

## **CURRICULUM VITAE**

Russell Kahn Gore MD, FAAN

Director, Complex Concussion Clinic  
Medical Director, SHARE Military Initiative  
Shepherd Center, Atlanta

Chief Medical Officer  
Avalon Action Alliance

Adjunct Associate Professor  
Wallace H. Coulter Department of Biomedical Engineering  
Georgia Institute of Technology and Emory University

### **Contact Information**

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Atlanta, GA 30309  
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### **Education**

1993 High School Diploma, Woodward Academy (Suma Cum Laude)  
1997 B.E., Biomedical Engineering, Vanderbilt University (Magna Cum Laude)  
Honors in Biomedical Engineering, Thesis Advisor - Robert Galloway  
Ph.D., "Fusion of Anatomic and Electrophysiologic Information for  
Image- Guided Neurosurgery"  
2001 M.D., Emory University School of Medicine

### **Post Graduate Education and Training**

2001-2002 Internship, Emory University School of Medicine  
2010-2013 Residency, Neurology, Emory University School of Medicine  
2011-2013 R25 Research Fellow, Georgia Institute of Technology  
Research Mentor – Ravi Bellamkonda Ph.D.  
2013-2014 Fellowship, Oto-Neurology/Neurophysiology, Emory University  
Clinical Mentor – Ronald Tusa M.D. Ph.D.  
2013-2014 Research Fellowship, Emergency Neurosciences, Emory/GT/GTRI  
Research Mentor – David Wright M.D.



2004	Top Knife, High Performance Medicine Course (Distinguished Graduate)
2005	F15E, Weapons Systems Officer, Aircrew Upgrade Course
2006	Advanced Trauma Life Support, Royal College of Surgeons
2007	Transatlantic Landing Site, Space Operations Medical Support Training

### **Professional Society Memberships**

2001-present	<b>Associate Fellow</b> , Aerospace Medical Association
2002-2010	Member, Association of United States Air Force Flight Surgeons
2010-present	<b>Fellow</b> , American Academy of Neurology
2014-present	Member, Sports Neurology Section, American Academy of Neurology
2015-present	Member, American College of Rehabilitation Medicine

### **Honors and Awards**

1995	American Legion Academic Excellence Award
1996	Tau Beta Pi Engineering Honor Society
1996	Vanderbilt Undergraduate Summer Research Scholar
1996	Armed Forces Communications & Electronics Association Scholar
1997	USAF Health Professions Scholarship
1997	Thomas G. Arnold Award for Biomedical Engineering Research
2002	Emory House Staff Teaching Award
2006	Flight Surgeon of the Year, U.S. Air Forces Europe
2008	USAF Nominee, Mission Specialist, NASA Astronaut Program
2009	Outstanding Achievement in Clinical Research, 711 Human Performance Wing, Air Force Research Laboratory
2009	Operational Flight Surgeon Safety Award, USAF Materiel Command
2011	R25 Training Grant, National Institute of Neurological Disease and Stroke
2012	Associate Fellow, Aerospace Medical Association
2013	Groundbreaker Award, DETECT Research Team, Atlanta Magazine
2014	NFL/GE/Under Armour Head Health Challenge II, Co-investigator
2015	Norman Fries Distinguished Lecture, Georgia Southern University
2016	Keynote Speaker, Veteran's Day Convocation, Woodward Academy
2017	Keynote Speaker, Vetlanta Summit 2017
2018	Keynote Speaker, Back at Home Symposium, Kennesaw State University
2018	Outstanding Clinical Educator Award, Georgia State University
2019	Outstanding Presentation Award, American Society of Neuroradiology
2021	Fellow, American Academy of Neurology
2024	Atlanta Magazine, Atlanta's Top Doctors
2024	Honoree, Andee's Army Child Brain and Spinal Cord Injury Foundation
2025	Veteran Impact Award, The Warrior Alliance

### **Military Decorations**

Meritorious Service Medal with 1 Oak Leaf Cluster  
 Meritorious Unit Award

AF Outstanding Unit Award with 2 Oak Leaf Clusters  
 Combat Readiness Medal  
 National Defense Service Medal  
 Iraq Campaign Medal with 1 Service Star  
 Global War on Terrorism Service Medal  
 Air Force Overseas Ribbon Long  
 Air Force Expeditionary Service Ribbon with Gold Border  
 Air Force Longevity Service  
 Small Arms Expert Marksmanship Ribbon  
 Air Force Training Ribbon with 1 Oak Leaf Cluster

### **Clinical Activities**

#### **Military**

2002-2005     Operational Flight Surgeon, 80<sup>th</sup> Flying Training Wing, Euro NATO Joint Jet Pilot Training (T-37, T-38 aircraft), Wichita Falls, Texas  
 2002-2005     Staff Physician, Aerospace Medical Clinic, 82<sup>nd</sup> Medical Group, Sheppard AFB, Wichita Falls, Texas  
 2003-2004     Aerospace Medicine Flight Commander, 82 AMDS, Sheppard AFB  
 2003-2005     Space Operations Medical Support, Patrick AFB, Cocoa Beach, Florida  
 2005-2008     Operational Flight Surgeon, 494<sup>th</sup> Fighter Squadron (F-15E), RAF Lakenheath, United Kingdom  
 2005-2008     Staff physician, Aerospace Medicine Clinic, 48<sup>th</sup> Medical Group, RAF Lakenheath, United Kingdom  
 2008-2010     Research Flight Surgeon, Air Force Research Laboratory, Vulnerability Analysis Branch Dayton, Ohio  
 2008-2010     Operational Flight Surgeon, 162<sup>nd</sup> Fighter Squadron (F-16), Springfield, Ohio  
 2008-2010     Staff physician, Aerospace Medicine Clinic, 88<sup>th</sup> Medical Group, Wright-Patterson AFB

#### **Emory University School of Medicine**

2010-2013     Neurology Residency, Emory University School of Medicine  
 2013-2014     Senior Associate (Fellow), Vestibular Neurology, Emory University

**Sports Concussion Institute, Atlanta**

2014-2015 **Medical Director**, Vestibular Neurology and Rehabilitation

**Shepherd Center, Atlanta**

2015-present **Director**, Vestibular Neurology

2015-present **Medical Director**, SHARE Military Initiative

2016-present **Founding Director**, Complex Concussion Clinic

**Administrative Service****Institutional Service****Military**

2002-2005 **Chair**, Occupational Health Working Group, Sheppard AFB, Texas

2002-2005 **Medical Coordinator**, Altitude Chamber Training Program, Sheppard AFB, Texas

2003-2004 **Chair**, In-Flight Emergency Response Working Group, Sheppard AFB, Texas

2005-2008 **Medical Coordinator**, Personnel Reliability Program, RAF Lakenheath, UK

2005-2008 **Medical Coordinator**, USAF Altitude Chamber Training Program, RAF Henlow, UK

2008-2010 **Medical Director**, AFLR Human Biomechanics Division (Vulnerability Analysis Branch)

2008-2010 **Co-Chair**, Human Research Board (IRB), Wright Patterson AFB/Wright State University

**Georgia Institute of Technology**

2012-2013 **Invited Scientific and Clinical Advisor**, TI:GER, Technology Innovation and Commercialization Program, Peripheral Neural Interfacing for Neural Prosthetic Control.

2015-present **Adjunct Associate Professor**, Wallace H. Coulter Department of Biomedical Engineering.

2018-2020 **Organizing Committee**, Georgia Concussion Research Consortium

**Shepherd Center**

2015-present **Executive Medical Staff**, Member

2015-present **Founding Director**, Complex Concussion Clinical Program

2015-present **Medical Director**, SHARE Military Initiative

**Local and National Service**

**Local Service**

2003-2005 **Instructor**, Pediatric Advanced Life Support (PALS), United Healthcare, Wichita Falls, Texas.

2002 Flight Surgeon Member, Aircraft Accident Investigation Board. Class A T-37 Mishap, Sheppard AFB, Texas.

2003 Flight Surgeon Member, Aircraft Accident Investigation Board. Class A T-38 Mishap, Sheppard AFB, Texas.

2016-2020 **Executive Board Member**, Brain Injury Association of Georgia

2016-present **Neurological/Concussion Consultant**, Woodward Academy

2016-present **Neurological/Concussion Consultant**, Georgia Institute of Technology Athletics

2017-present **Neurological/Concussion Consultant**, Emory University/Emory University Athletics

2018-present **Neurological/Concussion Consultant**, Atlanta United Football Club, Major League Soccer

2018-present **Governing Board Member and Chair**, Community, Equity, Sustainability (CES) Committee, Woodward Academy

2019-2020 **Neurological/Concussion Consultant (INC)**, Atlanta Falcons, National Football League

2019-2023 **Neurological/Concussion Consultant**, Rugby ATL, Major League Rugby

2024 **Presidential Search Committee Member**, Woodward Academy

**National Service**

- 2008-2010 **Scientific Advisor**, Air Force Research Laboratory, Evaluation of Head-Neck Restraint System for Fighter Aircraft Pilots.
- 2008-2009 **Reviewer**, Grant Review Committee, DoD Small Business Innovation Research Program (SBIR), Anthropometric Modeling and Automated Pose Reconstruction.
- 2008 **Flight Surgeon Consultant**, Aircraft Accident Investigation Board. Human Factors Advisor; Class A F22 Mishap, Edwards AFB, California.
- 2009-2010 **Invited Scientific Advisor**, Department of Defense, Defense Safety Oversight Council; Human Systems Integration Task Force, Human Performance Working Group.
- 2013-present **Invited Peer Reviewer**, Brain Injury, Aerospace Medicine and Human Performance, Journal of Neurotrauma
- 2013 **Invited Subject Matter Expert**, Concussion and Cervicogenic Dizziness working group. Delphi analysis.
- 2013-2016 **Advisor**, Mobile Health Technology, Alii Healthcare LLC, Atlanta Georgia
- 2014-2017 **Mentor**, Neurotechnology advisor, Neurolaunch, LLC, Atlanta, Georgia
- 2019-2020 **Committee Member**, Certified Concussion Specialist Curriculum, Brain Injury Association of America
- 2019-2020 **Invited Expert Consultant**, US Navy Physiologic Episode Action Team
- 2019-2024 **Vice-Chair, Clinical Network Board**, Avalon Action Alliance
- 2019-present **Board Member**, Bush Institute Warrior Wellness Alliance
- 2019 **Member**, National Neurotrauma Society, Local Host Committee
- 2020-present **Member**, Veterans Administration Federal Advisory Committee for Prosthetics and Special Disabilities Programs (Neurotrauma)
- 2021-present **Ad Hoc Member and Concussion Consultant**, Medical Committee, Major League Rugby USA

2024-present **Chief Medical Officer**, Avalon Action Alliance

### Teaching Service

#### Military

- 2002-2005 Lecturer, Aircrew Health and Aviation Safety  
Euro NATO Joint Jet Pilot Training, Wichita Falls, Texas  
160 annual student and instructor pilots, 8 contact hours/year
- 2005-2008 Lecturer, Instrument Flight Safety Course  
Royal School of Aviation Medicine, RAF Henlow, UK  
100 annual USAF/RAF professional pilots, 20 contact hours/year
- 2005-2009 Lecturer, Combat Self Aid and Buddy Care Course  
48<sup>th</sup> Operations Group, RAF Lakenheath, UK  
80 annual USAF students, 12 contact hours/year

#### Academic

- 2011-2012 Laboratory instructor, Neuroanatomy Laboratory  
Emory University School of Medicine, Atlanta, Georgia  
100 annual medical students, 4 contact hours/year
- 2011-present Lecturer, Clinical Neuroanatomy and Vestibular Neuroanatomy  
Georgia State University School of Allied Health, Atlanta, Georgia  
60 annual physical therapy students, 3 contact hours/year
- 2013-2014 Lecturer, Vestibular Clinical Assessment and Electrophysiology  
Quantitative Electrophysiology, ECE/BMED/PHYS 6787  
Georgia Institute of Technology, Atlanta, Georgia  
15 annual graduate students, 2 contact hours/year
- 2014-2016 Lecturer, Vestibular Systems Physiology  
Biomedical Systems Physiology, BME 3100  
Georgia Institute of Technology, Atlanta, Georgia  
50 annual undergraduate students, 2 contact hours/year
- 2014-2016 Lecturer, Vestibular Neuroscience and Clinical Applications  
Introduction to Neuroscience, BME 4752  
Georgia Institute of Technology, Atlanta, Georgia  
30 annual undergraduate students, 2 contact hours/year
- 2014 Dissertation Committee Member, Ph.D. Candidate Hakan Toreyin  
*Design of a Low-power Interface Circuitry for a Vestibular Prosthesis*  
School of Electrical and Computer Engineering

Georgia Institute of Technology, Atlanta, Georgia

- 2016-present Clinical Mentor, Emory University, Sports Medicine Fellowship  
Complex Concussion Clinic, Shepherd Center  
2-3 annual fellows, 1-month clinical rotation
- 2016-present Clinical Lecturer, Physical Medicine and Rehabilitation Residency  
Annual clinical lecturer  
Emory University School of Medicine
- 2020-present Clinical Mentor, Shepherd Center and Emory University, Brain Injury  
Medicine Fellowship, 1 annual fellow
- 2021-2024 Dissertation Committee Member, Ph.D. Candidate Taylor Zuleger  
*The effects of sports-related head injury on lower extremity motor control:  
functional brain alterations in female adolescent athletes*  
Neuroscience Graduate Program, University of Cincinnati, Ohio

### **Grant Support**

#### **Current**

- 2021-present **Russell Gore** and Jason Allen (**Co-PIs**). Altered central multisensory integration in post-concussive vestibular impairment and the impact of visual-vestibular rehabilitation therapy. Role: **Co-Primary Investigator** (15%). Funding (1.5M/5yrs): NIH/NINDS 1R01NS11968
- 2023-present Julianne Schmidt (PI). Longitudinal Assessment of Post-Concussion Driving in Young Adults (LAPDYA). Role: **Co-Investigator** (2%). Funding (2.4M/5yrs): NIH/NINDS 1 R01 NS131273-01
- 2024-present **Russell Gore** (PI). Expanding Access to mTBI Treatment for Veterans and Service Members with Co-occurring Substance Use. Role: **Primary Investigator** (20%). Funding (1.8M/4yrs): DOD/HT9425-23-TBIPHRP-HSRA
- 2025-present Deborah Barany (PI). Eye movements as a window to understand brain network dysfunction after mild traumatic brain injury. Role: **Co-Investigator** (2%). Funding (50K/1yr): Georgia Clinical and Translational Science Alliance

#### **Pending**

None

#### **Completed**

- 1996-1997 **Russell Gore** (Undergraduate Research Training Award, 100%/4mo). Vanderbilt Undergraduate Student Research Program (VUSRP). Department of Biomedical Engineering, Vanderbilt University. Research Mentors- R. Galloway and B. Dawant.
- 2008-2009 Hermes EDA (PI), Wells TS, Fortuna SO, **Gore RK**, Smith B, Smith T, Miller SC, Gackstetter G. The association between smokeless tobacco use, deployment, military duty, and smoking in the Millennium Cohort Study. Role: **Co-Investigator**. Funding: Department of Defense.
- 2008-2010 Wells T (PI), Master E, Fortuna S, **Gore RK**, Miller SC, Maynard C, Otte C, et al; for the Millennium Cohort Study Team. Performance of US Air Force Airmen Following Mild Traumatic Brain Injury, Phase II. Role: **Associate Investigator**. Funding: Department of Defense.
- 2011-2012 **Russell Gore** (R25 Research Training Award, 80% effort/6mo) NIH/National Institute of Neurologic Disease and Stroke. Research Mentors (R. Bellamkonda- Georgia Institute of Technology, A. English- Emory University).
- 2013-2014 Tamara Espanosa (PI). A Novel Tool For Field Assessment Of Mild Traumatic Brain Injury. Role: **Co-Investigator**. Funding: Department of Defense (DoD) Army Rapid Innovation Fund. W81XWH-12-C-0203.
- 2014-2015 **Russell Gore** (R25 Research Fellowship Training Award, 80% effort) NIH/National Institute of Neurologic Disease and Stroke. Research Mentors (D. Wright- Emory University, M. LaPlaca- Georgia Institute of Technology).
- 2014-2016 **Russell Gore (Co-Investigator, 20% effort/1yr)**. NFL/GE/UnderArmour Head Health Challenge II.
- 2016-2018 Michelle LaPlaca (PI). Characterization of Post-concussive Vestibular Impairment and the Impact of Vestibular Rehabilitation. Role: **Co-PI**, Funding: Center for Advanced Brain Imaging, Georgia Institute of Technology
- 2018-2021 Jason Allen (PI) and Anna Trofimova (Resident). Functional and Structural Brain Connectivity Alterations in Visual Vertigo Syndrome: A Prospective MRI Study of Central Vestibular Impairment in Mild Traumatic Brain Injury. Role: **Co-Investigator/Co-Mentor** (unfunded). Funding (100k/2yrs): RR1866 Radiological Society of North America Resident Training Grant.

- 2019-2021 Tracey Wallace and Katy O’Brian (PIs). **SUCCESS: Success in College after Concussion with Effective Student Supports.** Role: **Consultant** (unfunded). Funding (220k/2yrs): Andee’s Army Foundation.
- 2019-2022 Raeanne Moore and Albert Anderson (PIs). **DETECT: A novel device to assess how HIV affects neurocognitive decline and postural instability in older adults at risk for Alzheimer's Disease.** Role: **Consultant.** Funding: National Institutes of Health R01/HIV Neurobehavioral Research Program.
- 2020-2021 Julianne Schmidt (PI). **Longitudinal Assessment of Post-concussion Driving (LAPD): Developing Evidence-Based Driving Recommendations.** Role: **Co-Investigator** (2%). Funding (50k/1yr): Georgia Clinical & Translational Science Alliance (Georgia CTSA)
- 2020-2022 Adam Klein (PI). **Intubation Aerosol Containment System (IACS).** Role: **Co-Investigator** (unfunded). Funding (50k/1yr): Georgia Research Alliance (GRA Phase 1)
- 2020-2022 Lauren Shewmaker (PI/Carter Center). **Surgical shield to prevent the spread of COVID-19 during trachomatous trichiasis surgery in low- and middle-income countries.** Role: **Co-Investigator** (unfunded). Funding (5k): IZUMI Foundation Mini Grant 2020
- 2022-2023 Jeffery Sharon (PI). **Characterization of Resting-State and Functional Connectivity Changes in Vestibular Migraine.** Role: **Co-Investigator** (unfunded). Funding (53K/1yr): American Otologic Society Research Grant
- 2020-2024 **Russell Gore** and Julianne Schmidt (**Co-PIs**). **Drive Safe: Driving Safety in Adolescents and Young Adults after Concussion.** Role: **Co-Primary Investigator** (2%). Funding (235k/2yrs): Andee’s Army Child Brain & Spinal Cord Foundation
- 2020-2025 **Russell Gore (PI).** **Characterization and management of co-morbid substance use disorders in Post-911 US service members with traumatic brain injury and post-traumatic stress.** Role: **Primary-Investigator** (5%). Funding (865k/3yrs): The Arthur M. Blank Family Foundation

### **Patents, Inventions, Copyrights**

1. **Gore, Russell K.** " Grid-electrode array for co-registration of cortical location and electrophysiological recordings during intraoperative cortical mapping." Patent rights retained, Vanderbilt University. 1996
2. **Gore, Russell K., et al.** "Methods and systems for determining sensory motor performance based on non-postural information." U.S. Patent No. 10,506,966.

17 Dec. 2019.

3. Klein AM, **Gore RK**, Wright DW, Saldana CJ. “Infection Control System for Resuscitation and Airway Management.” United States Patent Application No. 17/219,035. International PCT Application No. PCT/US2021/025213.

## **Publications**

### **Peer-reviewed journal articles**

1. Galloway RL, Dawant BM, Lombard KM, **Gore RK** (1998). Functional Mapping Integrated with Image-Guided Surgery. *Annals of Biomedical Engineering*. Vol. 26, Supplement 1, S-6.
2. **Gore RK**, Web TS, Hermes E (2010). Fatigue and Stimulant Use in Military Fighter Aircrew During Combat Operations. *Aviation, Space, and Environmental Medicine*, Vol. 81(8), 719-727.
3. Tusa RJ, **Gore RK** (2012). Dizziness and Vertigo: Emergencies and management. *Neurologic Clinics of North America*, Vol. 60 (1), 61-74
4. Miller SC, Baktash SH, Webb TS, Wells TS, Whitehead CR, Maynard C, Wells TS, Otte CN, **Gore RK** (2013). Risk for Addiction-Related Disorders Following Mild Traumatic Brain Injury in a Large Cohort of Active-Duty U.S. Airmen. *Am J Psychiatry*, 170:383-390 (cover article).
5. Choi, Y, Park, S, Chung, Y, **Gore, RK**, English, AW, Bellamkonda, RV (2014). PDMS microchannel scaffolds for neural interfaces with the peripheral nervous system. In *Micro Electro Mechanical Systems (MEMS), 2014 IEEE 27th International Conference on* (pp. 873-876). IEEE.
6. Srinivasan A, Tahilramani M, Bentley JT, **Gore RK**, Millard D, Mukhatyar VJ, Joseph A, Haque A, Stanley GB, English AW, Bellamkonda RB (2015). Microchannel-based Regenerative Scaffold for Chronic Peripheral Nerve Interfacing in Amputees. *Biomaterials*, 41:151-165.
7. **Gore R**, Choi Y, Bellamkonda R, English A (2015). Functional recordings from awake, behaving rodents through a microchannel based regenerative neural interface. *J Neural Engineering*. 12, 016017.
8. Webb TS, Whitehead CR, Wells TS, **Gore RK**, Otte CN (2015). Neurologically-related Sequelae Associated with Mild Traumatic Brain Injury. *Brain Inj.* 29(4).
9. Miller SC, Whitehead CR, Otte CN, Wells TS, Webb TS, **Gore RK**, Maynard C (2015). Risk for broad-spectrum neuropsychiatric disorders after mild traumatic brain injury in a cohort of U.S. Air Force personnel. *Occupational and Environmental Medicine*, oemed-2014.
10. Venugopalan J, **Gore RK**, Espinoza T, Wright DW, LaPlaca MC, Wang MD (2017). Mining Standardized Neurological Signs and Symptoms Data for Concussion Identification. In *IEEE Biomedical and Health Informatics (BHI), 2017 IEEE EMBS International Conference on* (pp. 285-288). IEEE.
11. Murray NG, D'Amico NR, Powell D, Mormile ME, Grimes KE, Munkasy BA, **Gore RK**, Reed-Jones RJ (2017). Assessment of Gaze Stability within 24-48 Hours Post-Concussion. *Clinical Biomechanics*, 44, 21-27.

12. Murray NG, Szekely B, Islas A, Munkasy BA, **Gore RK**, Berryhill ME, Reed-Jones RJ (2020). Smooth Pursuit and Saccades after Sport-Related Concussion. *J. Neurotrauma*, Vol. 37, 340-46.
13. **Gore RK**, Saldana C, Wright DW, Klein AM (2020) Intubation Containment System for Improved Protection from Aerosolized Particles during Airway Management. *IEEE Journal of Translational Engineering in Health and Medicine*, Vol. 8, 1-3. doi: 10.1109/JTEHM.2020.2993531.
14. Hurtado JE, Heusel-Gillig L, Risk BB, Trofimova A, Syed A, Allen JW, **Gore RK** (2020). Technology-enhanced visual desensitization home exercise program for post-concussive visually induced dizziness: a case series. *Physiotherapy Theory and Practice*. doi: [10.1080/09593985.2020.1815259](https://doi.org/10.1080/09593985.2020.1815259)
15. Allen JW, Trofimova A, Ahluwalia V, Smith J, Hurtado JE, **Gore RK** (2021). Altered processing of complex visual stimuli in patients with post-concussive visual motion sensitivity. *American Journal of Neuroradiology*. DOI: <https://doi.org/10.3174/ajnr.A7007>
16. Trofimova A, Smith JL, Ahluwalia V, Hurtado J, **Gore RK** and JW Allen (2021). Alterations in resting state functional brain connectivity and correlations with vestibular/ocular-motor screening measures in post-concussion vestibular dysfunction. *J Neuroimaging*, Vol. 31, 277-286 doi: 10.1111/jon.12834
17. Espinoza T, **Gore R**, Jacobs B, Hendershot K, Lui B, Bazarian J, Guskiewicz K, Phelps S, Wright D, LaPlaca M (2021). A Novel Neuropsychological Tool for Immersive Assessment of Concussion and Correlation with Subclinical Head Impacts. *Neurotrauma Reports* 2(1), 232-234.
18. Smith JL, Trofimova A, Ahluwalia V, Casado Garrido JJ, Hurtado J, Frank R, Hodge A, **Gore RK**, Allen JW (2021). The ‘vestibular neuromatrix’: a proposed, expanded vestibular network from graph theory in post-concussive vestibular dysfunction. *Human Brain Mapping*, 1-18. doi: 10.1002/hbm.25737
19. Wallace T, Morris J, Glickstein R, Anderson RK, **Gore RK** (2022). Effects of Mobile Technology Supported Diaphragmatic Breathing Intervention in Military mTBI with PTSD. *Journal of Head Trauma Rehabilitation*, 37(3), 152-161.
20. Wallace TD, McCauley KL, Hodge AT, Moran TP, Porter ST, Whaley MC, **Gore RK** (2022). Use of Person-Centered Goals to Direct Interdisciplinary Care for Military Service Members and Veterans with Chronic mTBI and Co-Occurring Psychological Conditions. *Frontiers in Neurology*, 13.
21. Smith JL, Ahluwalia V, **Gore RK**, Allen JW (2023). Eagle-449: A volumetric, whole-brain compilation of brain atlases for vestibular functional MRI research. *Nature Data Science*, 10(1), 29.
22. O’Brien KH, Pei Y, Kemp AM, Gartell R, **Gore RK**, Wallace TD (2023). The SUCCESS Peer Mentoring Program for College Students with Concussion: Preliminary Results of a Mobile Technology Delivered Intervention *Int. J. Environ. Res. Public Health*, 19.
23. Zuleger TM, Slutsky-Ganesh AB, Anand M, Kim H, Warren SM, Grooms DR, Barber Foss KD, Riley MA, Yuan W, **Gore RK**, Myer GD, Diekfuss JA (2023). The effects of sports-related concussion history on female adolescent brain activity and connectivity for bilateral lower extremity knee motor control. *Psychophysiology*, e14314.

24. Schmidt J, Miller LS, Lyndall R, Lempke L, **Gore RK**, Devos H (2023). Longitudinal Assessment of Post-Concussion Driving: Evidence of Acute Driving Impairment. *Am J Sports Medicine*, 51(10), 2732-2739.
25. Smith JL, Diekfuss JA, Dudley JA, Ahluwalia V, Zuleger TM, Slutsky-Ganesh AB, Yuan W, Barber Foss KD, **Gore RK**, Myer GD, Allen JW (2023). Visuo-vestibular and cognitive connections of the vestibular neuromatrix are conserved across age and injury populations. *J Neuroimaging*, 33(6), 1003-1014.
26. Conklin J, Johnstone B, Wallace TD, McCauley KL, **Gore RK** (2023). Level of Evidence of Telehealth Rehabilitation and Behavioral Health Services for Traumatic Brain Injury: A Scoping Review. *J Clinical Psych in Medical Settings*, 1-24.
27. Conklin J, Johnstone B, Wallace TD, McCauley KL, **Gore RK** (2023). Implementation of Telehealth and Hybrid Service Delivery of Interdisciplinary Rehabilitation for Military Populations with Traumatic Brain Injury. *NeuroRehabilitation*, 53(4), 535-545.
28. Wallace TD, Knollman Porter K, Brown J, Schwartz A, Hodge A, Brown G, Beardslee J, **Gore RK** (2024). mTBI evaluation, management, and referral to allied healthcare: practices of first-line healthcare professionals, *Brain Injury*
29. Behnke JA, Ahluwalia V, Smith JL, Risk BB, Lin J, **Gore RK**, Allen JW. (2024). Assessment of white matter microstructure integrity in subacute postconcussive vestibular dysfunction using NODDI. *Imaging Neuroscience*, 2, 1-15.
30. O'Brien KH, Messina A, Pei Y, Kemp AM, Gartell R, Brown G, **Gore RK**, Appleberry C, Wallace T (2024). Factors Influencing Speech-Language Pathology Referral and Utilization in Mild Traumatic Brain Injury: An Exploratory Analysis. *American Journal of Speech-Language Pathology*, 1–21.
31. Zuleger TM, Slutsky-Ganesh AB, Kim H, Anand M, Warren SM, Grooms DR, Yuan W, Riley MA, **Gore RK**, Myer GD and Diekfuss JA (2024). Differential neural mechanisms for movement adaptations following neuromuscular training in young female athletes with a history of sports-related concussion. *Neuroscience*, 558, pp.70-80.
32. Hashida K, Drattell J, Devos H, **Gore RK**, Lyndall R, Schmidt J (2024). Driving after Concussion: Symptom Clusters and Neurocognition Uniquely Relate to Post-Concussion Driving Performance. *Medicine & Science in Sports & Exercise*. (In print)
33. Hashida K, Drattell J, Lyndall R, Devos H, **Gore RK**, Schmidt J (2025). Examination of naturalistic driving behavior and risk events across concussion recovery. *Trans Research: Traffic Psych and Behavior*, 111, 211-216.
34. Wallace T, Pei Y, Kemp, AM, Gartell R, Appleberry C, **Gore RK**, O'Brien KH (2025). Exploring Person-Centered Goals in Speech-Language Pathology Services for Mild Traumatic Brain Injury. *American Journal of Speech-Language Pathology*, 1-11.
35. Hashida K, Drattell J, Devos H, **Gore RK**, Lyndall R, Schmidt J (2025). Driving After Concussion: Clinical Measures Associated with Post-concussion Driving. *Journal of Athletic Training*. (In print)
36. McCauley KL, Wallace T, Moran TP, Palacios J, Forehand D, Breitenstein J, Miller SC, **Gore RK** (2025). Exploring Integration of Support for Co-

- Occurring Substance Use-Related Needs in Interdisciplinary Traumatic Brain Injury Treatment for Military Service Members and Veterans. *Archives of Rehabilitation Research and Clinical Translation*, p.100468.
37. Hashida K, Drattell J, Devos H, Love K, **Gore RK**, Lyndall R, Schmidt J (2026). Driving After Concussion: The Influence of Days Since Concussion on Simulated Driving Performance Recovery. *Medicine & Science in Sports & Exercise*. (Accepted)

### **Non-peer-reviewed journal articles**

1. **Gore RK** (2007). Fighter Fatigue Management in the Current Theater of Operations. *Flightlines: Publication of the Society of U.S. Air Force Flight Surgeons*. Vol. 22 (1), 14-16.
2. **Gore RK** (2007). NVG Limitations During Dusk and Dawn, Tactical Considerations for Close Air Support Operations. *Eagle Claw: The Liberty Wing Weapons and Tactics Journal*, Summer, 7-10.
3. Wallace, T., Breitenstein, J., McCauley, K., Conklin, J., Anderson, A., Fontes Marx, M. & **Gore, RK**. (2025). Program Development for Interdisciplinary Telerehabilitation for Traumatic Brain Injury: Expanding Clinical Treatment Options. <https://shepherd.org/wp-content/uploads/program-development-interdisciplinary-telerehabilitation-traumatic-brain-injury.pdf>.

### **Abstracts and/or Proceedings**

1. **Gore RK**, Galloway RL, Maciunas RJ, Dawant, BM (1997). Fusion of Anatomic and Electrophysiologic Information for Image-Guided Neurosurgery. *Medical Imaging 3013*, 167-175.
2. **Gore RK**, Hughes K (2008). Fighter Surface Attack on Night Vision Goggles (NVGs) During Dusk and Dawn: Human Factors, Challenges, and Performance Enhancement. *Aviation, Space, and Environmental Medicine*, Vol. 79 (3), 272.
3. **Gore RK**, Felix RJ (2009). Evaluation of a Novel Tool Measuring Operational Situational Awareness in Fighter Aircrew. *Aviation, Space, and Environmental Medicine*, Vol. 80 (3), 271.
4. **Gore RK**, Hermes E (2009). Decision Factors Influencing Stimulant Use Among Fighter Aircrew During Combat Operations. *Proceedings of 15<sup>th</sup> International Symposium on Aviation Psychology*. Wright State University. 498-503.
5. **Gore RK**, McKinley RA (2010). A Predictive Model of Cognitive Performance Under Acceleration Stress: Posthoc Analysis of F-22 Mishap Acceleration Exposure and Predicted Cognitive Performance. *Aviation, Space, and Environmental Medicine*, Vol. 81 (3), 289-290.
6. Kosoris N, Liu B, Phelps SE, Medda A, Swanson E, **Gore RK**, LaPlaca MC, Wright DW, Espinosa T, Evans K, Hendershot, K. (2016). Virtually transforming DETECT: moving a 2-D gamified health assessment to virtual reality. In *Proceedings of the 20th ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games* (pp. 207-208). ACM.

7. Zhao S, Lee L, LaPlaca M, **Gore R**, Espinoza T, Hendershot K, Evans K, Lui B, Kosoris N, Medda A, Phelps S, Wright D (2017). Concussion Discrimination Accuracy Using Common Assessment Tools. *Academic Emergency Medicine*. Vol. 24, Supplement (No. 574).
8. LaPlaca M, Hendershot K, Chakraborty D, Evans K, Lee L, Medda A, Liu B, **Gore R**, Wright D, Espinoza T (2017). Concussion Mitigation Strategies Lower Impact Magnitudes in High School Football. *Journal of Neurotrauma*. Vol. 34, A-39.
9. Wright D, Lindsay L, Zhao S, Moran T, **Gore R**, Liu B, Kosoris N, Medda A, Phelps S, LaPlaca M (2017). The Discriminative Abilities of Commonly Used Sideline Concussion Assessment Tools. *Journal of Neurotrauma*. Vol. 34, A-115.
10. Wallace T, Hodge A, Gartell R, **Gore RK** (2018). tDCS Paired With Exercise and Attention Training for mTBI and PTSD Symptoms: A Case Report. *ACRM 95<sup>th</sup> Annual Conference: Progress in Rehabilitation Research*.
11. Kenyon CD, Sandlin D, Garrido JC, Risk B, Hurtado J, Jayanthi N, **Gore RK**, Allen J (2022). Altered Central Sensory Integration Strategies in Subacute Post-concussive Vestibular Dysfunction: A Discrete Wavelet Transform Analysis [abstract]. *PMR*; 14 (suppl 1).
12. Wallace T, Hodge A, Moran T, McCauley K, Edelman L, **Gore RK**. (2023). Person-centered rehabilitation goals of military service members and Veterans with mild traumatic brain injury and co-occurring psychological conditions [abstract]. *Brain Injury*, 37:8, 758-1040.
13. Conklin J, McCauley K, Breitenstein J, Edelman L, **Gore RK**, & Wallace T. (2023). Impact of Telehealth and Hybrid Service Delivery upon Comprehensive Rehabilitation Outcomes for Military Populations with Traumatic Brain Injury. [abstract]. *Brain Injury*, 37:8, 758-1040.
14. O'Brien K, Pei Y, Kemp A, Gartell R, **Gore RK**, Wallace T. (2023). Speech-language pathology rehabilitative services following concussion: An exploratory study of person-centered goals [abstract]. *Brain Injury*, 37:8, 758-1040.
15. Wallace T, Morris J, Gartell R, McCauley K, **Gore RK** (2024). Iterative User-Centered Design of the SwapMyMood Mobile App: Real-World Clinical Insights. In 2024 NABIS Conference on Brain Injury Abstracts. *Journal of Head Trauma Rehabilitation*, 39 (4), E278-E279.
16. McCauley K, Wallace T, Forehand D, Palacios J, Breitenstein J, **Gore RK** (2024). Enhancing Interdisciplinary TBI Treatment for Military Veterans and Service Members with Co-Occurring Substance Use: Program Development, Access to Care, and Early Treatment Outcomes. In 2024 NABIS Conference on Brain Injury Abstracts. *Journal of Head Trauma Rehabilitation*, 39 (4), E256-E257.
17. Wallace T, Lashley P, Palacios J, McCauley K, **Gore RK**, O'Brien K. (2025). Alignment of Person-Centered Goals and Self-Reported Participation on Military Service Members and Veterans with Mild Traumatic Brain Injury. 15th World Congress on Brain Injury Abstracts, *Brain Injury*, 39:sup1, S2-S287.
18. Lashley P, Behnke J, Smith J, Ahluwalia V, Tulpule A, Frank, Allen J, **Gore RK** (2025). Affective Clinical Measures Correlate with Connectivity Between Brain Regions Associated with Vestibular Function in Chronic mild Traumatic Brain

Injury. 15th World Congress on Brain Injury Abstracts, *Brain Injury*, 39:sup1, S2-S287.

### **Conference Presentations and Posters**

1. **Gore RK**, Galloway RL, Maciunas RJ, Dawant, BM (1997). Fusion of anatomic and electrophysiologic information for image-guided neurosurgery. *International Society of Optical Engineering (SPIE) Medical Imaging Conference*, Newport Beach, California, February 23-25 (oral presentation).
2. **Gore RK**, Galloway RL, Maciunas RJ, Dawant, BM (1997). Fusion of anatomic and electrophysiologic information for image-guided neurosurgery. *Computer Assisted Surgery: New Applications*, Linz, Austria, September 1-5 (oral presentation).
3. **Gore RK**, Hughes K (2008). Fighter Surface Attack on Night Vision Goggles (NVGs) During Dusk and Dawn: Human Factors, Challenges, and Performance Enhancement. *Aerospace Medical Association Conference*, Boston, Massachusetts, May 12-15 (oral presentation).
4. **Gore R**, Hermes E (2009). Decision Factors Influencing Stimulant Use Among Fighter Aircrew During Combat Operations. *15<sup>th</sup> International Symposium on Aviation Psychology*, Dayton, Ohio, April 26-30 (poster).
5. **Gore RK**, Felix RJ (2009). Evaluation of a Novel Tool Measuring Operational Situational Awareness in Fighter Aircrew. *Aerospace Medical Association Conference*, Los Angeles, California, May 3-7 (oral presentation).
6. Wells T, Boyko E, Burnham B, **Gore R**, Fortuna S, Otte C, (2009). Are Mental, Neurological, and Endocrine Disorders Associated With Mild Traumatic Brain Injury? *Military Health Research Forum*, Kansas City, Missouri, September 1-3 (poster).
7. **Gore RK**, McKinley RA (2010). A Predictive Model of Cognitive Performance Under Acceleration Stress: Posthoc Analysis of F-22 Mishap Acceleration Exposure and Predicted Cognitive Performance. *Aerospace Medical Association Conference*, Phoenix Arizona, May 9-13 (oral presentation).
8. Webb T, Whitehead CR, Wells TS, **Gore RK**, Eicher TJ, Miller SC, Baktash SH, Otte CN, Maynard C, Boyko E, Burnham BR, Kemp P (2010). Sequelae of Mild Traumatic Brain Injury in a US Military Cohort. 2010 Force Health Protection Conference. Phoenix, AZ. August 9-13 (poster).
9. Whitehead CR, Webb TS, Wells TS, Baktash SH, Eicher TJ, Miller SC, Otte CN, Fortuna SO, **Gore RK**, Maynard C, Boyko EJ, Burnham BR, Kemp P (2010). Risk for Subsequent Mishaps among Airmen with Mild Traumatic Brain Injury. The Ohio State University's Injury Biomechanics Research Labs' 6th Annual Symposium. May 16-18 (poster).
10. Whitehead CR, Webb TS, Wells TS, Miller SC, Eicher TJ, Otte CN, Baktash SH, **Gore RK**, Maynard C, Boyko EJ, Burnham BR, Kemp P (2011). Military attrition and promotion after mild traumatic brain injury (mTBI). 1st Annual Armed Forces Public Health Conference. Hampton, VA. March 18-25 (poster).
11. **Gore R**, Choi Y, English A, Bellamkonda R (2012). Recording peripheral neural activity in awake and behaving rats after sciatic regeneration through a

- microchannel based neural interface. Cambridge Centre for Brain Repair Spring School, Cambridge UK, March 27-29 (poster).
12. Srinivasan A, **Gore R**, Millard D, Stanley G, Bellamkonda R (2012). A LIFE Inspired Microchannel Interfacing Device. Neural Interfaces Conference, Salt Lake City, Utah. June 18-20 (poster).
  13. **Gore R**, Choi Y, English A, Bellamkonda R (2012). Peripheral neural recordings in awake and behaving rats after sciatic regeneration through a microchannel based neural interface. Society for Neuroscience. New Orleans, Louisiana, October 13-17 (poster).
  14. Srinivasan A, Joseph A, Bentley J, Gaupp E, **Gore R**, Millard D, Stanley G, Bellamkonda R (2012). Microchannels as a Regenerative Construct for Peripheral Nerve Interfacing. Biomedical Engineering Society. Atlanta, Georgia, October 24-27 (oral presentation).
  15. Choi Y, Park S, Chung Y, **Gore R**, English A, Bellamkonda R (2014). PDMS Microchannel Scaffolds for Neural Interfaces with the Peripheral Nervous System. IEEE Conference on Micro Electro Mechanical Systems, San Francisco, California January 26-30 (oral presentation).
  16. Espinoza T, Phelps S, Wright D, Bazarian J, Knezevic A, **Gore R**, Ciaravella<sup>[1]</sup>N Smith S, Liu<sup>[1]</sup>B, Crooks C, LaPlaca M (2014). Display enhanced testing of cognitive impairment and mild traumatic brain injury (DETECT): a novel tool for concussion assessment. 32<sup>nd</sup> National Symposium of the Neurotrauma Society. San Francisco, California. June 29-July 2.
  17. LaPlaca M, Espinoza T, Ciaravella N, Hendershot K, Liu B, Smith S, Kobic A, Crooks C, **Gore R**, Knezevic A, Phelps S, Wright D (2015). Correlation of Impact Acceleration and Neuropsychological Performance in Unconcussed High School and Collegiate Football Players. Biomedical Engineering Society. Tampa, Florida. October 7-10.
  18. Hendershot KA, Evans KM, Geary B, Taha F, Tinkler J, Medda A, Kasoris N, Liu B, Phelps SE, Wright DW, LaPlaca MC, Espinoza TR, **Gore RK** (2016). Comparison of Clinical Assessment Tools in Patients with Dizziness and Imbalance Post-Concussion. 34<sup>th</sup> National Symposium of the Neurotrauma Society. Lexington Kentucky, June 26-29.
  19. Evans KM, Hendershot KA, Kasoris N, Liu B, Medda A, Geary B, Taha F, Tinkler, J, Phelps S, LaPlaca M, Espinoza T, Wright DW, **Gore RK** (2016). Combining Visual Target Tracking and Time Estimation to Assess Vestibular and Oculomotor Function after Concussion. American College of Sports Medicine. Boston, Massachusetts, May 31-June 4.
  20. Evans KM, Hendershot KA, Kasoris N, Liu B, Medda A, Geary B, Taha F, Tinkler, J, Phelps S, LaPlaca M, Espinoza T, Wright DW, **Gore RK** (2016). Vestibular dysfunction following concussion in individuals suffering from dizziness and imbalance. Military Health System Research Symposium. Orlando, Florida, August 15-18.
  21. **Gore RK** (2016). Symposium: Novel Applications of Technology for Brain Injury Rehabilitation of Military Service Members. ACRM 93<sup>rd</sup> Annual Conference: Progress in Rehabilitation Research, Chicago, Illinois, Nov 2-4.

22. Murray NG, Powell DW, **Gore RK** (2017). Visual System Impairments Post-Concussion: Clinical Utility of Current and Novel Assessments. Southeastern American College of Sports Medicine Conference. Greenville, South Carolina, February 16-18 (oral presentation).
23. Wright D, Lindsay L, Zhao S, Moran T, **Gore R**, Liu B, Kosoris N, Medda A, Phelps S, LaPlaca M (2017). The Discriminative Abilities of Commonly Used Sideline Concussion Assessment Tools. National Neurotrauma Society. Snowbird, Utah, July 7-12.
24. **Gore RK** (2017). Symposium: Virtual Reality Enhanced Therapy for Mild TBI Central Vestibular Dysfunction. ACRM 94<sup>th</sup> Annual Conference: Progress in Rehabilitation Research, Atlanta, Georgia, October 23-28.
25. Wallace T, Hodge A, Gartell R, **Gore RK** (2018). tDCS Paired With Exercise and Attention Training for mTBI and PTSD Symptoms: A Case Report. Carolina Neurostimulation Conference. Chapel Hill, North Carolina, May 21-23 (poster).
26. Trofimova A, Ahluwalia V, Frias P, Foster C, Appleberry C, **Gore RK**, Allen JW (2019). Functional Brain Connectivity Alterations Underlying Vestibular Symptomatology in Subacute Post Concussive Visual Motion Sensitivity. Callosum Annual Neuroscience Poster Session, April 16, 2019, GSU/GT Center for Advanced Brain Imaging, Atlanta, GA.
27. **Gore RK** (2019). Immersive Environments to Assess and Treat Traumatic Brain Injury: Reversing a Maladaptive Cortical Response to Injury. American Academy of Neurology Annual Meeting. Philadelphia, Pennsylvania May 5-11.
28. Trofimova A, Ahluwalia V, Frias P, Foster C, **Gore RK**, Allen JW (2019). Functional Connectivity Alterations in Subacute Post-concussive Visual Motion Sensitivity Using a Novel Task-Based Functional MRI Vestibular Paradigm. American Society for Neuroradiology, Boston, Massachusetts, May 18-23.
29. Trofimova A, Ahluwalia V, Foster C, Appleberry C, **Gore RK**, Allen JW (2019). Resting-state fMRI Brain Connectivity Alterations in Subacute Post-Concussive Visual Motion Sensitivity. American Society for Neuroradiology, Boston, Massachusetts, May 18-23.
30. Trofimova A, Ahluwalia V, **Gore RK**, Allen JW (2019). Functional Brain MRI in Post-Concussion Vestibular Impairment. 2019 Medical Imaging Technology Showcase. The Academy for Radiology & Biomedical Imaging Research, Washington, DC.
31. **Gore RK**, Breitenstein J, Brown G (2019). Veteran Goal-Directed Rehabilitation for Suicide Prevention. VA/DoD Suicide Prevention Conference, Nashville, Tennessee, August 27-29.
32. **Gore RK**, Brown G, Schwartz A, Wallace T, Appleberry C, Hurtado JE, Hodge A (2020). Interdisciplinary Care for Concussion/Mild Traumatic Brain Injury: A Model for Differential Diagnosis and Management. ACRM 97<sup>th</sup> Annual Conference: Progress in Rehabilitation Research (Virtual), October 19-24.
33. **Gore RK**, Brown G, Schwartz A, Wallace T, Appleberry C, Hurtado JE, Hodge A (2021). Interdisciplinary Care for Concussion/Mild Traumatic Brain Injury: A Model for Differential Diagnosis and Management. ACRM Spring Meeting (Virtual), March 18-20.

34. Mullins ML, Galante A, **Gore RK** (2021). Under Pressure: Postural Headaches Following A Blindside Hit In A College Lineman. American Medical Society for Sports Medicine, San Diego, California, April 13-18.
35. Schmidt J, Miller LS, Lyndall R, Lempke L, **Gore RK**, Devos H (2021). Driving After Acute Mild Traumatic Brain Injury. Military Health System Research Symposium, Kissimmee, Florida.
36. McCauley K, Wallace T, Breitenstein J, **Gore RK**. (2022). Addressing Substance Use in Mild Traumatic Brain Injury (mTBI) Treatment. *Partnerships for Veteran and Military Health, Strengthening Networks Conference*, Aurora, CO, April 22-23.
37. Wallace T, Whaley M, McCauley K, Conklin J, Breitenstein J, **Gore RK**. (2022). Patient Goal Directed Outcomes: A Model of Care for Military Veterans & Service Members with Mild Traumatic Brain Injury & Co-occurring Psychological Conditions. *Partnerships for Veteran and Military Health, Strengthening Networks Conference*, Aurora, CO, April 22-23.
38. Smith JL, Trofimova A, Ahluwalia V, Hurtado J, **Gore RK**, JW Allen (2022). The vestibular neuromatrix in patients with post-concussive vestibular dysfunction and healthy controls. ISMRM-ESMRMB & ISMRT 31st Annual Meeting, London, England, May 7-12.
39. Zuleger T.M., Slutsky-Ganesh A.B., Anand M., Kim H.W., Warren S.M., Grooms D.R., Simon J.E., Barber Foss K.D., Wong P.K., Riley M.A., Yaun W., **Gore R.K.**, Myer, G.D., Diekfuss J.A. (2022). Altered Neural Activity and Connectivity for Knee Motor Control in Female Adolescent Athletes with a History of Sports-Related Concussion. *15th Annual Emory Sports Medicine Symposium*, Atlanta, GA, May 14-15.
40. Kenyon C, Casado J, Risk B, Sandlin D, Hurtado J, Jayanthi N, Allen J, **Gore RK** (2022) Altered sensory integration strategies in subacute post-concussive vestibular dysfunction: a discrete wavelet transform analysis. *15th Annual Emory Sports Medicine Symposium*, Atlanta, GA, May 14-15.
41. Wallace TD, Cotner BA, Klyce DW, Hodge A, **Gore RK** (2022). Patient Goal Directed Care in Brain Injury Rehabilitation. *ACRM 99<sup>th</sup> Annual Conference: Progress in Rehabilitation Research*, Chicago, IL, November 8-11.
42. McCauley KL, Sorna M, **Gore RK** (2022). Improving Access and Treatment for Substance Use and Mild Traumatic Brain Injury in Military/Veteran Populations. *ACRM 99<sup>th</sup> Annual Conference: Progress in Rehabilitation Research*, Chicago, IL, November 8-11.
43. O'Brian KH, Pei Y, Kemp A, Gartell R, **Gore RK**, Wallace TD (2023). Speech-Language Pathology Rehabilitative Services following Concussion: An Exploratory Study of Person-Centered Goals. *14<sup>th</sup> World Congress on Brain Injury*, In ABSTRACTS, Brain Injury, 37:1-278.
44. Wallace TD, Hodge A, Moran TP, Edelman L, McCauley KL, **Gore RK** (2023). Person-centered rehabilitation goals of military service members and Veterans with mild traumatic brain injury and co-occurring psychological conditions. *14<sup>th</sup> World Congress on Brain Injury*, In ABSTRACTS, Brain Injury, 37:1-278
45. Conklin J, McCauley KL, Breitenstein, J, Edelman L, **Gore RK**, & Wallace TD (2023). Impact of Telehealth and Hybrid Service Delivery upon Comprehensive

- Rehabilitation Outcomes for Military Populations with Traumatic Brain Injury. 14<sup>th</sup> *World Congress on Brain Injury*, In ABSTRACTS, Brain Injury, 37:1-278
46. Hashida K, Drattell JD, Lynall RC, **Gore RK**, Devos H, Schmidt JD (2023). Driving after concussion: Do symptom clusters predict driving performance within 72 hours of concussion? *ACRM 100<sup>th</sup> Annual Conference*. Atlanta, GA. October 31, 2023.
  47. Schmidt JD, Drattell JD, Hashida K, Lynall RC, **Gore RK**, Devos H (2023). Examination of simulated driving performance throughout concussion recovery. *American Congress of Rehabilitation Medicine 100th Annual Conference*. Atlanta, GA. October 31.
  48. Drattell JD, Hashida K, Lynall RC, **Gore RK**, Devos H, Schmidt JD (2023). University Student Performance on the Useful Field Of View Test With and Without an Acute Concussion. *American Congress of Rehabilitation Medicine 100<sup>th</sup> Annual Conference*. Atlanta, GA. October 31, 2023.
  49. Schmidt JD, Hashida K, Drattell JD, **Gore RK**, Lynall RC, Devos H (2023). Driving After Concussion: Is simulated driving performance impaired acutely after concussion? Oral presentation at International Symposium on Sport-Related Concussion. Paris, France. Oct 13.
  50. Hashida K, Drattell J, Lynall R, **Gore R**, Devos H, Schmidt J (2024). Post-Concussion Daily Naturalistic Driving Behavior Throughout Concussion Recovery. *NATA Clinical Symposia & AT Expo*. New Orleans, LA. June 27, 2024.
  51. Hashida K, Drattell J, Devos H, **Gore R**, Lynall R, Schmidt J (2024). Can clinical concussion battery inform driving performance acutely following concussion? *ACSM Annual Meeting*. Boston, MA. May 30, 2024.
  52. Hashida K, Drattell J, Lynall R, **Gore R**, Devos H, Schmidt J(2024). Examination of naturalistic driving behavior and safety measures across concussion recovery. *FWATA Annual Meeting & Clinical Symposium*. Las Vegas, NV. April 15, 2024.
  53. Hashida K, Drattell J, Devos H, **Gore R**, Lynall R, Schmidt J (2023). Do concussion assessments predict simulated driving performance following concussion? *2nd Annual EarRLY TBI Conference*. Online. February 23, 2024.
  54. Hashida K, Drattell J, Devos H, **Gore R**, Lynall R, Schmidt J (2024). Do concussion assessments predict simulated driving performance following concussion? *2<sup>nd</sup> Annual EarRLY TBI Conference*. Online. February 23.
  55. Wallace TD, Lashley P, Palacio J, McCauley KL, **Gore RK**, O'Brian KH (2025). Alignment of person-centered goals and self-reported participation in military service members and Veterans with mild traumatic brain injury. 15<sup>th</sup> *World Congress on Brain Injury*, Montreal Canada, March 19-22.
  56. Lashley P, Behnke JA, Smith JL, Ahluwalia V, Risk BB, Tulpule A, Frank R, Allen JW, **Gore RK** (2025). Affective Clinical Measures Correlate with Connectivity between Brain Regions Associated with Vestibular Function in Chronic mild Traumatic Brain Injury. 15<sup>th</sup> *World Congress on Brain Injury*, Montreal Canada, March 19-22.
  57. Hashida K, **Gore RK**, Appleberry C, Schwartz A, Lynall RC, Devos H, Drattell JD, Schmidt JD (2025). Simulated Driving Performance in Individuals with

- Persisting Symptoms After Concussion. *Concussion in Sport Group Symposium: Podium Presentation*. Milwaukee, WI. April 30.
58. Watts, CJ, Hashida, K, Drattell, JD, Devos, H, **Gore, RK**, Lynall, RC, Schmidt JD (2025). Relationship Between Acute Post-Concussion Vestibular Ocular Motor Screen Symptoms and Simulated Driving Outcomes. *Concussion in Sport Group Symposium*, Milwaukee, WI. April 30.
  59. Behnke JA, Ahluwalia V, Smith JL, Risk BB, Lashley P, **Gore RK**, Allen JW. (2025). Assessment of Structural Connectivity in Chronic Blast Postconcussive Vestibular Dysfunction Using Probabilistic Tractography and NODDI. *American Society of Neuroradiology*, Philadelphia, PA, May 17-21.
  60. Hashida K, Drattell JD, Love K, Devos H, **Gore RK**, Lynall RC, Schmidt JD (2025). Concussion and Driving: Key Factors Associated with Post-concussion Driving. *2025 American College of Sports Medicine Annual Meeting*, Atlanta, Georgia, May 28.
  61. Hodge A, Frank R, Allen K, Appleberry C, **Gore RK** (2025). From Impact to Recovery, A Holistic Model of Managing Concussion in Athletes. *American Congress of Rehabilitation Medicine 102<sup>nd</sup> Annual Conference*, Chicago, Illinois, October 27-30.
  62. McCauley KL, Moran TP, Saleh L, Wallace T, Miller SC, **Gore RK** (2025). Improvements in Neurobehavioral Symptoms and Substance Use Outcomes Following Integrated Intensive Outpatient Interdisciplinary Treatment for Traumatic Brain Injury and Co-Occurring Substance Use. *Ohio Society for Addiction Medicine*, Westerville, Ohio, October 17.
  63. Hodge A, Frank R, Appleberry C, Cho H, **Gore RK** (2026). Effects of Physical Therapy on Headache, Dizziness, Motion Sensitivity, Cervical Proprioception, and Balance After Concussion. *American Physical Therapy Association Combined Sections Meeting*, Anaheim, California, Feb. 12-14.
  64. Cho H, Smith JL, Ahluwalia V, Frank R, Geffe S, Allen JW, **Gore RK** (2026). Resting State Functional Connectivity and Clinical Measures in Persisting Post-Concussion Symptoms. *North American Brain Injury Society 18th Annual Conference on Brain Injury*, Arlington, Virginia, March 11-13.
  65. McCauley KL, Moran TP, Saleh L, Wallace T, Miller SC, **Gore RK** (2026). A Longitudinal Observational Study of Neurobehavioral Symptoms and Substance Use Outcomes Following Integrated Intensive Outpatient Interdisciplinary Treatment for Traumatic Brain Injury and Co-Occurring Substance Use. *North American Brain Injury Society 18th Annual Conference on Brain Injury*, Arlington, Virginia, March 11-13.
  66. Hashida K, Dill K, Pasculli R, Drattell JD, Devos H, Lynall RC, **Gore RK**, Schmidt JD (2026). Can't stop, Won't stop: Driving brake reaction time after acute concussion. *77<sup>th</sup> NATA Clinical Symposia & AT Expo: Rapid Fire Presentation*. Philadelphia, Pennsylvania. July 2.

### **Invited Oral Presentations**

1. **Gore RK** (2006). Aviation Mishap Initial Response; Experience in Three Class A Mishaps. *U.S. Air Forces in Europe Aviation Physiology Conference*, RAF Lakenheath, May 22-25.

2. **Gore RK** (2007). USAF Deployed Medical Operations; Expeditionary Primary Care Aerospace Medicine. *Royal Air Force Conference on Expeditionary Primary Care*, RAF Centre of Aerospace Medicine, RAF Henlow, October 15-18.
3. **Gore RK**. (2008). Aviation Medicine in Austere Environments; USAF perspectives. *Bulgarian Center for Aviation Medicine*; Sofia, Bulgaria, April 17.
4. **Gore RK** (2009). Tactical Image Analysis for Human Threat and Intent Prediction, *Air Force Research Labs Special Forces Workshop*, Fort Walton Beach, Florida, April 7.
5. McKinley RA, **Gore RK** (2009). A Predictive Model of Cognitive Performance Under Acceleration Stress, *Department of Defense Scientific Advisory Board*, Dayton, Ohio, October 28 (Headline Presentation).
6. **Gore RK** (2014). Assessment of Vestibular and Visual Functioning in Concussion: Emerging Technology. The 8<sup>th</sup> Annual National Summit on Sports Concussion. Los Angeles, California. May 2.
7. **Gore RK** (2015). Vestibular and Oculomotor Assessment: Biomarkers for Brain Injury Dysfunction and Implications for Treatment. Shepherd Center, Atlanta Georgia. April 22.
8. **Gore RK** (2015). Vestibular and Oculomotor Anomalies as Markers of Concussion Severity and Recovery. The 9<sup>th</sup> Annual National Summit on Sports Concussion. Los Angeles, California. June 5.
9. **Gore RK** (2015). Brain Injury and the Limits of Human Performance: From Fighter Planes to Football Games. Norman Fries Distinguished Lecture, Georgia Southern University, Statesboro Georgia. September 29 (Headline Presentation).
10. **Gore RK** (2015). Mild Traumatic Brain Injury Conference, University of Montana Neural Injury Center, Missoula Montana, November 6-7.
11. **Gore RK** (2016) Gamified Assessment of Neural Performance: Applications in Sports Concussion. Emory University Frontiers in Neuroscience, Atlanta, Georgia, February 26 (Headline Presentation).
12. **Gore RK** (2016) Woodward Academy Veterans Day Convocation, Atlanta, Georgia, November 11 (Keynote Speaker).
13. **Gore RK** (2017) Complex Concussion, Emory University Sports Medicine Symposium: An Interactive Approach. Atlanta, Georgia, March 25-26.
14. **Gore RK** (2017) Vetlanta Q4 Summit 2017, Mercedes-Benz Stadium, Atlanta, Georgia, November 6 (Keynote Speaker).
15. **Gore RK** (2018) Mild Brain Injury = Concussion Management, Think Big: Health and Wellness after TBI, Atlanta, Georgia, February 3.
16. **Gore RK** (2018) Back at Home: Stories of Student-Veterans, Kennesaw State University, March 21 (Keynote Speaker).
17. **Gore RK** (2018) Kennesaw State University Veterans Day Convocation, Atlanta, Georgia, November 8 (Keynote Speaker).
18. **Gore RK** (2021) Vestibular Impairment after Mild TBI: Dysfunction of Multisensory Integration. University of Alaska Anchorage, Head Injury ECHO, March 24.
19. **Gore RK** (2022) Driving after concussion: Steering clinicians toward evidence-based recommendations. *15th Annual Emory Sports Medicine Symposium*, Atlanta, GA, May 14-15.

20. **Gore RK** (2023) Update on the 2023 Amsterdam Concussion Guidelines. *16th Annual Emory Sports Medicine Symposium*, Atlanta, GA, June 10-11.
21. **Gore RK** (2023) Post-concussive vestibular dysfunction; network alterations characterizing dizziness after sport-related concussion. *International Symposium on Sport-Related Concussion*, Paris, France, October 13.
22. **Gore RK** (2024) Mild TBI in Military and Athlete High Performers: Finding and Managing Invisible Injuries with Neurorehabilitation. *UC Irvine Conference on Concussion and CTE in Athletes and Veterans*, Irvine, California, August 10-11.
23. **Gore RK** (2024). Long-Term Care for Invisible Wounds. *Wounded Warrior Program Partner Convening*. Jacksonville, Florida, August 29.
24. **Gore RK** (2025). Emergency Preparedness in Sport Panel Discussion. *Emergency Care in Sport Conference*. Atlanta, Georgia, February 15-16.
25. **Gore RK** (2025). Challenges in the Care of Veterans. *Bush Institute, Veteran Wellness Alliance Convening*. Jacksonville, Florida, April 9.