary transplantation. Presented to the Nursing Educational Conference on Pediatric Cardiovascular Surgery, Colorado Springs, Colorado, September 10, 1992.
19. Cooper MM. Postoperative management and typical clinical patterns following surgery for congenital heart disease. Memorial Hospital, Colorado Springs, Colorado, November 3, 1992.
20. Cooper MM. Cardiac transplantation and mechanical bridge to transplantation for acute coronary ischemia. Memorial Hospital, Colorado Springs, Colorado, November 17, 1992.
21. Ellis T, Cooper MM. Mechanical circulatory assistance and cardiac transplantation for acute coronary ischemia. Presented at *Mending Broken Hearts: Managing the Acute M.I.*, Southern Colorado Chapter of American Association of Critical-Care Nurses and El Paso County Division American Heart Association, Colorado Springs, Colorado, February 12, 1993.
22. Ellis T, Cooper MM. The operating room as a "Black Box." Memorial Hospital, Colorado Springs, Colorado, February 19, 1993.
23. Wiencek RG, Cooper MM. Hypoplastic Left Heart Syndrome. Pediatric Grand Rounds, Sunrise Hospital, Las Vegas, Nevada, April 29, 1994.
24. Cooper MM. Cardiomyopathy & Transplantation. *State of the Heart*. KVBC TV Channel 3, Las Vegas, Nevada, April 1994.
25. Cooper MM. Implantable Defibrillators & Pacemakers. *State of the Heart*. KVBC TV Channel 3, Las Vegas, Nevada, May 1994.
26. Cooper MM. Heart Disease in Women. *State of the Heart*. KVBC TV Channel 3, Las Vegas, Nevada, June 1994.
27. Cooper MM. Congenital Heart Disease. *State of the Heart*. KVBC TV Channel 3, Las Vegas, Nevada, June 1994.
28. Cooper MM. Organ Donation & Transplantation. Intensive Care Unit Staff Meeting, Sunrise Hospital & Medical Center, Las Vegas, Nevada, December 6 & 8, 1994.
29. Cooper MM. Cardiopulmonary Bypass: Physiology, Effects, and Patterns of Postoperative Care. Sunrise Hospital & Medical Center, Las Vegas, Nevada, March 7, 1995.
30. Cooper MM. Mechanical Assistance: Present and Future. Sunrise Hospital & Medical Center, Las Vegas, Nevada, March 7, 1995.
31. Kass RM, Ahern TS, Cooper MM, Raissi S, Swerdlow CD. Anterior axillary incision for subpectoral defibrillator implantation in 60 consecutive patients. The North American Society of Pacing and Electrophysiology, 16th Annual Meeting, Boston, Massachusetts, May 3-5, 1995.
32. Cooper MM. Carotid, Aneurysmal, & Peripheral Vascular Disease. Southwest Medical Associates Continuing Medical Education Program. Las Vegas, Nevada, May 11, 1995.
33. Cooper MM. Surgical treatment of carotid artery disease. American Academy of Physician Assistants,



23rd Annual Meeting, Las Vegas, Nevada, May 29-June 3, 1995.

34. Cooper MM. Heart transplantation. Testimony to the Ways & Means Committee, Nevada State Assembly, Carson City, Nevada, June 16, 1995.
35. Cooper MM. Cardiovascular surgery. *Las Vegas Today Show*. Las Vegas, Nevada, September 28, 1995.
36. Cooper MM. Progress in Cardiovascular Surgery, University of Nevada School of Medicine, Las Vegas, Nevada, August 27, 1996.
37. Cooper MM. Partial Left Ventriculectomy/The Batista Procedure. Cardiac Rehabilitation Department, Sunrise Hospital & Medical Center, Las Vegas, Nevada, August 22, 1997.
38. Cooper MM. Minimally Invasive Cardiac Surgery. Nephrology & Endocrine Associates, Las Vegas, Nevada, March 18, 1998.
39. Cooper MM. Cardiac Surgery. Medical Explorer Troop. MountainView Hospital, Las Vegas, Nevada, April 14, 1998.
40. Cooper MM. Central Venous Access. Nursing Educational Seminar. MountainView Hospital, Las Vegas, Nevada, April 21, 2000.
41. Cooper MM. Minimally Invasive AAA Therapy. Las Vegas Advances in Cardiology, MGM Grand Hotel, Las Vegas, Nevada, April 29, 2000.
42. Cooper MM. Medical Assistants. The Academy of Medical and Business Careers, Las Vegas, Nevada, November 16, 2000.
43. Cooper MM. Swan-Ganz Catheterization. Nursing Educational Seminar. MountainView Hospital, Las Vegas, Nevada, June 22, 2001.
44. Cooper MM. Diagnostic Thoracic Procedures. Summerlin Hospital, Las Vegas, Nevada, September 7, 2001.
45. Cooper MM. Endovascular Aneurysm Repair: Patient Follow-Up & Four-Year Data. *Ancure* Endovascular Training Course. Alexis Park Hotel, Las Vegas, Nevada, March 25, 2002.
46. Cooper MM. Peripheral Vascular Disease – Arterial & Venous. Summerlin Hospital, Las Vegas, Nevada, April 8, 2002.
47. Cooper MM. Endovascular Aneurysm Repair: A New Milestone. *Cardiovascular Grand Rounds*, St. Alphonsus Heart Center. Boise, Idaho, April 18, 2002.
48. Cooper MM. Peripheral Vascular Disease – Arterial & Venous. Summerlin Hospital, Las Vegas, Nevada, June 11, 2002.
49. Cooper MM. Abdominal Aortic Aneurysm Repair. Summerlin Hospital, Las Vegas, Nevada, June 12, 2002.
50. Cooper MM. Pulmonary Artery/Swan-Ganz Catheterization. Nursing Educational Seminar. St. Rose Hospital – Sienna, Henderson, Nevada, October 4, 2002.
51. Cooper MM. Postoperative Care of the Thoracic Surgical Patient. Summerlin Hospital, Las Vegas Nevada, December 2, 2002.

52. Cooper MM. Echocardiography – Anatomic and Clinical Correlates. Community College of Southern Nevada, Las Vegas, Nevada, May 5, 2005.
53. Cooper MM. Mediastinoscopy & Temporary Dialysis Access. In-Services, Department of Education, Surgical Services, Valley Hospital Medical Center, Las Vegas, Nevada, February 2, 2006.
54. Cooper MM. Crew Resource Management/LifeWings. American Medical Association Young Physicians Section, Las Vegas, Nevada, November 10, 2006.
- 55. Cooper MM. Patient Safety Symposium: Application of Aviation Safety Practices to Healthcare. The Society of Thoracic Surgeons, 43<sup>rd</sup> Annual Meeting San Diego, CA. January 31, 2007.**
56. Cooper MM. Aviation Based Safety Program – CV Performance Improvement Committee, Robert Wood Johnson Medical School, University of Medicine and Dentistry of New Jersey, New Brunswick, NJ. April 18, 2007.
57. Cooper MM. Aviation Based Safety Program – Steering Committee Patient Centered Education Program, Robert Wood Johnson Medical School, University of Medicine and Dentistry of New Jersey, Piscataway, NJ. April 18, 2007.
58. Cooper MM, Gore DA. Aviation Based Safety Program – Grand Rounds, Department of Surgery, University of California at San Francisco, San Francisco, CA. April 19, 2007.
59. Cooper MM. Pilots, Pyramids, and Patients: Crew Resource Management, Safety, Quality, and Efficiency in Health Care. The Directors' Memorial Lecture. The Reading Hospital and Medical Center. Reading, PA. October 3, 2007.
- 60. Cooper MM. Patient Safety Symposium: Situational Awareness, Decision Making, Conflict Resolution, Debriefing, Hardwired Safety Tools & Continuous Improvement. The Society of Thoracic Surgeons, 44th Annual Meeting, Ft. Lauderdale, FL. January 30, 2008.**
61. Cooper MM. System Orientation, Shared Mental Models, & Hardwired Safety Tools in Health Care. Cardiovascular Morbidity & Mortality Conference, Saint Francis Hospital, Tulsa, OK. May 28, 2008.
62. Cooper MM. Aviation Based Safety Program – Patient Safety Committee, Saint Francis Hospital, Tulsa, OK. August 13, 2008.
63. Cooper MM. Pre- Procedure Briefs and White Boards: Context in System Orientation and Application. Cardiovascular Conference, Saint Francis Hospital, Tulsa, OK, February 12, 2009.
64. Cooper MM. Developments & Care at the Saint Francis Heart Hospital. Tulsa Mended Hearts, Tulsa, OK. March 10, 2009.
65. Cooper MM. Cardiovascular Surgery – *Changes & Challenges*. Oklahoma Association of Cardiovascular Pulmonary Rehabilitation Annual Meeting, Saint Francis Hospital, Tulsa, OK, April 2, 2009.
66. Cooper MM. Warren Cardiothoracic & Vascular Institute. Warren Clinic Stillwater, Stillwater, OK. May 7, 2009.
67. Cooper MM. Warren Cardiothoracic & Vascular Institute. Warren Clinic McAllister, McAllister, OK. May 18, 2009.
68. Cooper MM. Warren Cardiothoracic & Vascular Institute. Warren Clinic Department of Family Practice, Tulsa, OK. August 11, 2009.

69. Cooper MM. Warren Cardiothoracic & Vascular Institute. Shadybrook Retirement Community, Tulsa, OK. November 10, 2009.
70. Cooper MM. Cardiothoracic Surgery – Cyclical Nature of Ideas – “Innovation,” Minimally Invasive Modifications, Borrowed Systems. Tulsa Mended Hearts, Tulsa, OK. July 13, 2010.
71. Cooper MM. Human Factors in Aviation – Advanced Concepts & Physiology. Guest Lecturer. Oklahoma State University. Tulsa, OK. February 17, 2011.
72. Cooper MM. Cardiovascular Surgery Unit within a Unit – Philosophy and Elite Teams. St. Joseph’s Hospital, HealthEast Care System, St. Paul, MN. March 29, 2011.
73. Cooper MM. Cardiovascular Surgery Unit within a Unit – Philosophy and Elite Teams. St. Joseph’s Hospital, HealthEast Care System, St. Paul, MN. March 30, 2011.
74. Cooper MM. Cardiovascular Surgery Unit within a Unit – Philosophy and Elite Teams. St. Joseph’s Hospital, HealthEast Care System, St. Paul, MN. May 12, 2011.
75. Cooper MM. SBAR Standardized Communications – *Minimum Essential Information*. St. Joseph’s Hospital, HealthEast Care System, St. Paul, MN. May 20, 2011.
76. Cooper MM. Hemodynamic Considerations in Postoperative Cardiac Patients. St. Joseph’s Hospital, HealthEast Care System, St. Paul, MN. May 27, 2011.
77. Emery RW, Cooper MM, Joyce DL. Over the Next Hill. Inaugural Arom Lecture. International Society for Minimally Invasive Cardiac Surgery. Washington, DC. June 10, 2011.
78. Cooper MM. Perioperative Optimization of Pump Function. HealthEast Cardiovascular Surgery Quarterly Conference, Morbidity & Mortality. St. Paul, MN. October 19, 2011.
79. Cooper MM. Mechanical Circulatory Assistance. St. Joseph’s Hospital, HealthEast Care System, St. Paul, MN. April 4, 2012.
80. Cooper MM. Mechanical Circulatory Assistance. St. Joseph’s Hospital, HealthEast Care System, St. Paul, MN. April 6, 2012.
81. Joyce DL, Cooper MM. Robotic Lobectomy in the Treatment of Lung Cancer. St. John’s Hospital, HealthEast Care System, Maplewood, MN. July 9, 2012.
82. Stroud C, Cooper MM. DataScout R- Research Ready Comprehensive Study Management. 3M Client Experience Summit, Salt Lake City, UT. April 30, 2014 x 2.
83. Cooper MM. Situational Awareness, Decision Making, & Targets. Machine Learning Research Group. 3M Health Information Systems, St. Paul, MN. November 5, 2014.
84. Cooper MM, Moon G. Simplify the ICD-10 Journey with 3M CodeRyte. 3M Client Experience Summit, Salt Lake City, UT. May 5, 2015.
85. Cooper MM. Clinical Documentation Improvement- Physician Presentation. Pocket Cards. Tenet Health Care Webinar. August 13, 2015.
86. Cooper MM. Patient Safety, Decision Making, & System Response. 3M Critical & Chronic Care Solutions Division, St. Paul, MN. August 18, 2016.
87. Cooper M et al. A Superabsorber Dressing: Building the Evidence (Poster). 2016 SAWC Fall.

88. Cooper MM. 3M & ExPO 2023 Minnesota World Fair. 3M Corporate Innovation Center, St. Paul, MN. March 20, 2017.
89. Cooper MM. Innovation, Discourse & Value. Executive Leadership Series Fall 2017, Minnesota State University, Mankato. September 11, 2017.
90. Cooper MM. Reducing Preventable Complication: Pressure Ulcers (IDN). 3M Corporate Innovation Center, St. Paul, MN. November 8, 2017.
91. Cooper MM, Garcia AD, Nix D, Pehrson J. Pressure Ulcer Prevention and Skin Teams: Best Practices and New Technologies. SAWC Spring, Charlotte, NC. April 27, 2018.
92. Cooper MM. 3M State of Science Initiative. 19<sup>th</sup> Wound Healing Foundation – 3M Fellowship Award. SAWC Spring, Charlotte, NC. April 27, 2018.
93. Cooper MM, Parks PJ. 3M Health Care Academy Live Webinar– State of skin: Elevating the science of skin management. St. Paul, MN. August 15, 2018.
94. Cooper MM. Augmented Human Cognition, Decision Making, & Performance. Keynote Address, T6 Virtual Hackathon. 3M Center. St Paul, MN. September 21, 2018.
95. Cooper MM. Wound & Skin Care. Chanel. 3M Innovation Center. St. Paul, MN. January 23, 2019.
96. Cooper MM, Stark JR. Heat Transfer. University of Minnesota Graduate School of Engineering. Minneapolis, MN. February 28, 2019.
97. Cooper MM. CHG: Fact, Fiction, & .... 3M Sydney, Aus. April 1, 2019.
98. Cooper MM. Health Care Solutions. Perth (via Skype), Aus. April 2, 2019.
99. Cooper MM. Investigator Sponsored Research Guidelines. 3M Sydney, Aus. April 3, 2019.
100. Cooper MM. Protecting Patients Against Microbial Contamination – Risks, Safety, and Efficacy of CHG in 2019. IVNZ. Miramar Golf Course. Wellington, NZ. April 5, 2019.
101. Cooper MM. CHG: Fact, Fiction, & ...Launceston General Hospital. Launceston, Tasmania. April 10 2019.
102. Cooper MM. Health Acquired Complications, *Skin Matters*, & ...AVATARS. Royal Brisbane and Women's Hospital. Brisbane, AUS. April 12, 2019.
103. Cooper MM. Med Tech Development: *Inspiration, Art, Technology, Clinical Need, & Capturable Value*. University of Minnesota Design for Medical Devices Innovation Workshop. University of Minnesota. Minneapolis, MN. April 15, 2019.
104. Cooper MM. Panel Member, 2019 Pediatric Device Breakthrough Collaborative: "Cracking the Partnership Code." Building Successful Industry-Academic Partnerships to Advance Pediatric Innovation. University of Minnesota Design for Medical Devices Conference. Minneapolis, MN. April 18, 2019.
105. Cooper MM. *Skin Matters* & Health Acquired Complications. The Wellman Institute. Massachusetts General Hospital. Harvard Medical School. April 23, 2019.
106. Cooper MM. Announcement 20<sup>th</sup> WHF- 3M Fellowship Award. SAWC Spring 2019. San Antonio, TX. May 9, 2019.

107. Cooper MM. Wound & Skin Care. Halyard Health. St. Paul, MN. June 20, 2019.
108. Cooper MM. Medical & Clinical Affairs: Medical & Pharm Pillar. St. Paul, MN. July 24, 2019.
109. Cooper MM. Safety, Decision Making, & System Response. 3M Manufacturing. Brookings, SD. August 12, 2019.
110. Cooper MM, Eggimann P. Evening with an Expert: Sharing Stories on the Path Towards Zero. AVA Conference. Paris Hotel, Las Vegas. October 5, 2019.
111. Cooper MM, Eggimann P. Industry Partner Showcase: 11 Years, 18,286 Patients & 155,242 Catheter-Days: An Evidence-Based Success Story of CLABSI Reduction. AVA Conference. Caesar's Palace, Las Vegas. October 6, 2019.
112. Cooper MM. Ideas to Medical Devices. Design of Medical Devices Conference Korea 2019. Seoul National University Hospital, Seoul. October 10, 2019.
113. Cooper MM. Med Tech Development: *Inspiration, Art, Technology, Clinical Need, & Capturable Value*. Design of Medical Devices Conference Korea 2019. Seoul National University Hospital, Seoul. October 11, 2019.
114. Cooper MM et al. Can Korean Medical devices go global? Panel Discussion and Q&A. Design of Medical Devices Conference Korea 2019. Seoul National University Hospital, Seoul. October 11, 2019.
115. Cooper MM. Innovations in Infection Prevention. 3M Sentara Infection Prevention Summit. 3M Innovation Center. Washington, DC. November 14, 2019.
116. Cooper MM. 3M Health Care Academy Town Hall Panel: How to Talk to OR Clinicians. 3M Center. St. Paul, MN. November 19, 2019.
117. Cooper MM. Augmented Human Performance. AMSUS Annual Meeting. National Harbor, MD. December 3, 2019.
118. Cooper MM. Inspiration, Art, Technology, Clinical Need, & Capturable Value. 7<sup>th</sup> Annual Fetal Center Think Tank. Houston, TX. December 12-13, 2019.
119. Cooper MM. Safety, Decision Making, & System Response. 3M Manufacturing, Columbia, MO. February 12, 2020.
120. Cooper MM. MSD Portfolio. 3M Global Medical Affairs Leadership Meeting. DFW, February 18, 2020.
121. Cooper MM. Innovation: Inspiration, Clinical Need, Technology, & Capturable Value. Planting Seeds of Innovation. Fifth Annual conference. University of Minnesota School of Nursing. Minneapolis, February 27, 2020 (x2).
122. Cooper MM. Innovation: Inspiration, Clinical Need, Technology, & Capturable Value. Master Class in Corporate Innovation (MGMT 6050), Carlson School of Management, The University of Minnesota. March 20, 2020.
123. Cooper MM. Systemic Patient Optimization & Perioperative Temperature Management. ANZCTS – Cardiothoracic Trainee Workshop. June 26, 2020.
124. Cooper MM and Feltis B. **Moderators**, 2020 Virtual Think Tank #8, Innovation Series. Fetal Therapy Think Tank. September 11, 2020.

125. [Innovation Best Practices of A Surgeon & A Pilot with ...](https://podcasts.io/podcasts/med-tech-gurus/...)  
<https://podcasts.io/podcasts/med-tech-gurus/...>  
**Innovation Best Practices of A Surgeon & A Pilot with Matthew Cooper MD Med Tech Gurus** English - February 17, 2021.
126. Cooper MM. Medical Study: Springboard to Exploration. HealthPartners Occupational Health Residency Training Program. February 24, 2021.
127. Cooper MM, Alli VV, Sonnier P. **Expert Panel.** The Future of Virtual First in the American Healthcare System. HITLAB Healthcare Innovation Technology Symposium. Columbia Business School. February 25, 2021.
128. Cooper MM. *Innovation, Capturable Value, & ...*Entrepreneurship Capstone, University of St. Thomas. ENT 450. March 23, 2021.
129. Cooper MM. Augmented Human Performance. University of Minnesota, Design of Medical Devices Conference. Emerging Technology Forum: Artificial Intelligence and Medical Devices; Emerging Technology Forum Panel Discussion. April 14, 2021.
130. Cooper MM. Global Medical & Patient Safety. 3M Global Medical Affairs Town Hall. May 11, 2021.
131. Cooper MM et al. *Comprehensive Infection Prevention* Intro/Overview & Moderator. APIC Virtual Symposium: Infection Prevention Best Practices and Evolving Priorities During a Pandemic. June 29, 2021.
132. Cooper MM. Chair, Cognitive Performance & Workload. Aerospace Medical Association 91<sup>st</sup> Annual Meeting. Denver, CO. September 1, 2021.
133. Cooper MM. Hypoxic Pulmonary Vasoconstriction & Congenital Heart Disease. Aerospace Medical Association 91<sup>st</sup> Annual Meeting August 28 – September 3, 2021. Denver, CO. September 2, 2021.
134. Cooper MM. Structural Heart Disease at Altitude. Civil Aviation Medical Association. Annual Scientific Meeting September 23-25, 2021. San Antonio, TX. September 24, 2021.
135. Cooper MM. Augmented Insight & Cognition. 3M Fall Innovation Conference 2021, Digital Biomarkers. November 3-4, 2021.
136. Cooper MM. Structural Heart Disease at Altitude. FAA Colloquium on Hypoxic Pulmonary Vasoconstriction. November 8, 2021.
137. Cooper MM. *SSI Prevention Strategy.* SSI Bundle Surgical Infection Prevention and Quality Improvement Workshop. Taiwan Hospital Association. Mackay Memorial Hospital, Taipei, Taiwan. December 10, 2021.
138. Cooper MM. **Panel,** Conversations in Ethical Leadership, Center for Legal Studies & Business Ethics, Spears School of Business, Oklahoma State University. Stillwater, OK. March 1, 2022.
139. Cooper MM. **Heroes of Healthcare. Augmenting Decision-Making with Medical Technology.** Dr. Matthew Cooper [@heroesofhealthcarepodcast](#). March 1, 2022.
140. Cooper MM. **Pursuit...**Keynote Address & 2022 Design of Medical Devices Conference Award. University of Minnesota. Minneapolis. April 12, 2022.

141. Cooper MM. ***In Pursuit of Optimized Peri-Operative Outcomes.*** Delivered Symposium, Dr. Matthew Cooper. Association of Veterans Affairs Surgeons (AVAS). 45<sup>th</sup> Annual Surgical Symposium. Pittsburgh, PA. April 26, 2022.
142. Cooper MM. Panelist & Written Submission. FDA Wound Healing Workshop. April 28 & 29, 2022.
142. Cooper MM. Colonel Harold V. Ellingson Award Presentation. Aerospace Medicine Associate Fellows Group. Reno, NV. May 24, 2022.
143. Cooper MM. **Panel, *Technology Evolution & Impact in Reducing VA Complications.*** 2022 Asia Leadership Encounter in Vascular Access (ALEVA). Singapore, July 16, 2022.
144. Cooper MM. Medical Solutions Plus Portfolio, Directors Panel, & Moderator, Fireside Chat. 3M Global Medical & Clinical Affairs. St. Paul, MN. September 15, 2022.
145. Cooper MM. Expanding Participation in Flight & Space: Implications for Preparing those with Abnormal Physiology. ICAM 2022. 1<sup>st</sup> International Conference of Aerospace Medicine. Center Des Congres De La Villette, Paris, France. September 22, 2022.
146. Cooper MM. "To Be or To Do": John Boyd and Effective Action – Relevance Persists. ICAM 2022. 1<sup>st</sup> International Conference of Aerospace Medicine. Center Des Congres De La Villette, Paris, France. September 21-22, 2022.
147. Cooper MM. SSI Prevention Strategy. Australasian International Breast Congress. Brisbane, Australia, October 15, 2022.
148. Cooper MM. Core Culture & Product Attributes. Design of Medical Devices Conference Korea 2022. POSTECH, Pohang. October 27, 2022.
149. Cooper MM. Pursuit. 15<sup>th</sup> Annual Earl E. Bakken Symposium Speaker Dinner. University of Minnesota, Minneapolis MN. November 17, 2022.
150. Cooper MM, Foley J. The High Performance Zone Podcast with John "Gucci" Foley. November 18, 2022. <https://youtu.be/c59kqTywJbY>.
151. Cooper MM. Performance & Generational Achievement. **Keynote Speaker & Session Moderator.** Aerospace Medicine and Technology Symposium. 3M Tech Forum. St. Paul, MN, February 17, 2023.
152. Cooper MM et al. **MHA Health Ecosystems Panel Member:** Trends that are transforming the medical Device industry and impact to device usability, reliability, and safety. University of Minnesota Executive MHA Program. Minneapolis, MN, February 20, 2023.
153. Cooper MM. Bakken Medical Device Center Future. University of Minnesota. Minneapolis, MN, February 24, 2023.
154. Cooper MM. **Introductory Speaker and Panel Member.** The Future of Digital Health. 2023 Society for Industrial and Applied Mathematics (SIAM) International Conference on Data Mining. Minneapolis, MN. April 27, 2023.
155. Cooper MM. The Future is Here. Civil Aviation Medical Association Sunday. Aerospace Medical Association 93<sup>rd</sup> Annual Scientific Meeting. New Orleans, LA. May 21, 2023.
156. Cooper MM. Colonel Harold V. Ellingson Award Presentation. Aerospace Medicine Associate Fellows Group. Aerospace Medical Association 93<sup>rd</sup> Annual Scientific Meeting. New Orleans, LA. May 23, 2023.

157. Cooper MM. ciNPT Should be Standard of Care in Revision Arthroplasty +. Rochester Revision Course. International Orthopaedic Education Network. Mayo Clinic. Rochester, MN, June 16, 2023.
158. Cooper MM. The Future is Here. FAA Civil Aerospace Medical Institute Group Meeting. Oklahoma City, OK. July 18, 2023.
159. Cooper MM. Global Medical & Clinical Affairs: SpinCo & Strategy Update & Leadership Panel. 3M Faculty Day. Dallas-Fort Worth. August 18, 2023.
160. Cooper MM. Closed Incision Negative Pressure Therapy Consensus: International Multidisciplinary Surgical Specialty Publication Panel. Chicago. September 8-9, 2023.
161. Cooper MM. Executive MedTech Roundtable: AI and Enterprise Evidence Management Driving Innovation. DistillerSR/Canadian Consulate. Minneapolis, MN. September 14, 2023.
162. Cooper MM. The Future of Digital Health. Keynote/Plenary & Video. 10<sup>th</sup> Annual American Medical Device Summit. Westin Chicago, IL. September 25-27, 2023.
163. Cooper MM. Welcome & Closed Incision Negative Pressure Therapy Consensus in Cardiac Surgery. Double Tree Hotel Business Bay, Dubai, UAE. October 6 & 7, 2023.
164. Cooper MM. Panel, Passive Data from Devices can Improve Patient Outcome. MD&M/Advanced Manufacturing Minneapolis. Minneapolis Convention Center, MN. October 11, 2023.
165. Cooper MM. NPWT Made Simple. Amsterdam, NL. November 13-14, 2023.
166. Cooper MM. Medical Affairs, Corporate Health, & Safety. GMCA Town Hall. December 7, 2023.
167. Cooper MM. Chief Medical Officer Presentation & Patient-Provider Testimonial. 3M 2024 Medical Solutions Division USAC Training Meeting. Denver, CO. January 16, 2024.
168. Cooper MM. Negative Pressure Wound Therapy FDA Informational Meeting. Washington, D.C. February 7, 2024.
169. Cooper MM. Medical Affairs, Corporate Health, & Safety: Strategic Plans. Global Medical & Clinical Affairs Operational Planning Meeting. St. Paul, MN. February 21-22, 2024.
170. Cooper MM et al. Environmental Sustainability (Panel). 23rd Annual Design of Medical Devices Conference 2024. University of Minnesota, Minneapolis, MN. April 10, 2024.
171. Cooper MM. Successful Engine Out Landing. Probable Cause: Dan Gryder. YouTube. May 12, 2024.
172. Cooper MM et al. Best Practices for Enterprise Evidence (Panel). MedTech Event: EU MDR Regulatory Updates and Best Practices for Evidence Management. Hyatt Centric Downtown Minneapolis. June 5, 2024.
173. Cooper MM. The life of an open heart surgeon (podcast). STEM Pathways with Rohan Sharma. Podcasters.spotify.com. July 25, 2024.
174. Cooper MM. "From Cockpit to OR: Surgical Precision and Team Performance With Dr. Matt Cooper." *No Way Out*. Podcast # 114. April 2, 2025.  
<https://open.spotify.com/episode/4PFW0Ki3fXu078GgHf92MP?si=vBVXTT9gR7-4TiC7N7rllw>



175. Cooper MM. Unblinded Heart of Influence, Western Region Heroes in Healthcare and Business with Sean Callagy. April 15, 2025
176. Cooper MM. "G-LOC Prevention" @ Pylon Racing Seminar, National Championship Air Races. Roswell, NM. May 18, 2025.
177. Cooper MM. "G-LOC Prevention" @ Pylon Racing Seminar, National Championship Air Races. Roswell, NM. May 20, 2025.
178. Cooper MM, McGrath M, Rivera B. Adaptive Learning, Optimized Human Performance, & Successful Navigation of Change in Healthcare. ACHE 2026 Congress on Healthcare Leadership. Houston, TX. March 2026. Submitted for Presentation.
179. Cooper MM et al. "Would You Fly With This Pilot?" Aerospace Cardiology. Aviation Medical Examiner Seminar: Aerospace Medicine Refresher. Mayo Clinic. Rochester, MN. August 1, 2025.
180. Cooper MM. Aerospace Cardiology. Aviation Medical Examiner Seminar: Aerospace Medicine Refresher. Mayo Clinic. Rochester, MN. August 1, 2025.
181. Cooper MM. "G-LOC Prevention" @ National Championship Air Races. Roswell, NM. September 5, 2025.
182. Cooper MM. "G-LOC Prevention" @ National Championship Air Races. Roswell, NM. September 6, 2025.
183. Cooper MM. "G-LOC Prevention" @ National Championship Air Races. Roswell, NM. September 7, 2025 #1.
184. Cooper MM. "G-LOC Prevention" @ National Championship Air Races. Roswell, NM. September 7, 2025 #2.
185. Cooper MM. "In Pursuit of Enhanced Performance: from Theory to Practice." Experimental Aviation Association, Chapter #54. Lake Elmo, MN. November 10, 2025.
186. Cooper MM. "Enhanced Performance & Safety: from Theory to Practice." General Aviation Safety Summit [Inaugural]. Orlando, FL. January 3, 2026.

## **LIFEWINGS ACTIVITIES & PRESENTATIONS**

1. Cooper MM. Aviation & High Reliability-Based Facilitator/Consultant Training. LifeWings Partners LLC, Memphis, TN. June 11-17, 2006.
2. Cooper MM. Aviation & High Reliability-Based Risk Assessment - North Central Bronx & Jacobi Hospitals, Bronx, NY. September 17-20, 2006.
3. Cooper MM. Aviation-Based Hardwired Safety Tools Workshop– Vassar Brothers Medical Center, Poughkeepsie, NY. October 3-6, 2006.
4. Cooper MM. Aviation & High Reliability-Based Risk Assessment – Holy Cross Hospital, Taos, NM. October 16-18, 2006.
5. Cooper MM. Aviation & High Reliability-Based Leadership Training – Community Health Partners, Lorain, OH. October 30, 2006.
6. Cooper MM. Aviation & High Reliability-Based Skills Workshop – Jacobi Hospital, Bronx, NY. November

1-2, 2006.

7. Cooper MM. Crew Resource Management/LifeWings. American Medical Association Young Physicians Section, Las Vegas, Nevada, November 10, 2006.
8. Cooper MM. Aviation-Based Hardwired Safety Tools Workshop – Holy Cross Hospital, Taos, NM. November 14-16, 2006.
9. Cooper MM. Aviation & High Reliability-Based Risk Assessment – Community Health Partners, Lorain, OH. November 30 – December 1, 2006.
10. Cooper MM. Aviation & High Reliability-Based Skills Workshop – Vanderbilt Children's Hospital, Nashville, TN. December 18-20, 2006.
11. Cooper MM. Aviation & High Reliability-Based Skills Workshop – Community Health Partners, Lorain, OH. January 15-17, 2007.
- 12. Cooper MM. Patient Safety Symposium: Application of Aviation Safety Practices to Healthcare. The Society of Thoracic Surgeons, 43<sup>rd</sup> Annual Meeting, San Diego, CA. January 31, 2007.**
13. Cooper MM. Aviation-Based Hardwired Safety Tools Workshop - Community Health Partners, Lorain, OH. February 6-8, 2007.
14. Cooper MM. Aviation-Based Hardwired Safety Tools Implementation & Skills Workshop - Community Health Partners, Lorain, OH. February 20, 2007.
15. Cooper MM. Aviation & High Reliability-Based Observation, Coaching & Feedback - Tools - Community Health Partners, Lorain, OH. March 12-13, 2007.
16. Cooper MM. Aviation Safety & High Reliability-Based Physician Presentation – UCSD, San Diego, CA. March 14, 2007.
17. Cooper MM. Aviation & High Reliability-Based Observation, Coaching & Feedback - Tools – Holy Cross Hospital, Taos, NM. March 26-28, 2007.
18. Cooper MM. Aviation & High Reliability-Based Risk Assessment – Middle Tennessee Medical Center, Murfreesboro, TN. April 16-17, 2007.
19. Cooper MM. Aviation Based Safety Program – CV Performance Improvement Committee, Robert Wood Johnson Medical School, University of Medicine and Dentistry of New Jersey, New Brunswick, NJ. April 18, 2007.
20. Cooper MM. Aviation Based Safety Program – Steering Committee Patient Centered Education Program, Robert Wood Johnson Medical School, University of Medicine and Dentistry of New Jersey, Piscataway, NJ. April 18, 2007.
21. Cooper MM, Gore DA. Aviation Based Safety Program – Grand Rounds, Department of Surgery, University of California at San Francisco, San Francisco, CA. April 19, 2007.
22. Cooper MM. Aviation Based Leadership Training/Skills Workshop. University of California at San Francisco, San Francisco, CA. April 19, 2007.
23. Cooper MM. Aviation Based Safety Program – Oregon OB Collaborative Symposium, Portland, OR. April 20-21, 2007.

24. Cooper MM. Aviation & High Reliability-Based Skills Workshops – St. Luke's Hospital/Texas Heart Institute, Houston, TX. May 22-24, 2007.
25. Cooper MM. Aviation & High Reliability-Based Skills Workshops – St. Luke's Hospital/Texas Heart Institute, Houston, TX. June 5-7, 2007.
26. Cooper MM. Aviation-Based Hardwired Safety Tools Workshop – St. Luke's Hospital/Texas Heart Institute, Houston, TX. July 10-13, 2007.
27. Cooper MM. Implementation Aviation-Based Hardwired Safety Tools – St. Luke's Hospital/Texas Heart Institute, Houston, TX. July 10-13, 2007.
28. Cooper MM. Pilots, Pyramids, & Patients. 2007 AirVenture Oshkosh, Experimental Aviation Association, July 23, 2007.
29. Cooper MM. Aviation & High Reliability-Based Leadership Development Institute – University of California, Irvine. Department of Surgery, August 13-14, 2007.
30. Cooper MM. Good to Great. LifeWings Instructor Summit. August 23-25, 2007, Memphis, TN.
31. Cooper MM. Aviation & High Reliability-Based Skills Workshops – University of California, San Diego. August 29, 2007.
32. Cooper MM. Courseware Development. LifeWings Partners, LLC. Memphis, TN. September 4, 2007.
33. Cooper MM. Aviation & High Reliability-Based Skills Workshops – University of California, San Diego. September 6-8, 2007.
34. Cooper MM. Aviation & High Reliability-Based Skills Workshops – University of California, San Diego. September 17, 2007.
35. Cooper MM. Pilots, Pyramids, and Patients: Crew Resource Management, Safety, Quality, and Efficiency in Health Care. The Directors' Memorial Lecture. The Reading Hospital and Medical Center. Reading, PA. October 3, 2007.
36. Cooper MM. Aviation-Based Hardwired Safety Tools Workshop – Memorial Healthcare System, Hollywood, FL. October 9-12, 2007.
37. Cooper MM. Lean Seminar with Matthew May, Toyota University, LifeWings Partners, LLC. Memphis, TN. October 23, 2007.
38. Cooper MM. Measurement Workshop with Dr. Eduardo Salas, LifeWings Partners, LLC. Memphis, TN. November 2, 2007.
- 39. Cooper MM. Patient Safety Symposium: Situational Awareness, Decision Making, Conflict Resolution, Debriefing, Hardwired Safety Tools & Continuous Improvement. The Society of Thoracic Surgeons, 44th Annual Meeting, Ft. Lauderdale, FL. January 30, 2008.**
40. Cooper MM, Harden S. Implementing Best Practices from Aviation and Other High Reliability Organizations to Improve Patient Safety & Quality. St. Francis Hospital, Roslyn, NY. November 18, 2008.
41. Cooper MM. Aviation & High Reliability-Based Team Skills Workshop x 2 – Holy Cross Hospital, Taos, NM. May 21, 2012.

## MISCELLANEOUS

1. Cooper MM. *Commentary on the Treatment of Coronary Artery Disease*. KTNV TV, News 13 Inside Las Vegas, January 20, 2000.
2. Cooper MM. *Endovascular repair of abdominal aortic aneurysms*. KTNV TV, News 13, Las Vegas, February 13, 2000.
3. Cooper MM. *Endovascular repair of abdominal aortic aneurysms*. KTNV TV, Channel 13, *Good Morning Las Vegas*, February 15, 2000.
4. *Healthcare Outcomes: The Present and the Future*, Second Annual Health Outcomes Conference, The Phoenix Group, Scottsdale, AZ, April 3-4, 2000.
5. Listed in *Guide to Top Doctors*, Center for the Study of Services. Based on recommendations of professional peers.
6. *Course Director, Ancure Endovascular Training Course*. Alexis Park Hotel, Las Vegas, Nevada, March 25, 2002.
7. Cooper MM. *Endovascular repair of abdominal aortic aneurysms*. KTNV TV, Channel 13, April 15, 2003.
8. Cooper MM. *Endovascular repair of abdominal aortic aneurysms*. KLAS TV, Channel 8, June 11, 2003.
9. Cooper MM. *Endoscopic vessel harvest*. KLAS TV, Channel 8, January 29, 2004.
10. Cooper MM. *Coronary artery bypass surgery*. KLAS TV, Channel 8, September 3, 2004.
11. Cooper MM. *Pulmonary decortication following coronary artery bypass surgery*. KLAS TV, Channel 8, March 10, 2005.
12. Cooper, MM. *Transient ischemic attacks*. KLAS TV, Channel 8, August 19, 2005.
13. Cooper MM. *Aerobic Doctor*. KNPR, Nevada Public Radio, August 26, 2005.
14. Cooper MM. *Diabetes & Heart Disease*. KLAS TV, Channel 8, July 28, 2006.
15. Cooper MM. *Deep vein thrombosis*. KLAS TV, Channel 8, March 8, 2007.
16. Member, Gerson Lehrman Group Healthcare Council – Educator Program.
17. Principal, *Cojones Gear*.
18. Senior Advisor, *Hypermedical Inc.*
19. Cooper MM. Conflict Resolution Workshop, Celebrity City Chorus, Las Vegas, NV, July 18, 2007.
20. Cooper MM. ICU Nursing Cardiac Surgery Educational Symposia. Saint Francis Health System, Tulsa, OK. June 17 & 24, 2010.
21. Cooper MM. SBAR Communication in a Skilled Nursing Facility. Tulsa Jewish Retirement & Health Care Center, Tulsa, OK. January 2011.

22. Cooper MM. HealthEast Care System Cardiovascular Research Capabilities, Experience, Expertise. St. Joseph's Hospital, St. Paul MN. July 27, 2012.
23. Cooper MM. Error Trajectory, Closed Loop Communication, & Donor/Patient Safety. CSL Plasma, Bloomington, MN. October 1, 2014.
24. Cooper MM. Seizures. CSL Plasma, Bloomington, MN. November 19, 2014.
25. Cooper MM. Schizophrenia & Schizoaffective Disorder. CSL Plasma, Bloomington, MN. December 17, 2014.
26. Cooper MM. Protein electrophoresis. CSL Plasma, Bloomington, MN, January 21, 2015.
27. Cooper MM. Piercings & Tattoos. CSL Plasma, Bloomington, MN. February 18, 2015.
28. Cooper MM. Tachycardia. CSL Plasma, Bloomington, MN. March 12, 2015.
29. Cooper MM. Deep Tendon Reflexes. CSL Plasma, Bloomington, MN. April 22, 2015.
30. Cooper MM. Topical Pain Remedies: OTC & Other. CSL Plasma, Bloomington, MN. May 13, 2015.
31. Cooper MM. Intravascular volume depletion. CSL Plasma, Bloomington, MN. July 15, 2015.
32. Cooper MM. Airway & Respiratory Considerations for Donation. CSL Plasma, Bloomington, MN. August 19, 2015.
33. Cooper MM. Infectious Considerations for Donation. CSL Plasma, Bloomington, MN. October 21, 2015.
34. Cooper MM. Cardiac Triage Assessment. CSL Plasma, Bloomington, MN. November 11, 2015.
35. Cooper MM. The Socioeconomics of Donation. CSL Plasma, Bloomington, MN. December 16, 2015.
36. Cooper MM. Shellfish & Iodine Allergy. CSL Plasma, Bloomington, MN. April 23 & 25, 2016.
37. Cooper MM. Zika virus. CSL Plasma, Bloomington, MN. June 13, 2016.
38. Cooper MM. Abdominal Examination. CSL Plasma, New Hope, MN. November 22, 2016.
39. Cooper MM. Abdominal Examination. CSL Plasma, Bloomington, MN. December 13, 2016.
40. Cooper MM. Shellfish & Iodine Allergy. CSL Plasma, New Hope, MN. December 21, 2016
41. Cooper MM. Shellfish & Iodine Allergy. CSL Plasma, St. Paul, MN. February 27, 2017.
42. Cooper MM. Airway & Respiratory Considerations for Donation. CSL Plasma, New Hope, MN. March 16, 2017.
43. Cooper MM. Wound Healing Foundation 3M Fellowship Award. SAWC, San Diego, CA. April 7, 2017.
44. Cooper MM. Skin Integrity & Advanced Wound Care: *Meet What's Next!* SAWC, San Diego, CA. April 7, 2017.
45. Cooper MM. Bites from Friends. CSL Plasma, Bloomington, MN. June 15, 2017.
46. Cooper MM. Bites from Friends. CSL Plasma, St. Paul, MN. June 26, 2017

47. Cooper MM. The Socioeconomics of Donation. CSL Plasma, New Hope, MN. July 27, 2017.
48. Cooper MM. Cold Weather & Plasma Donation. CSL Plasma, Bloomington, MN. January 16, 2018.
49. Cooper MM. Cold Weather & Plasma Donation. CSL Plasma, Minneapolis, MN. January 17, 2018.
50. Cooper MM. Cold Weather & Plasma Donation. CSL Plasma, New Hope, MN. January 23, 2018.
51. Cooper MM. Cold Weather & Plasma Donation. CSL Plasma, St. Paul, MN. January 24, 2018.
52. Cooper MM. Seizures. CSL Plasma, Bloomington, MN. May 22, 2018.
53. Cooper MM. The Socioeconomics of Donation. CSL Plasma, Minneapolis, MN. June 13, 2018.
54. Cooper MM. All-State Musicians and Support of Music in Our Schools. Stillwater Area School Board. March 3. 2022.

## **ADDITIONAL CERTIFICATIONS**

Six Sigma Green Belt  
 Advanced Green Belt, Lean, & Project Management Training  
 ScrumMaster and Certified Product Owner (Agile; Scrum, Inc. & Evolve Beyond)  
 Center Medical Director, Lab Director, Technical Director  
     - COLA Laboratory Director  
 CITI (Collaborative Institutional Training Initiative) IRB & Investigator  
 Senior Aviation Medical Examiner  
 Certificated Flight Instructor  
 F.F.I.  
 F.A.S.T.  
 SCUBA

## **ADDITIONAL TRAINING & INTERESTS**

Apico-Aortic Aortic Valve Bypass for Critical Aortic Stenosis

Robotic & Minimally Invasive Cardiac Surgery

Partial Left Ventriculectomy

Homografts & Stentless Prostheses

Minimally Invasive Stand-Alone Atrial Fib Ablation

Aortic Endograft Procedures including Debranching & Fenestrations – Thoracic & Abdominal

Trans Myocardial Laser Revascularization (TMR)

System Evolution

- Patient Safety, Quality & Efficiency of Care
- Lean Methodology
- Medical Simulation, Debriefing, Conflict Resolution
- Decision making

Impella Ventricular Assist Device Training. St. Joseph's Hospital, St. Paul, MN. 2012.

Minimally Invasive/Robotic Thoracic Surgery Tutorial, Mark Dylewski, MD, Miami, FL, 2012.

Symposium on Aortic Reconstruction (SOAR). Minneapolis, MN. November 2, 2011.

Medtronic 3f Aortic Bioprosthesis Implant Training. John Oswalt, MD. St. Joseph's Hospital, St. Paul, MN, Sept 8, 2011.

Minimally Invasive Valve Surgery & Surgical Ablation Techniques. Marc Sakwa, MD, Frank Shannon, MD, Phillip Robinson, MD. William Beaumont Hospital. April 19-20, 2011.

Tandem Heart Mechanical Circulatory Support Training. Texas Heart Institute, Houston, July 19-20, 2010.

Aortic Valve Bypass/Apico-Aortic Conduit Training, John Brown, MD, Indiana University, April 20, 2010.

Stand-Alone Surgical Ablation Training Program, Stephen Clayson, MD, Intermountain Medical Center, Salt Lake City, UT, September 20-21, 2009.

Minimally Invasive/Robotic Mitral Valve Repair Tutorial, A. Marc Gillinov MD, Cleveland Clinic, May 27-28, 2009.

Medtronic Talent Thoracic Stent Graft Training Program, April 25, 2009.

Stand-Alone Surgical Ablation Training Program, Stephen Clayson, MD, Intermountain Medical Center, Salt Lake City, UT, January 19, 2009.

Thoratec PVAD Surgical Training Program, Mark Slaughter, MD, The Cardiovascular Innovation Institute, University of Louisville, Louisville, KY, January 15, 2009.

Advanced Thoracoscopic Techniques: 2009 VATS Lobectomy Preceptorship, Robert McKenna, Jr., MD, Cedars-Sinai Medical Center, West Hollywood, CA, January 11-12, 2009.

Mitral Valve Repair Symposium, K. Accola MD. Wichita, KS, 5/2/2008.

Mitral Valve Repair Tutorial, S. Bolling MD. University of Michigan, 1/24/2008.

Endoscopic Vein Harvest

EHR Evaluation 2010, 2012 (HealthEast)

## **INTELLECTUAL PROPERTY**

(83073US002) NON-ADHESIVE MEDICAL ATTACHMENT ARTICLES

N075796; 84474US002 FIXATION TO SKIN WITH MICRONEEDLES

## AVIATION RELATED

**Embry-Riddle Aeronautical University.** Credentialing in process to join part-time faculty.

### **Certified Flight Instructor**

### **Special Consultant to the Federal Air Surgeon in Cardiology, 2012 –**

**Consultant/Participant** - Pursuing a State Safety Program Pilot Medical Fitness Reference Model: I. Defining and Documenting Population Risk of Sentinel Incapacitating Events

### **2023 Audie and Bernice Davis Award. Civil Aviation Medical Association**

- Award recognizes an outstanding Aviation Medical Examiner

### **FAA Designated Senior Aviation Medical Examiner**

CAMA Aviation Medical Examiner Refresher. Spokane, WA – September 18-19, 2025  
 Aviation Medical Examiner Refresher Training Course. Nashville, TN – January 24-26, 2025  
 Aviation Medicine – September 19-21, 2024  
 CAMA AMR Refresher – April 12-14, 2024  
 CAMA AME Update Seminar – September 22-24, 2022  
 CAMA AME Update Seminar – September 23-25, 2021  
 Multimedia AME Refresher Course 3 (MAMERC) – September 14, 2020  
 AME Refresher Seminar for Aviation Medical Examiners. Denver, CO – September 22-24, 2017  
 Multimedia AME Refresher Course (MAMERC) – November 25, 2016

Member. EAA Aeromedical Advisory Council, 2024 –

Aerospace Medicine Consultant to National Championship Air Races. 2025 -  
 Member & Judge, Contest Committee, National Championship Air Races. 2025 -  
 Subject Matter Expert for "G-LOC." National Championship Air Races. 2025 -  
 SIDA Federal Security Certification. Roswell Air Center, Roswell, NM. 2025 -  
 "G-LOC Prevention", Pylon Racing Seminar, National Championship Air Races. Roswell, NM.  
 May 18 & 20, 2025.

"G-LOC Prevention", National Championship Air Races. Roswell, NM. September 5, 6, 7 2025.  
 Consultant, Casualty & Medical Preparedness, National Championship Air Races. 2025 -

Senior Consultant, LifeWings Partners, LLC, 2006-2012

Fellow, Aerospace Medical Association

Nominated for Member-at-Large, 2026  
 Vice Chair, Aerospace Safety Committee  
 Vice Chair, ad hoc Safety Committee re Military Aviation Safety  
 Vice Chair, Science & Technology Committee  
 Aerospace Human Performance Committee  
 Chair, Ellingson Award Committee  
 Deputy Chair, Ellingson Award Committee, 2021-2022.  
 Ad Hoc Scholarship Committee  
 Aerospace Human Factors Association  
 Space Surgery Association

AsMA Scientific Program Committee & Scientific Abstract Reviewer, 2024 –

Cooper MM & AsMA Aviation Safety Committee. AsMA Draft Resolution 2024-02: Establish a new Defense Safety Agency (DSA) to Connect Military Safety to Military Requirements. January 31, 2025.



**Chair**, *G-Factors* Session, AsMA Annual Scientific Meeting. Atlanta, GA. June 2, 2025.

Fellow, Civil Aviation Medical Association  
Trustee, Civil Aviation Medical Association  
Space Medicine Committee

International Aerospace Neurology Consortium

Fellow Member, International Association for the Advancement of Space Safety (IAASS)

AMSRO Mentor

Commercial Instrument Aircraft Single & Multi Engine Land, Single Engine Sea  
Low Altitude Aerobatic Waiver  
Statement of Acrobatic Competency, FAA  
Tailwheel Experienced

F.F.I. Certified  
F.A.S.T. Certified

Aircraft Owners and Pilots Association  
Experimental Aviation Association  
International Aerobatic Club  
National Association of Flight Instructors  
Red Star Pilots Association  
Minnesota Pilots Association

Seaplane Pilots Association  
T-34 Association  
Flying Physicians Association  
Clark County Aviation Association  
Pilot, EAA Young Eagles  
*Flying* Magazine, reader-advisor panel

## INTERESTS

Avian rescue – Personal flock of 50+ parrots  
Krav Maga

Candidate for Stillwater Area School Board – 2018  
Stillwater Area School related initiatives ongoing

M.A.A.R.S. (Midwest Avian Adoption & Rescue Services) Volunteer  
United Way Volunteer  
University of Minnesota Raptor Center  
Stillwater Middle School 2<sup>nd</sup> Annual Speed STEM. February 5, 2019.

Polar Plunge 2022, 2023

Automobile & Motorcycle Racing  
Music - Clarinet and Saxophone  
Valley Concert Winds – Solo Clarinet/Concert Master 2023  
Afton Schooner Band – 2023 -  
Century College Band – 2023  
River Valley Band – 2024 -

River Valley Community Orchestra – 2025  
 Minnesota State Band – 2025 -  
 AirVenture Concert Band – Concert Master 2025 -  
 Skiing, Biking, Scuba Diving, Racquetball

## **BOARD MEMBERSHIP**

Pilot Medical Solutions, Inc. – LeftSeat.com. 2026 -  
 NextGen Invent – Advisor. 2025 -  
 Needle Calm – Executive VP & Chief Medical Officer. 2024 -  
 NuraLogix - 2024 -  
 Biome Analytics Advisory Board  
 Thermal Armour  
 Lavior Pharma Scientific Advisory Board. 2023 - 2025

## **Non Profit**

Trustee, Civil Aviation Medical Association (CAMA); Executive Board. 2024 –  
 Pediatric Device Innovation Consortium. 2024 –  
 MBA Advisory Board, Spears School of Business, Oklahoma State University. 2023 -  
 Fetal Health Foundation. 2021 –

Industrial Advisory Board of the Institute for Engineering in Medicine, University of Minnesota. 2018-2024  
 BIZAA (Basic Institute of Zonal African Advancement) Nigerian Educational Initiative. 2019 – 2023  
 The Gabriel Foundation. Aspen, Co. 1999-2002