

# Curriculum Vitae and Bibliography

## Arthur Jason De Luigi, DO, MHSA

### 1. Personal Information

### 2. Present Academic Rank and Position

<b>Professor of Rehabilitation Medicine</b> - Georgetown University School of Medicine, Washington, District of Columbia	06/2017 - Present
<b>Chief Executive Officer &amp; Founder</b> - Hall of Fame Sports, LLC, Scottsdale, Arizona	02/2021 - Present
<b>Sports Media Operations &amp; Journalism</b> – Hall of Fame Sports, LLC, Scottsdale, Arizona	02/2021 - Present
<b>Sports Medical Consulting</b> – Hall of Fame Sports, LLC, Scottsdale, Arizona	02/2021 - Present
<b>Chief Medical Advisor</b> - American 7 Football League (A7FL), Los Angeles, California	12/2022 - Present
<b>Locum Tenens Physician</b> – Hall of Fame Sports, LLC, Scottsdale, Arizona	05/2024 - Present
<b>Consulting Sports Medicine Physician</b> – Hall of Fame Sports, LLC, Scottsdale, Arizona	05/2024 - Present

### 3. Education

George Washington University, Washington, District of Columbia - BS, Chemistry	1997
George Washington University, Washington, Georgia - BA, Biology	1997
Lake Erie College of Osteopathic Medicine, Erie, Pennsylvania - Doctor of Osteopathic Medicine	2001
Walter Reed Army Medical Center, Washington, District of Columbia - Transitional Internship	2001 – 2002
Walter Reed Army Medical Center, Washington, District of Columbia - Residency, Physical Medicine & Rehabilitation	2002 – 2005
Walter Reed Army Medical Center, Washington, District of Columbia - Chief Resident, Physical Medicine & Rehabilitation	2004 – 2005
University of Utah, Salt Lake City, Utah - Fellowship, Sports Medicine Interventional Spine	2007 – 2008
Lake Erie College of Osteopathic Medicine, Erie, Pennsylvania – Master of Health Services Administration (MHSA)	2017

### 4. Certification

#### Board Certifications

##### American Board of Pain Medicine

Pain Medicine	2011 – 2031
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##### American Board of Physical Medicine and Rehabilitation

Physical Medicine and Rehabilitation	2006 – 2026
Physical Medicine and Rehabilitation/Sports Medicine	2008 – 2028
Brain Injury Medicine	2016 – 2026

##### American Registry for Diagnostic Medical Sonography (ARDMS)

Registered in Musculoskeletal Sonography (RMSK)	2012 – Present
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##### National Board of Physicians and Surgeons

Physical Medicine and Rehabilitation/Brain Injury Medicine	2018 – Present
Physical Medicine and Rehabilitation/Sports Medicine	2018 – Present

**Other Certifications****Academy of Wilderness Medicine (Wilderness Medicine Society)**

Fellowship Academy of Wilderness Medicine (FAWM)	2021 – 2024
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**Reiki Infinite Healer**

Reiki: Shoden/Level 1 Certification	2024
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Reiki: Master/Level 2 Certification	2025
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**Arizona Western College**

Certification in Energy Medicine	2024
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**Mayo Clinic Quality Academy**

Mayo Clinic Quality Fellow: Bronze Level Certification	2018
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Mayo Clinic Quality Fellow: Silver Level Certification	2019
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**5. Licensure**

Maryland	Expired (did not renew) (Medical)
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District of Columbia	Expired (did not renew) (Medical)
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Utah	Expired (did not renew) (Medical)
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Arizona	Active (Medical)
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**6. Honors and Awards**

<b>Valedictorian</b> - Beaver Area High School, Beaver, Pennsylvania Valedictorian of Beaver Area High School	06/1993
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<b>Dean's List</b> - The George Washington University, Washington, District of Columbia	12/1993
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<b>Dean's List</b> - The George Washington University	12/1995
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<b>Dean's List</b> - The George Washington University	05/1996
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<b>Dean's List</b> - The George Washington University	12/1996
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<b>United States Army Health Professional Scholarship</b> - United States Army	1997 – 2001
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<b>Dean's List</b> - The George Washington University	05/1997
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<b>Dean's List</b> - Lake Erie College of Osteopathic Medicine, Erie, Pennsylvania	12/1997
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<b>United States Army Service Ribbon</b> - United States Army	1998
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<b>Dean's List</b> - Lake Erie College of Osteopathic Medicine, Erie, Pennsylvania	06/1998
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<b>Dean's List</b> - Lake Erie College of Osteopathic Medicine, Erie, Pennsylvania	12/1998
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<b>Dean's List</b> - Lake Erie College of Osteopathic Medicine, Erie, Pennsylvania	06/1999
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<b>Dean's List</b> - Lake Erie College of Osteopathic Medicine, Erie, Pennsylvania	12/1999
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<b>Dean's List</b> - Lake Erie College of Osteopathic Medicine, Erie, Pennsylvania	06/2000
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<b>Dean's List</b> - Lake Erie College of Osteopathic Medicine, Erie, Pennsylvania	12/2000
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<b>Army Superior Unit Award</b> - United States Army	2001
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<b>Global War on Terrorism Service Medal</b> - United States Army	2001
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<b>National Defense Service Medal</b> - United States Army	2001
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<b>Dean's List</b> - Lake Erie College of Osteopathic Medicine, Erie, Pennsylvania	06/2001
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<b>National Defense Service Medal</b> - United States Army	2002
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<b>Army Achievement Medal</b> - United States Army	2005
<b>Army Commendation Medal</b> - United States Army	2005
<b>Iraqi Campaign Service Medal</b> - United States Army	2005
<b>Army Commendation Medal</b> - United States Army	2007
<b>Bronze Star Medal</b> - United States Army	2009
<b>Combat Action Badge</b> - United States Army	2009
<b>Combat Action Ribbon</b> - United States Army	2009
<b>Global War on Terrorism Expeditionary Medal</b> - United States Army	2009
<b>Iraqi Campaign Service Medal</b> - United States Army	2009
<b>Overseas Service Ribbon</b> - United States Army	2009
<b>Army Commendation Medal</b> - United States Army	2010
<b>Faculty of the Year</b> – Georgetown University Hospital/National Rehabilitation Hospital PM&R Residency, Georgetown University	2011 - 2012
<b>First Place</b> - Research Competition, Walter Reed National Military Medical Center	2011
<b>Outstanding Service Award</b> - American Academy of Physical Medicine & Rehabilitation	2012
<b>Outstanding Customer Service Award</b> - MedStar National Rehabilitation	2017
<b>Outstanding Course Award</b> - Mayo Clinic School of Continuous Professional Development	2019
<b>Outstanding Quality Improvement Project</b> - Mayo Clinic School of Continuous Professional Development	2019
<b>Inductee</b> - Beaver County Sports Hall of Fame	2020

## 7. Previous Work Experience

<b>Sports Information</b> , The George Washington University, Washington, DC, Department of Athletics	1993 – 1997
<b>Sports Journalism Liaison, Sports Information</b> , The George Washington University, Washington, DC, Department of Athletics	1993 – 1997
<b>Sports Statistician &amp; Scoreboard Operator</b> , Men's & Women's Soccer, The George Washington University, Washington, DC, Department of Athletics	1993 – 1997
<b>Referee</b> , Soccer, Hockey, Football, Basketball, Volleyball, Softball (Umpire), The George Washington University, Washington, DC, Department of Intramural Athletics	1993 – 1997
<b>Sports Statistician, Computer Statistics</b> , Women's Volleyball, The George Washington University, Washington, DC, Department of Athletics	1993 – 1997
<b>Written Play-By-Play</b> , Men's & Women's Basketball, The George Washington University, Washington, DC, Department of Athletics	1993 – 1994
<b>Sports Statistician, Computer Statistics</b> , Men's & Women's Basketball, The George Washington University, Washington, DC, Department of Athletics	1994 – 1997
<b>Clinical Instructor</b> - Uniformed Services University of the Health Sciences, Bethesda, MD, Department of Neurology	2002 – 2005
<b>Director</b> - Electrodiagnostic Medicine, Physical Medicine and Rehabilitation and Pain Management Clinic, Blanchfield Army Community Hospital, Fort Campbell, Kentucky	2005 – 2007
<b>Assistant Chief</b> - Physical Medicine and Rehabilitation and Pain Management Clinic, Blanchfield Army Community Hospital, Fort Campbell, Kentucky	2005 – 2007
<b>Battalion Surgeon</b> - 101st Airborne Division(Air Assault), Forward Area Surgical Team (FAST), United States Army, Fort Campbell, Kentucky	2005
<b>Visiting Clinical Instructor</b> - Division of Physical Medicine and Rehabilitation, University of Utah, Salt Lake City, Utah	2007 – 2008

<b>Director</b> - Research Program, Fort Belvoir Community Hospital, Fort Belvoir, Virginia	2008 – 2011
<b>Physician</b> - Walter Reed Army Medical Center, Washington, District of Columbia	2008 – 2011
<b>Battalion Surgeon</b> - 2/27th IN, 3rd IBCT, 25th Infantry Division, Schofield Barracks, Hawaii	2008 – 2009
<b>Assistant Professor of Neurology</b> - Uniformed Services University of the Health Sciences, Bethesda, MD	2008 – 2012
<b>Medical Director</b> - Bayji Area Medical Facility, Bayji, Iraq	2008 – 2009
<b>Director</b> - Undergraduate Medical Education, Walter Reed Army Medical Center, Washington, District of Columbia	2009 – 2010
<b>Medical Director</b> - Adaptive Sports Program, Physical Medicine and Rehabilitation Service, Military Advanced Training Center, Washington, District of Columbia	2009 – 2011
<b>Director</b> - Amputee Clinic, Physical Medicine and Rehabilitation Service, Military Advanced Training Center, Washington, District of Columbia	2009 – 2011
<b>Transitional Chief</b> - Physical Medicine and Rehabilitation Service, Fort Belvoir Community Hospital, Fort Belvoir, Virginia	2009 – 2011
<b>Director</b> - Sports Medicine, Walter Reed Army Medical Center, Washington, District of Columbia	2009 - 2011
<b>Director</b> - Ambulatory Care Clinic, Physical Medicine and Rehabilitation Service, Walter Reed Army Medical Center, Washington, District of Columbia	2009 - 2011
<b>Physician</b> - National Naval Medical Center, Bethesda, Maryland	2009 - 2011
<b>Assistant Chief</b> - Physical Medicine and Rehabilitation Service, Walter Reed Army Medical Center, Washington, District of Columbia	2009 - 2011
<b>Head Team Physician</b> , United State Disabled Ski Team, United States Ski & Snowboarding Association (USSA), Colorado Springs, Colorado	2010 – 2011
<b>Program Director</b> - Physical Medicine and Rehabilitation Residency, Walter Reed Army Medical Center, Washington, District of Columbia	2010 - 2011
<b>Assistant Professor of Rehabilitation Medicine</b> - Georgetown University School of Medicine, Washington, District of Columbia	2011 - 2012
<b>Director</b> - Interventional Pain Management, MedStar Surgery Center, Washington, District of Columbia	2011 - 2016
<b>Consulting Physician</b> - Gallaudet University, Washington, District of Columbia	2011 - 2018
<b>Director</b> - Sports Medicine, MedStar Georgetown University Hospital, Washington, District of Columbia	2011 - 2018
<b>Program Director</b> - Sports Medicine Fellowship, MedStar Georgetown University Hospital, Washington, District of Columbia	2011 - 2018
<b>Head Team Physician</b> , United States Adaptive Alpine Ski Team, United States Olympic Committee (USOC) High Performance, Colorado Springs, Colorado	2012 – 2021
<b>Associate Professor of Rehabilitation Medicine</b> - Georgetown University School of Medicine, Washington, District of Columbia	2012 - 2017
<b>Team Physician</b> - Washington Nationals, Washington, District of Columbia Team Physician, Washington Nationals	2012 - 2016
<b>Team Physician</b> - DC United, Washington, District of Columbia Team Physician, DC United	2012 - 2018
<b>Team Physician</b> - Washington Spirit, Germantown, Maryland Team Physician, Washington Spirit	2012 - 2018
<b>Head Team Physician</b> , US Para-Snowboarding, Colorado Springs, Colorado	2012 – 2023

<b>Associate Program Director</b> - Sports Medicine Fellowship, MedStar Washington Hospital Center, Washington, District of Columbia	2013 - 2018
<b>Head Team Physician</b> - Washington Wizards, Washington, District of Columbia Head Team Physician, Washington Wizards	2013 - 2018
<b>Vice Chair Education</b> - American Academy of Physical Medicine and Rehabilitation Vice Chair of Education, AAPM&R Musculoskeletal Council	2013 - 2016
<b>Director</b> - Sports Medicine, MedStar Montgomery Medical Center, Olney, Maryland	2013 - 2018
<b>Team Physician</b> , Team USA, 2014 Winter Games, Paralympics, Sochi, Russia	2/2014 – 3/2014
<b>Head Team Physician</b> - Washington Mystics, Washington, District of Columbia Medical Director & Head Team Physician of the Washington Mystics	2014 - 2018
<b>Medical Director</b> - Washington Mystics, Washington, District of Columbia Medical Director and Head Team Physician, Washington Mystics	2014 - 2018
<b>Director</b> - Washington Wizards, Washington, District of Columbia Director of Sports Performance, Washington Wizards	2016 - 2018
<b>Director</b> - Ambulatory Surgery Center Interventional Pain Service, MedStar Health at Lafayette Centre, Washington, District of Columbia	2016 - 2018
<b>Medical Director</b> - Sports Medicine Clinic, MedStar Health at Lafayette Centre, Washington, District of Columbia	2016 - 2018
<b>Chair-Elect</b> - American Academy of Physical Medicine and Rehabilitation Chair-Elect, AAPM&R Musculoskeletal Council	2016 - 2018
<b>Chair</b> - American Academy of Physical Medicine and Rehabilitation Chair, AAPM&R Musculoskeletal Council	2018 - 2020
<b>Team Physician</b> - Phoenix Rising FC, Tempe, Arizona Primary Care Non-Operative Team Physician for Phoenix Rising FC as part of Mayo Clinic Sports Medicine	2018 – 2024
<b>Chair</b> - Department of Physical Medicine & Rehabilitation, Mayo Clinic, Scottsdale/Phoenix, Arizona	2018 – 2024
<b>Consultant</b> - Department of Physical Medicine & Rehabilitation, Mayo Clinic, Scottsdale/Phoenix, Arizona	2018 – 2024
<b>Director, Sports Medicine</b> - Mayo Clinic Arizona, Scottsdale, Arizona	2018 – 2024
<b>Medical Director</b> , Sports Medicine Independent Multidisciplinary Program (IMP), Mayo Clinic Arizona, Scottsdale/Tempe, Arizona	2018 – 2024
<b>Medical Director</b> - Mayo Clinic in Arizona, Mayo Clinic, Scottsdale, AZ, Arizona Medical Director of Sports Medicine Independent Multidisciplinary Program (IMP)	2018 – 2024
<b>Team Physician</b> - Tempe Preparatory Academy, Tempe, Arizona Primary Care Non-Operative Team Physician as part of Mayo Clinic Sports Medicine	2018 – 2024
<b>Team Physician</b> - Scottsdale Preparatory Academy, Scottsdale, Arizona Primary Care Non-Operative Team Physician as part of Mayo Clinic Sports Medicine	2018 – 2024
<b>Team Physician</b> - Arizona Coyotes, Glendale, Arizona Team Physician for Arizona Coyotes as part of Mayo Clinic Sports Medicine	2018 – 2024
<b>Team Physician</b> - Scottsdale Unified School District, Scottsdale, AZ, Mountainside Cougars Athletics	2018 – 2024
<b>Physician</b> - Cactus/Cheez-It Bowl, Phoenix, Arizona Medical Coverage for the Cheez-It Bowl	2018 – 2024
<b>Associate Professor of Physical Medicine and Rehabilitation</b> - Mayo Clinic College of Medicine and Science	2018 – 2024
<b>Medical Director</b> - Special Olympics Arizona, Gilbert, Arizona	2018 – 2024

<b>Physician</b> - Fiesta Bowl, Glendale, Arizona	2018 – 2024
<b>Associate Chair of Research</b> - Department of Physical Medicine & Rehabilitation, Mayo Clinic, Scottsdale/Phoenix, Arizona	2020 – 2024
<b>Visiting Speaker</b> – Department of Physical Medicine & Rehabilitation, Western University of Health Sciences, Pomona, California	2021
<b>Visiting Speaker</b> – Department of Physical Medicine & Rehabilitation, Medical College of Wisconsin, Milwaukee, Wisconsin	2021
<b>Visiting Professor</b> – Department of Physical Medicine & Rehabilitation, University of Florida, Gainesville, Florida	2021-2022
<b>Vice Chair of Research</b> - Department of Physical Medicine & Rehabilitation, Mayo Clinic, Scottsdale/Phoenix, Arizona	2021 – 2024
<b>Head Team Physician</b> , USA Paralympic Ski Team, Colorado Springs, Colorado	2021 – 2023
<b>Physician</b> - Fiesta Bowl, Glendale, Arizona Medical Coverage for the 2022 Fiesta Bowl at State Farm Arena	01/2022
<b>Physician</b> - Phoenix Open-TPC Scottsdale, Phoenix, Arizona Medical Coverage for the 2022 Phoenix Open at TPC Scottsdale	02/2022
<b>Physician</b> - Phoenix Rising FC, Tempe, Arizona Medical Coverage for Pre-Participation Physicals	02/2022
<b>Physician</b> - Girls On The Run Maricopa & Pinal Counties 5K, Phoenix, Arizona Medical Coverage for Girls On The Run 5K	04/2022
<b>Physician</b> – Fiesta Bowl Charity Par 3 Challenge Medical Coverage for the 2022 Fiesta Bowl Par 3 Challenge	10/2022
<b>Physician</b> - 2022 Ironman World Championships, Kailua Kona, Hawaii Medical Coverage for the Men’s & Women’s Ironman World Championships	10/2022
<b>Physician</b> , Arizona Diamondbacks Fantasy Camp, Scottsdale, Arizona	11/2022
<b>Chief Medical Officer</b> - Kilogear Cut, Los Angeles, California	2022 – 2024
<b>Co-Medical Director</b> - Waste Management Phoenix Open, Scottsdale, Arizona	2022 – 2024
<b>Co-Chair</b> , PM&R BOLD Steering Committee, Musculoskeletal, AAPM&R	2022 – 2024
<b>Physician</b> - FIS Ski Jumping World Cup, Zakopane, Poland Medical Coverage for the 2023 FIS Ski Jumping World Cup	01/2023
<b>Physician</b> - Phoenix Rising FC, Tempe, Arizona Medical Coverage for Pre-Participation Physicals	01/2023
<b>Physician</b> - Phoenix Open-TPC Scottsdale, Phoenix, Arizona Medical Coverage for the 2023 Phoenix Open at TPC Scottsdale	02/2023
<b>Physician</b> - Girls On The Run Maricopa & Pinal Counties 5K, Phoenix, Arizona Medical Coverage for Girls On The Run 5K	04/2023
<b>Head Team Physician</b> , US Paralympic Ski Team, US Ski & Snowboarding (USSS), Park City, Utah	2023 – 2024
<b>Head Team Physician</b> , US Para-snowboarding, USSS, Park City, Utah	2023 – 2024
<b>Physician</b> – Fiesta Bowl Charity Par 3 Challenge Medical Coverage for the 2023 Fiesta Bowl Par 3 Challenge	10/2023
<b>Physician</b> , Arizona Diamondbacks Fantasy Camp, Scottsdale, Arizona	11/2023
<b>Physician</b> - Guaranteed Rate Bowl, Phoenix, Arizona Medical Coverage for the 2023 Guaranteed Rate Bowl at Chase Field	12/2023
<b>Physician</b> - Fiesta Bowl, Glendale, Arizona Medical Coverage for the 2023 Fiesta Bowl at State Farm Arena	01/2024

<b>Physician</b> - FIS Para Alpine Skiing World Cup, Zakopane, Poland Medical Coverage for the 2024 FIS Para Alpine Skiing World Cup	01/2024
<b>Physician</b> - Phoenix Rising FC, Tempe, Arizona Medical Coverage for Pre-Participation Physicals	01/2024
<b>Physician</b> - Phoenix Open-TPC Scottsdale, Phoenix, Arizona Medical Coverage for the 2024 Phoenix Open at TPC Scottsdale	02/2024
<b>Physician</b> - FIS Ski Jumping World Cup, Rasnov, Romania Medical Coverage for the 2024 FIS Ski Jumping World Cup	02/2024
<b>Physician</b> - FIS Para-Snowboarding, Colere, Italy Medical Coverage for the 2023 FIS Ski Jumping World Cup	02/2024
<b>Physician</b> , Battle of the Nations (United States, Mexico,& Tribal Nations), Bull Riding, Shoot Out Arena, Tombstone, Arizona	05/2024
<b>Physician</b> , Tombstone High School Football, Tombstone, Arizona	8/2024 – 11/2024
<b>Consulting Physician</b> , Penn State Beaver Baseball, Monaca, Pennsylvania	9/2024 – 10/2024
<b>Physician</b> , Arizona Diamondbacks Fantasy Camp, Scottsdale, Arizona	11/2024
<b>Sports Journalist</b> , Arizona Fall League (MLB), Scottsdale, Arizona	10/2024 - 11/2024
<b>Sports Journalist</b> , NCAA College Football Playoffs (CFP), Scottsdale, Arizona	12/2024 - 1/2025
<b>Sports Journalist</b> , NFL Football Playoffs, Scottsdale, Arizona	1/2025 - 2/2025
<b>Sports Journalist</b> , Cactus League (MLB), Scottsdale, Arizona	2/2025 – 3/2025
<b>Consulting Physician</b> , Penn State Beaver Baseball, Monaca, Pennsylvania	2/2025 – 5/2025
<b>Physician</b> , SUSD, Desert Mountain Wolves Softball, Scottsdale, Arizona	2/2025 – 5/2025
<b>Sports Journalist</b> , NCAA March Madness, Scottsdale, Arizona	3/2025 – 4/2025
<b>Sports Journalist</b> , MLB, Arizona Diamondbacks, Scottsdale, Arizona	3/2025 – 9/2025
<b>Consulting Physician</b> , Penn State Beaver Baseball, Monaca, Pennsylvania	9/2025 – 10/2025
<b>Sports Journalist</b> , Arizona Fall League (MLB), Scottsdale, Arizona	10/2025 - 11/2025
<b>Sports Journalist</b> , NCAA College Football Playoffs (CFP), Scottsdale, Arizona	12/2025 - 1/2026

## 8. Service

### Military

<b>2nd Lieutenant</b> - United States (US) Army, Erie, Pennsylvania	11/1997 - 06/2001
<b>Captain</b> - US Army, Washington, District of Columbia	06/2001 - 06/2007
<b>Assistant Chief</b> - Blanchfield Army Community Hospital, Medical Corps, US Army, Fort Campbell, Kentucky	07/2005 - 07/2007
<b>Battalion Surgeon</b> - 3/187th IN, 3BCT, 101st Airborne Division (Air Assault), US Army, Fort Campbell, Kentucky	08/2005 - 10/2008
<b>Major</b> - US Army, Washington, District of Columbia	06/2007 - 09/2011
<b>Battalion Surgeon</b> - 2/27th, 31BCT, 25th Infantry Division, US Army, Schofield Barracks, Hawaii	08/2008 - 05/2009
<b>Assistant Chief</b> - Walter Reed Army Medical Center, US Army, Washington, District of Columbia	05/2009 - 09/2011
<b>Transitional Chief</b> - Dewitt Army Medical Center, US Army, Fort Belvoir, Virginia	01/2010 - 09/2011
<b>Honorable Discharge</b> - US Army, Washington, District of Columbia	09/2011

**Community Memberships and Services**

American Legion	
Member	06/2024 – Present
Arizona Honor Flight	
Physician	01/2025 - Present
Archbishop Carroll High School	
Head Team Physician	08/2015 - 06/2018
Catholic University of America	
Physician	09/2013 - 07/2014
Head Team Physician	07/2014 - 09/2016
Physician	09/2016 - 06/2018
Clarksville Fox Women's Football	
Head Team Physician	2006 – 2007
COL Zaduk Magruder High School	
Medical Director	05/2013 - 06/2018
Head Team Physician	05/2013 - 06/2018
DC United	
Physician	10/2012 - 07/2018
Fiesta Bowl Charities	
Fiesta Bowl Committee	
Yellow Jacket	03/2019 – 03/2024
Girls On The Run	
Board of Directors	07/2020 - 01/2024
Juan Diego High School Football	
Team Physician	08/2007 - 11/2007
Multiple Sclerosis Walk	
Physician	06/2005
National Breast Cancer Walk	
Physician	05/2004
Scottsdale Unified School District	
Physician	09/2018 - Present
Special Olympics	
Physician	
Bowling	01/2002
Track & Field	05/2003
Medical Director	
Special Olympics AZ Medfest	10/2018 – 12/2024
Veterans of Foreign Wars (VFW)	
Member	07/2021 - Present
West Springfield High School	
Head Team Physician	05/2012 - 06/2018

**9. Professional Memberships and Societies****Professional Memberships and Services**

American Academy of Physical Medicine & Rehabilitation	
Member	2000 - Present
Fellow	2006 - Present

Concussion Committee	
Member	2015 - 2024
Chair	2017 - 2024
Musculoskeletal Council	
Education Committee	
Vice Chair	2013 - 2016
Chair Elect	2016 - 2018
Chair	2018 - 2020
American Academy of Physical Medicine and Rehabilitation (AAPM&R)	
Case Study Committee	
Project Manager	2011 - 2014
American Academy of Physical Medicine and Rehabilitation	
Board of Governors	
Nominating Committee	
Member-at-Large	2019 - 2022
American Association of Physical Medicine and Rehabilitation	
Member	2000 - Present
American College of Sports Medicine	
Member	2007 - Present
Anti-Doping Committee	
Member	2008 - 2013
American Medical Society of Sports Medicine	
Member	2007 - Present
Fellowship Committee	
Member	2011 - Present
American Osteopathic Association	
Member	1997 - 2005
House of Delegates	
Elected Representative	1998 - 1999
American Society of Interventional Pain Physicians	
Member	2009 - Present
Association of Academic Physiatrists	
Member	2003 - 2006
British Association of Sports and Exercise Medicine	
Member	2007 - Present
Girls on the Run Arizona	
Board of Directors	
Member	07/2020 – 01/2024
Maryland Society of Interventional Pain Physicians	
Member	2009 – 2018
Maryland Society of Physical Medicine and Rehabilitation	
Member	2011 – 2018
Secretary/Treasurer	2014 – 2015
Vice President	2015 – 2018
National Basketball Association (NBA)	
Physician's Association	
Member	2014 – 2019

Concussion Committee	
Member	2015 – 2019
Draft Combine Committee	
Member	2015 – 2019
Pennsylvania Osteopathic Medical Association	
Member	1997 – 2001
Physiatric Association of Spine, Sports and Occupational Rehabilitation	
Member	2007 – 2009
Spine Interventional Society	
Member	2010 – Present
United States Paralympic Alpine Ski Team	
Medical Director	2010 – 2024
Head Team Physician	2010 – 2024
United States Para-snowboarding	
Medical Director	2010 – 2024
Head Team Physician	2010 – 2024
Wilderness Medical Society	
Member	2010 – Present

### **Journal Editorial Responsibilities**

Adaptive Sports Medicine: A Clinical Guide	
Editor (1 <sup>st</sup> Edition)	2016
Editor (2 <sup>nd</sup> Edition)	2023
American Family Physician	
Editorial Board	2011 – Present
Journal of Alternative and Integrative Medicine	
Editor-in-Chief	2012 – Present
Editorial Board	2012 – Present
Journal of the American Osteopathic Association	
Editorial Board	2020 – Present
Sports Review Journal	
Editorial Board	2015 – Present

### **Journal Other Responsibilities**

American Journal of Physical Medicine & Rehabilitation	
Reviewer	2007 – 2008
Reviewer	2011 – Present
Journal of Back and Musculoskeletal Rehabilitation	
Reviewer	2012 – Present
Journal of Pain Research	
Reviewer	2011 – Present
Pain Medicine	
Reviewer	2014 – Present
Physical Medicine and Rehabilitation (PM&R)	
Reviewer	2011 – Present
Sports Health	
Reviewer	2013 – Present

## 10. Education Interests and Accomplishments

### B. Teaching

Journal Club, PM&R Research, Chief Resident Monthly Sessions Walter Reed Army Medical Center	2004 – 2005
Residency Didactics, Chief Resident, PM&R Residency Half Day Weekly and One Hour Sessions-Four Days/Week Walter Reed Army Medical Center/National Capital Consortium	2004 – 2005
Primary Care Sports Medicine, Lecture Series, Director One Hour Weekly Sessions University of Utah	2007 – 2008
Journal Club, PM&R Research, Chief Resident Monthly Sessions Walter Reed Army Medical Center	2008 – 2011
Musculoskeletal Physical Examination and Injection Techniques, Director and Instructor Musculoskeletal Medicine, PM&R - One Full Day of Instruction per Semester Uniformed Services University of Health Sciences	2008 – 2011
Introduction to Clinical Reasoning, Director and Instructor Musculoskeletal Medicine, PM&R - One Full Day of Instruction per Semester Uniformed Services University of Health Sciences	2008 – 2011
Musculoskeletal Physical Examination and Assessment, PM&R Outpatient Didactics, Director and Instructor One Full Day of Instruction per Semester Walter Reed Army Medical Center	2008 – 2011
Musculoskeletal Ultrasound, PM&R Outpatient Didactics, Director and Instructor One Hour Weekly Sessions Walter Reed Army Medical Session	2008 – 2011
The Role of Physiatry in the Combat Military Grand Rounds Philadelphia College of Osteopathic Medicine	10/2009
Lower Extremity Amputations and Prosthetic Management Grand Rounds University of Virginia	02/2010
Medical Care and Rehabilitation of the Combat Amputee Grand Rounds New York College of Osteopathic Medicine	02/2010
Adaptive Sports Medicine Grand Rounds University of Florida	05/2010
Residency Didactics, Program Director, PM&R Residency Half Day Weekly Walter Reed Army Medical Center/National Capital Consortium	07/2010 - 07/2011
Sports Medicine and the Adaptive Athlete USUHS Primary Care Sports Medicine / WRAMC Physical Medicine & Rehabilitation Joint Sports Medicine Conference Uniformed Services University of Health Sciences - USUHS / Walter Reed Army Medical Center - WRAMC Washington, District of Columbia	04/2011

Sports Concussions: Current Guidelines and Management Grand Rounds National Rehabilitation Hospital Washington, District of Columbia	09/2011
Adaptive Sports Medicine Grand Rounds National Rehabilitation Hospital Washington, District of Columbia	12/2011
Musculoskeletal Ultrasound Monthly Resident Rotations MedStar Georgetown University Hospital/National Rehabilitation Hospital, PM&R Residency	2011 – 2018
MedStar NRH/WHC/GUH, NCC/USUHS, Virginia Commonwealth University (VCU)- Fairfax, Sports Medicine Didactics One Hour Monthly Lecture, 4 Hour Bi-Monthly Hands On Ultrasound Training Uniformed Services University of Health Sciences	2011 – 2018
Musculoskeletal Medicine: Physical Examination and Assessment One Hour Weekly Sessions MedStar Georgetown University Hospital/National Rehabilitation Hospital, PM&R Residency	2011 – 2018
The Use of Ultrasound in the Upper Extremity and Live Demonstration MedStar Annual Worker's Compensation Educational Series Greenbelt, Maryland	03/2012
Adaptive Sports Medicine Grand Rounds Uniformed Services University of Health Sciences - USUHS Bethesda, Maryland	04/2012
Cervical Spine Grand Rounds Uniformed Services University of Health Sciences - USUHS Bethesda, Maryland	12/2012
Sports Dermatology Lecture Series MedStar national Rehabilitation Network at McLean McLean, Virginia	06/2013
Adaptive Sports Medicine Grand Rounds Montefiore Medical Center - University Hospital for Albert Einstein College of Medicine Bethesda, Maryland	07/2013
Lumbar Disorders Grand Rounds Uniformed Services University of Health Sciences - USUHS Bethesda, Maryland	10/2013
Musculoskeletal Ultrasound Guided Injections Cadaveric Course Uniformed Services University of Health Sciences - USUHS Bethesda, Maryland	12/2013
Musculoskeletal Ultrasound of the Hip Uniformed Services University of Health Sciences - USUHS Bethesda, Maryland	12/2013
Musculoskeletal Ultrasound: Anatomy and Pathology of the Hip Uniformed Services University of Health Sciences - USUHS Bethesda, Maryland	12/2013

Musculoskeletal Ultrasound Guided Injections Cadaveric Course Uniformed Services University of Health Sciences - USUHS Bethesda, Maryland	01/2014
Platelet Rich Plasma (PRP) Injections in Sports Medicine Physical Therapy Sports Residency MedStar National Rehabilitation Network at McLean McLean, Virginia	05/2014
Sports Concussions: Current Guidelines and Management Grand Rounds MedStar Montgomery Medical Center Olney, Maryland	06/2014
Medical Emergencies in Sports Medicine Tri-Services Military Sports Medicine USUHS Bethesda, Maryland	08/2014
Assessment and Rehabilitation of Elbow Pain in the Overhead Throwing Athlete MedStar National Rehabilitation Network at McLean - Physical Therapy Sports Residency McLean, Virginia	08/2014
Adaptive Sports Medicine Grand Rounds - Annual Licht Lecture University of Minnesota Minneapolis, Minnesota	10/2014
Adaptive Sports Medicine Grand Rounds - Annual Licht Lecture Wayne State University Detroit, Michigan	07/2015
Concussions in Youth Sports Grand Rounds Children's National Medical Center Washington, District of Columbia	11/2015
MSK Longitudinal Course in Basic Doctoring Faculty Mayo Clinic School of Medicine Scottsdale, Arizona	2018 – 2024
MSK Pre-Clinical Education Faculty Mayo Clinic School of Medicine Scottsdale, Arizona	2018 – 2024
MSK Longitudinal Course in Advanced Doctoring Faculty, ICE 5 Mayo Clinic School of Medicine Scottsdale, Arizona	2018 – 2024
MSK Longitudinal Course in Advanced Doctoring Faculty, ICE 5 Mayo Clinic School of Medicine Scottsdale, Arizona	2018 – 2024
MSK Longitudinal Course in Advanced Doctoring Faculty, ICE 6 Mayo Clinic School of Medicine Scottsdale, Arizona	2018 – 2024

Sports Medicine Rotation PM&R Residency Honor Health/Veteran's Administration Scottsdale, Arizona	2019 – 2024
Residency Boot Camp Course Director Mayo Clinic School of Medicine Scottsdale, Arizona	2019 – 2024
Upper Extremity Sports Injuries Sports Medicine Rotation; PM&R Residency Honor Health/Veteran's Administration Scottsdale, Arizona	10/2019
Sports Medicine Fellowships Faculty Mayo Clinic Minneapolis/Rochester, Minnesota	2019 – 2024
Lower Extremity Sports Injuries Sports Medicine Rotation; PM&R Residency Honor Health/Veteran's Administration Scottsdale, Arizona	05/2020
The Role of the Team Physician Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	08/2020
Bone Injuries and Conditions Mayo Clinic Rochester & Minneapolis Sports Medicine Minneapolis, Minnesota	12/2020
Fracture and Dislocation Management Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	12/2020
Cartilage and Joint Injuries and Conditions Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	12/2020
Adaptive Sports Medicine Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	05/2021
The Role of the Team Physician Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	08/2021
Bone Injuries and Conditions Mayo Clinic Rochester & Minneapolis Sports Medicine Minneapolis, Minnesota	12/2021
Cartilage and Joint Injuries and Conditions Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	12/2021

Fracture and Dislocation Management Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	12/2021
Adaptive Sports Medicine Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	05/2022
Introduction to Regenerative Medicine for MSK Grand Rounds, Nurse Practitioner Physician Assistant (NPPA) Council Mayo Clinic Phoenix, Arizona	06/2022
The Role of the Team Physician Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	08/2022
Bone Injuries and Conditions Mayo Clinic Rochester & Minneapolis Sports Medicine Minneapolis, Minnesota	12/2022
Cartilage and Joint Injuries and Conditions Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	12/2022
Fracture and Dislocation Management Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	12/2022
Adaptive Sports Medicine Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	02/2023
The Role of the Team Physician Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	08/2023
Bone Injuries and Conditions Mayo Clinic Rochester & Minneapolis Sports Medicine Minneapolis, Minnesota	12/2023
Cartilage and Joint Injuries and Conditions Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	12/2023
Fracture and Dislocation Management Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	12/2023
Adaptive Sports Medicine Sports Medicine Fellowship Didactics Mayo Clinic Minneapolis/Rochester, Minnesota	02/2024

### **C. Academy of Educational Excellence**

Excellence in Teaching at the Legacy level on this date March 2019

**D. Mentorship**

<b>Individual and Position</b>	<b>Timeframe</b>	<b>Outcomes</b>	<b>Current Status</b>
Chen, Yin Ting PM&R Resident	5/2009 - 6/2011 Mentored in Ultrasound and Prolotherapy	Multiple abstracts and posters at AAP, AAPM&R, AMSSM, and ACSM; Peer Reviewed Manuscript Publication, Abstract Publications, Textbook Chapter	Director of Sports Medicine, Fort Carson, CO
Kroski, William PM&R Resident	5/2009 - 6/2011 Mentored in Ultrasound and Prolotherapy	Multiple abstracts and posters at AAP and AAPM&R, Abstract Publications	Faculty, Walter Reed National Military Medical Center, PM&R Residency
McCallin, John PM&R Resident	7/2009 - 6/2012 Mentored Ultrasound, PRP, Prolotherapy, & Spine Injections	Multiple abstracts and posters at AAP, AAPM&R, AMSSM, and ACSM, Abstract Publications	Fellowship Director, Pain Fellowship, Fort Sam Houston, TX
Azeem, Nomen	1/2010 - 1/2012 Mentored in Ultrasound, PRP, Prolotherapy & Spine Injections	Poster Presentation at AAP, AAPM&R; Manuscript	Associate Professor of Pain at University of South Florida
Susmarski, Adam Medical Student	8/2010 - 6/2016 Mentored as a medical student, resident, and junior staff/ Mentored in PRP, US, Regenerative Medicine	Abstract & Panel Presentation-ACSM, Poster-National Military Research Symposium- Won Research of the Year, Peer Reviewed Manuscript Publication	Faculty, Sports Medicine, US Naval Academy
Karam, Christopher	1/2011 - 1/2014 Georgetown University Hospital/NRH PM&R Resident / Mentored in PRP, US, Spine, & Regenerative Medicine, IRB Research	Abstract, Poster, & Panel Presentation at ACSM, ASIPP, UPitt, and MedStar Health Symposium, Textbook Chapter Publication,	Faculty Sports Medicine, Private Practice
Thomas, Rei	7/2011 - 6/2018 Georgetown University, MNRH Sports Medicine Fellow / Mentored in PRP, US, Spine, & Regenerative Medicine	Poster Presentation at AMSSM, Peer Reviewed Manuscript	Faculty, Walter Reed National Military Medical Center, PM&R Residency
Gordon, Andrew	2/2012 - 6/2017 Johns Hopkins University PM&R Resident, Georgetown University/MNRH Sports Medicine Fellow / Mentored in PRP, Spine, Regenerative Medicine, IRB Research	Abstract, Poster, & Panel Presentation at ACSM, AMSSM, AAP, UPitt, and MSH Symposium, Textbook Chapter Publication 2 Manuscripts under revision for publication	Director of Sports Medicine, MOST, Center for Advanced Orthopedics

Guerrero, Luis Fellow	5/2012 - 6/2015 Georgetown University, MNRH Sports Medicine Fellow / Mentored in PRP, US, Spine, & Regenerative Medicine	Poster Presentation at AMSSM, Multiple Textbook Chapter Publications	Faculty, Sports Medicine, Assistant Professor, Georgetown University School of Medicine
Blatz, Daniel Fellow	7/2012 - 8/2013 Georgetown University/MNRH Sports Medicine Fellow / Mentored in PRP, US, Spine, & Regenerative Medicine, IRB Research	Abstract, Poster, & Panel Presentation at ACSM, AMSSM, and MSH Symposium, Textbook Chapter Publications 2 Manuscripts under revision for publication	Faculty, Sports Medicine Northwestern University Shirley Ryan Ability Center
Caldwell, Mary	7/2016 - 8/2017 Georgetown University, MNRH Sports Medicine Fellow / Mentored in PRP, US, Spine, & Regenerative Medicine	Poster Presentation at AMSSM, Multiple Textbook Chapter Publications	Faculty, Sports Medicine Virginia Commonwealth University
Grunner, Marc	1/2017 - 1/2018 Georgetown University, MNRH Sports Medicine PM&R Resident / Mentored in PRP, US, & Regenerative Medicine	Helped develop Ultrasound Rotation and Curriculum for PM&R Residency	Continuing PM&R Residency, PGY4
Adam, Jessalynn	7/2017 - 6/2018 Georgetown University, MNRH Sports Medicine Fellow / Mentored in PRP, US, Spine, & Regenerative Medicine	Poster Presentation at AMSSM, Peer Reviewed Manuscript	Graduating Fellow, will proceed as Faculty, Sports Medicine, Mercy Hospital

### E. Academic Career Development

Association of Academic Physiatrists (AAP) Program Director Workshop AAP Annual Meeting Bonita Springs, Florida	2010
AAP Program Director Workshop AAP Annual Meeting Phoenix, Arizona	2011
Academic Faculty Development Program MedStar National Rehabilitation Hospital Washington, District of Columbia	2011
AMSSM Fellowship Director Workshop AMSSM Annual Meeting Atlanta, Georgia	2012
AMSSM Teach The Teacher AMSSM Annual Meeting Atlanta, Georgia	2012
Academic Faculty Development Program MedStar National Rehabilitation Hospital Washington, District of Columbia	2012

AAPM&R Fellowship Director Workshop AAPM&R Annual Assembly Atlanta, Georgia	2012
AMSSM Teach The Teacher AMSSM Annual Meeting San Diego, California	2013
AMSSM Fellowship Director Workshop AMSSM Annual Meeting San Diego, California	2013
Physician Leadership Development MedStar Health Columbia, Maryland	2013
Academic Faculty Development Program MedStar National Rehabilitation Hospital Washington, District of Columbia	2013
AAPM&R Fellowship Director Workshop AAPM&R Annual Assembly Washington, District of Columbia	2013
AMSSM Teach The Teacher AMSSM Annual Meeting New Orleans, Louisiana	2014
AMSSM Fellowship Director Workshop AMSSM Annual Meeting New Orleans, Louisiana	2014
Physician Leadership Development MedStar Health Columbia, Maryland	2014
Academic Faculty Development Program MedStar National Rehabilitation Hospital Washington, District of Columbia	2014
AAPM&R Fellowship Director Workshop AAPM&R Annual Assembly San Diego, California	2014
Musculoskeletal Ultrasound: An Evidence Based Approach to the Education of Anatomy and Physical Exam Teaching the incorporation of musculoskeletal ultrasound into anatomy and physical exam education AAP Annual Meeting San Antonio, Texas	2015
MedStar Georgetown GME Program Director Retreat GME Residency and Fellowship Program Director Educational Retreat MedStar Georgetown GME Program Director Retreat Annapolis, Maryland	2015
AMSSM Teach The Teacher AMSSM Annual Meeting Fort Lauderdale (Hollywood), Florida	2015
AMSSM Fellowship Director Workshop AMSSM Annual Meeting Fort Lauderdale (Hollywood), Florida	2015
Physician Leadership Development MedStar Health Columbia, Maryland	2015

Physician Leadership Development MedStar Health Columbia, Maryland	2015
Academic Faculty Development Program MedStar National Rehabilitation Hospital Washington, District of Columbia	2015
AAPM&R Fellowship Director Workshop AAPM&R Annual Assembly Boston, Massachusetts	2015
MedStar Georgetown GME Program Director Retreat GME Residency and Fellowship Program Director Educational Retreat MedStar Georgetown GME Program Director Retreat Annapolis, Maryland	2016
Accreditation Council for Graduate Medical Education Annual Meeting Annual Meeting for ACGME and including sessions on education, milestones, and innovations in teaching Accreditation Council for Graduate Medical Education Annual Meeting Washington, DC, United States of America	2016
AMSSM Teach The Teacher AMSSM Annual Meeting Dallas, Texas	2016
AMSSM Fellowship Director Workshop AMSSM Annual Meeting Dallas, Texas	2016
Physician Leadership Development MedStar Health Columbia, Maryland	2016
Academic Faculty Development Program MedStar National Rehabilitation Hospital Washington, District of Columbia	2016
AAPM&R Fellowship Director Workshop AAPM&R Annual Assembly New Orleans, Louisiana	2016
MedStar Georgetown GME Program Director Retreat GME Residency and Fellowship Program Director Educational Retreat MedStar Georgetown GME Program Director Retreat Annapolis, Maryland	2017
AMSSM Fellowship Director Workshop AMSSM Annual Meeting San Diego, California	2017
AMSSM Teach The Teacher AMSSM Annual Meeting San Diego, California	2017
Physician Leadership Development MedStar Health Columbia, Maryland	2017
Academic Faculty Development Program MedStar National Rehabilitation Hospital Washington, District of Columbia	2017
AAPM&R Fellowship Director Workshop AAPM&R Annual Assembly Denver, Colorado	2017

MedStar Georgetown GME Program Director Retreat GME Residency and Fellowship Program Director Educational Retreat MedStar Georgetown GME Program Director Retreat Annapolis, Maryland	2018
AMSSM Teach The Teacher AMSSM Annual Meeting Orlando, Florida	2018
AMSSM Fellowship Director Workshop AMSSM Annual Meeting Orlando, Florida	2018
Physician Leadership Development MedStar Health Columbia, Maryland	2018
Academic Faculty Development Program MedStar National Rehabilitation Hospital Washington, District of Columbia	2018
Academic Faculty Development Mayo Clinic Alix School of Medicine Scottsdale, Arizona	2019
AMSSM Teach The Teacher AMSSM Annual Meeting Houston, Texas	2019
Academic Faculty Development Mayo Clinic Alix School of Medicine Scottsdale, Arizona	2020
AMSSM Teach The Teacher AMSSM Annual Meeting Austin, Texas	2022
AMSSM Teach The Teacher AMSSM Annual Meeting Phoenix, Arizona	2023
AMSSM Teach The Teacher AMSSM Annual Meeting Baltimore, Maryland	2024

#### **F. Educational Activities**

Sports Medicine, Musculoskeletal Ultrasound, Regenerative Medicine, Concussion, Spine Care, Adaptive Athlete, Sports Rehabilitation, Sports Performance

## 11. Institutional/Departmental Administrative Responsibilities, Committee Memberships and Other Activities

### Mayo Clinic in Rochester

Department of Physical Medicine & Rehabilitation  
Enterprise Research Committee  
Co-Chair

11/2020 – 03/2024

### Mayo Clinic in Arizona

Department of Physical Medicine & Rehabilitation  
Research Committee  
Vice Chair

07/2020 – 03/2024

Return to Play Concussion Committee  
Committee Member

07/2018 – 03/2024

### Mayo Clinic in Arizona

Department of Education Administration  
Mayo Clinic College of Medicine and Science  
Mayo Clinic Alix School of Medicine  
Education Committee

Sub-Internship/Clinical Elective Subcommittee  
Committee Member

10/2019 – 03/2024

Internship Bootcamp  
Course Director

09/2019 – 03/2024

Mayo Employee Resource Group  
disABILITY MERG  
Committee Member

07/2018 – 03/2024

### International, National & Other Local Activities

American Academy of Neurology  
Committee Member

2017 – 2023

AAN Concussion Outcome Measures Workgroup

American Academy of Physical Medicine and Rehabilitation  
Chair

2017 – 2024

Chair of the AAPM&R Concussion Committee

Director

2019 – 2024

AAPM&R STEP Concussion Program

### Fiesta Bowl Committee

Yellow Jacket

2019 – 2024

### Girls On The Run

Board of Directors

2020 – 2024

Lake Erie College of Osteopathic Medicine  
Class President

1999 – 2001

Lake Erie College of Osteopathic Medicine; Student Government  
President

1998 – 1999

MLB Washington Nationals  
Physician

2012 - 2016

National Amputee Golf Association Event  
Physician

08/2004

National Women's Soccer League Washington Spirit  
Team Physician

2013 - 2018

NBA Draft Combine	
Physician	05/2015
Physician	05/2016
NBA Washington Wizards	
Head Team Physician	2014 - 2018
Sports Performance Director	2016 - 2018
United Soccer League Phoenix Rising FC	
Team Physician	2018 - 2024
United States of American Boxing	
Ringside Physician	2007 – Present
United States Paralympics - Para-snowboarding	
Head Team Physician	2010 – 2024
United States Ski & Snowboarding Association - Adaptive Skiing	
Head Team Physician	2010 – 2024
Veterans of Foreign Wars	
Senior Vice Commander	2026 – Present
Golf Committee Member	2020 – Present
Walter Reed Army Medical Center	
House Staff Council	
Internship Representative	2001 – 2002
Internship Class	
President	2002
Professional Education and Training Committee	
Internship Representative	2001 – 2002
WNBA Washington Mystics	
Medical Director	2015 - 2018
Head Team Physician	2015 - 2018

## 12. Presentations Extramural

### National or International

#### Invited

Sports Medicine and the Adaptive Athlete 19th Annual Medical Athletic Association Symposium at the Marine Corps Marathon	10/2010
Warrior Games: The US Paralympic Military Program's New National Competition American College of Sports Medicine Denver, Colorado	06/2011
Considerations for the Amputee Athlete and Les Autres American Orthopaedic Society for Sports Medicine San Diego, California	07/2011
Wheelchair Athletes American Orthopaedic Society for Sports Medicine San Diego, California	07/2011
Adaptive Sports Medicine 26th Annual Physical Medicine and Rehabilitation Update Conference Bethesda, Maryland	03/2012
Advanced Musculoskeletal Ultrasound Pre-Conference - Table Instructor	04/2012

American Medical Society of Sports Medicine Atlanta, Georgia	
Introduction to Musculoskeletal Ultrasound Pre-Conference - Table Instructor American Medical Society of Sports Medicine Atlanta, Georgia	04/2012
Musculoskeletal Ultrasound in Sports Medicine Ultrasound in Acute and Chronic Pain: Foundational Musculoskeletal Sonography and Guided Injection Mechanics. National Rehabilitation Hospital Washington, District of Columbia	05/2012
Ultrasound Guidance for Hip Injections Wounded Warrior Pain Care Symposium 2012: Ultrasound Guidance for Chronic Pain - Naval Medical Center San Diego, California	09/2012
Ultrasound Guidance for Knee Injections Wounded Warrior Pain Care Symposium 2012: Ultrasound Guidance for Chronic Pain - Naval Medical Center San Diego, California	09/2012
Adaptive Sports Medicine: The Adaptive Athlete, Advances in Adaptive Technology and Unique Challenges in Regulating Competition American Academy of Physical Medicine & Rehabilitation Atlanta, Georgia	10/2012
Wheelchair Sports 21st Annual American Medical Athletic Association Symposium at the Marine Corps Marathon	10/2012
Advanced Musculoskeletal Ultrasound Table Instructor American Medical Society for Sports Medicine San Diego, California	04/2013
Introduction to Musculoskeletal Ultrasound Table Instructor American Medical Society for Sports Medicine San Diego, California	04/2013
Ultrasound Guidance for Hip and Knee Injections Table Instructor Wounded Warrior Pain Care Symposium 2013: Ultrasound Guidance for Chronic Pain Naval Medical Center Portsmouth, Virginia	09/2013
Ultrasound Guidance for Hip Injections Wounded Warrior Pain Care Symposium 2013: Ultrasound Guidance for Chronic Pain Naval Medical Center Portsmouth, Virginia	09/2013
Ultrasound Guidance for Knee Injections Wounded Warrior Pain Care Symposium 2013: Ultrasound Guidance for Chronic Pain Naval Medical Center Portsmouth, Virginia	09/2013
Musculoskeletal Ultrasound of the Knee Workshop Director - Table Instructor American Academy of Physical Medicine & Rehabilitation National Harbor, Maryland	10/2013
Musculoskeletal Ultrasound of the Lower Extremity Table Instructor PM&R Short Course: Musculoskeletal Ultrasound Conference - USUHS Bethesda, Maryland	10/2013

Musculoskeletal Ultrasound: Anatomy of the Hip PM&R Short Course: Musculoskeletal Ultrasound Conference - USUHS Bethesda, Maryland	10/2013
Musculoskeletal Ultrasound: Anatomy of the Knee PM&R Short Course: Musculoskeletal Ultrasound Conference - USUHS Bethesda, Maryland	10/2013
Musculoskeletal Ultrasound: Pathology of the Hip PM&R Short Course: Musculoskeletal Ultrasound Conference - USUHS Bethesda, Maryland	10/2013
Musculoskeletal Ultrasound: Pathology of the Knee PM&R Short Course: Musculoskeletal Ultrasound Conference - USUHS Bethesda, Maryland	10/2013
Adaptive Sports Medicine: The Sochi Experience American Medical Society of Sports Medicine New Orleans, Louisiana	04/2014
Advanced Musculoskeletal Ultrasound Pre-Conference - Table Instructor American Medical Society of Sports Medicine New Orleans, Louisiana	04/2014
Introduction to Musculoskeletal Ultrasound Pre-Conference - Table Instructor American Medical Society of Sports Medicine New Orleans, Louisiana	04/2014
Olympic/Paralympic Experiences Olympic Special Interest Group American Medical Society of Sports Medicine New Orleans, Louisiana	04/2014
Adaptive Sports Medicine American College of Sports Medicine Orlando, Florida	05/2014
Elbow Pain in a 15-Year-Old Flame Thrower American College of Sports Medicine Orlando, Florida	05/2014
Musculoskeletal Ultrasound of the Shoulder Workshop Director - Table Instructor MedStar Sports Medicine: The Athlete's Shoulder Washington, District of Columbia	05/2014
PRP, Stem Cells, and Emerging Therapies for the Treatment of Athlete's Shoulder MedStar Sports Medicine: The Athlete's Shoulder Washington, District of Columbia	05/2014
Sonographic Evaluation of Elbow Pathologies PM&R Short Course: Musculoskeletal Ultrasound Conference - USUHS Bethesda, Maryland	09/2014
Ultrasound Guidance for Elbow Injections Table Instructor PM&R Short Course: Musculoskeletal Ultrasound Conference - USUHS Bethesda, Maryland	09/2014
Ultrasound Guidance for Hip and Knee Injections Table Instructor Wounded Warrior Pain Care Symposium 2014: Ultrasound Guidance for Chronic Pain - Navel Medical Center San Diego, California	09/2014

Ultrasound Guidance for Hip Injections Wounded Warrior Pain Care Symposium 2014: Ultrasound Guidance for Chronic Pain - Navel Medical Center San Diego, California	09/2014
Ultrasound Guidance for Knee Injections Wounded Warrior Pain Care Symposium 2014: Ultrasound Guidance for Chronic Pain - Navel Medical Center San Diego, California	09/2014
Ultrasound Guidance for Shoulder Injections Table Instructor PM&R Short Course: Musculoskeletal Ultrasound Conference - USUHS Bethesda, Maryland	09/2014
Ultrasound Guided Injections of the Elbow PM&R Short Course: Musculoskeletal Ultrasound Conference - USUHS Bethesda, Maryland	09/2014
Ultrasound Guided Injections of the Shoulder PM&R Short Course: Musculoskeletal Ultrasound Conference - USUHS Bethesda, Maryland	09/2014
Ultrasound of the Elbow Table Instructor PM&R Short Course: Musculoskeletal Ultrasound Conference - USUHS Bethesda, Maryland	09/2014
Advances in Adaptive Technology: Sports Prosthesis American Academy of Physical Medicine & Rehabilitation San Diego, California	11/2014
Manual Manipulation for Common Exercise Injuries and the Muscle Energy Home Exercise Program Workshop - Table Instructor American Academy of Physical Medicine & Rehabilitation San Diego, California	11/2014
Manual Manipulation for the Adaptive Sports Athlete Workshop - Table Instructor American Academy of Physical Medicine & Rehabilitation San Diego, California	11/2014
Musculoskeletal Ultrasound of the Foot and Ankle Workshop Director - Table Instructor American Academy of Physical Medicine & Rehabilitation San Diego, California	11/2014
Overhead Throwers: An Interactive Workshop on History Taking, Physical Examination, and Return to Play in this Unique Population Workshop - Table Instructor American Academy of Physical Medicine & Rehabilitation San Diego, California	11/2014
Ultrasound of the Knee Workshop - Table Instructor American Academy of Physical Medicine & Rehabilitation San Diego, California	11/2014
Musculoskeletal Ultrasound: An Evidence Based Approach to the Education of Anatomy and Physical Exam Association of Academic Physiatrists San Antonio, Texas	03/2015

Advanced Sports Ultrasound Pre-Conference - Table Instructor American Medical Society of Sports Medicine Fort Lauderdale, Florida	04/2015
Sports Ultrasound: Fundamentals of the Upper Extremity Pre-Conference - Table Instructor American Medical Society of Sports Medicine Fort Lauderdale, Florida	04/2015
The Olympic and Paralympic Team Physician American Medical Society of Sports Medicine Fort Lauderdale, Florida	04/2015
Top 3 Things Every Sports Medicine Physician Should Know About Adaptive Sports American Medical Society of Sports Medicine Fort Lauderdale, Florida	04/2015
Advances in Adaptive Sports Prosthetics American College of Sports Medicine San Diego, California	05/2015
Wheelchair Sports American College of Sports Medicine San Diego, California	05/2015
Ultrasound Guided Injections of the Anterior Abdominal Wall Wounded Warrior Pain Skills Care Symposium - Walter Reed Military Medical Center Bethesda, Maryland	09/2015
Ultrasound Guided Injections of the Anterior Abdominal Wall Table Instructor Wounded Warrior Pain Skills Care Symposium - Walter Reed Military Medical Center Bethesda, Maryland	09/2015
Ultrasound Guided Injections of the Lower Extremity Peripheral Nerves Table Instructor Wounded Warrior Pain Skills Care Symposium - Walter Reed Military Medical Center Bethesda, Maryland	09/2015
Ultrasound Guided Injections of the Lumbar Spine Table Instructor Wounded Warrior Pain Skills Care Symposium - Walter Reed Military Medical Center Bethesda, Maryland	09/2015
Ultrasound Guided Injections of the Upper Extremity Peripheral Nerves Table Instructor Wounded Warrior Pain Skills Care Symposium - Walter Reed Military Medical Center Bethesda, Maryland	09/2015
Adaptive Sports Medicine: A Case-Based Discussion of Injury Management and Prevention Table Instructor American Academy of Physical Medicine & Rehabilitation Boston, Massachusetts	10/2015
Basics of Manual Manipulation in Physiatry: Start Here! Workshop - Table Instructor American Academy of Physical Medicine & Rehabilitation Boston, Massachusetts	10/2015
Comprehensive Evidence-Based MSK Physical Exam Skill for Assessment of the Injured Athlete Workshop - Moderator and Table Instructor American Academy of Physical Medicine & Rehabilitation Boston, Massachusetts	10/2015

From the Clinic to the Ballpark and Back Again: Preventing Throwing Injuries Before They Happen American Academy of Physical Medicine & Rehabilitation Boston, Massachusetts	10/2015
Manual Manipulation and Home Exercises to Compliment Common Injection Procedures Workshop - Table Instructor American Academy of Physical Medicine & Rehabilitation Boston, Massachusetts	10/2015
Manual Manipulation for Post Concussive and Whiplash Syndromes Workshop - Table Instructor American Academy of Physical Medicine & Rehabilitation Boston, Massachusetts	10/2015
Manual Manipulation in the Inpatient Setting: From ICU to the Acute Rehab Floor Workshop - Table Instructor American Academy of Physical Medicine & Rehabilitation Boston, Massachusetts	10/2015
Manual Manipulative Medicine: A Structural Examination for Lower Back Pain Workshop - Table Instructor American Academy of Physical Medicine & Rehabilitation Boston, Massachusetts	10/2015
Adaptive Sports Medicine: The Sochi Experience Maryland Society of PM&R Baltimore, Maryland	11/2015
Sports Ultrasound: Fundamentals of the Upper Extremity Pre-Conference - Table Instructor American Medical Society of Sports Medicine Dallas, Texas	04/2016
The Olympic and Paralympic Team Physician American Medical Society of Sports Medicine Dallas, Texas	04/2016
Knee Pain - Atypical Causes of Knee Pain: Remembering Your Differential Moderator American College of Sports Medicine Boston, Massachusetts	06/2016
Knee Swelling-Football American College of Sports Medicine Boston, Massachusetts	06/2016
Ultrasound Guidance for Hip and Knee Injections Table Instructor Wounded Warrior Pain Care Symposium - Naval Medical Center San Diego, California	09/2016
Ultrasound Guidance for Knee Injections Wounded Warrior Pain Care Symposium - Naval Medical Center San Diego, California	09/2016
Practicing Sports Medicine with Professional and Olympic Athletes: The Journey to the Peak American Academy of Physical Medicine & Rehabilitation New Orleans, Louisiana	10/2016
Medical Coverage for Olympic and Paralympic Athletes American Medical Society of Sports Medicine San Diego, California	05/2017

Sports Ultrasound: Fundamentals of the Upper Extremity Pre-Conference-Table Instructor American Medical Society of Sports Medicine San Diego, California	05/2017
Diagnostic Ultrasound of the Lower Extremity Workshop Table Instructor AAPM&R Annual Assembly Orlando, Florida	10/2018
Musculoskeletal Ultrasound of the Knee Lecture at AAPM&R Annual Assembly AAPM&R Annual Assembly Orlando, Florida	10/2018
Osteopathic Manipulative Medicine: An Introduction to the Basics Workshop Table Instructor AAPM&R Annual Assembly Orlando, Florida	10/2018
Ultrasound of the Peripheral Nerves Workshop Table Instructor for Upper Extremity Nerves AAPM&R Annual Assembly Orlando, Florida	10/2018
Ultrasound of the Radial Nerve Lecture at AAPM&R Annual Assembly AAPM&R Annual Assembly Orlando, Florida	10/2018
Osteopathic Manipulative Medicine: Sacro-iliac Complex and the Pelvic Floor Muscles Workshop table instructor AAPM&R Annual Assembly Orlando, Florida	10/2018
Getting Back Into The Game A review of return to play protocols for medical illnesses, musculoskeletal and neurologic injuries. Mayo Clinic Rehabilitation Update 2019 Orlando, Florida	02/2019
The Role of a Physiatrist in Sports and Spine Mayo Clinic Advances & Innovations in Complex Neuroscience Patient Care: Brain & Spine Sedona, Arizona	03/2019
ACL: Epidemiology and Mechanism of Injury Mayo Clinic Sports Medicine Summit 2019 Tempe, Arizona	04/2019
Musculoskeletal Ultrasound of the Knee Live Ultrasound Demonstration Mayo Clinic Sports Medicine Summit 2019 Tempe, Arizona	04/2019
Musculoskeletal Ultrasound of the Knee Workshop Table Instructor-Hands On Training AMSSM Annual Meeting Fundamentals of Sports Ultrasound Preconference Houston, Texas	04/2019
Musculoskeletal Ultrasound of the Shoulder Workshop Table Instructor-Hands On Training AMSSM Annual Meeting Fundamentals of Sports Ultrasound Preconference Houston, Texas	04/2019

Sonography of Shoulder Pathology AMSSM Annual Meeting Fundamentals of Sports Ultrasound Preconference Houston, Texas	04/2019
Management of Low Back Pain in the Field Prolonged Field Care and Austere Environment Critical Care Series 2019 Phoenix, Arizona	05/2019
Adaptive Cycling ACSM Annual Meeting Orlando, Florida	05/2019
Musculoskeletal Ultrasound of the Foot and Ankle International Society of Physical and Rehabilitation Medicine (ISPRM) Osaka, Japan	06/2019
Musculoskeletal Ultrasound of the Hip International Society of Physical and Rehabilitation Medicine (ISPRM) Osaka, Japan	06/2019
Musculoskeletal Ultrasound of the Knee International Society of Physical and Rehabilitation Medicine (ISPRM) Osaka, Japan	06/2019
Bone Injuries and Conditions Mayo Clinic 8th Annual Comprehensive Sports Medicine Update and Board Review 2019 Minneapolis, Minnesota	06/2019
Cartilage and Joint Injuries and Conditions Mayo Clinic 8th Annual Comprehensive Sports Medicine Update and Board Review 2019 Minneapolis, Minnesota	06/2019
Fracture and Dislocation Management Mayo Clinic 8th Annual Comprehensive Sports Medicine Update and Board Review 2019 Minneapolis, Minnesota	06/2019
Pearls for the Sports Medicine Physician Lecture at AAPM&R Annual Assembly AAPM&R Annual Assembly San Antonio, Texas	11/2019
Sideline Assessment: To Play or Not To Play, That is the Question Lecture at AAPM&R Annual Assembly AAPM&R Annual Assembly San Antonio, Texas	11/2019
The Overhead Athlete: Translation of Research to Performance and Back Again Lecture at AAPM&R Annual Assembly AAPM&R Annual Assembly San Antonio, Texas	11/2019
Ultrasound Evaluation of the Peripheral Nerves Lecture and Hands On Workshop at AAPM&R Annual Assembly AAPM&R Annual Assembly San Antonio, Texas	11/2019
Ultrasound of the Radial Nerve Lecture at AAPM&R Annual Assembly AAPM&R Annual Assembly San Antonio, Texas	11/2019
Regenerative Medicine in Pediatric and Adolescent Sports Injuries Lecture at AAPM&R Annual Assembly AAPM&R Annual Assembly San Antonio, Texas	11/2019

Regenerative Treatment of Sports Injuries in Pediatric and Adolescent Athletes: A Review of Techniques and Evidence Lecture at AAPM&R Annual Assembly AAPM&R Annual Assembly San Antonio, Texas	11/2019
Concussion: Sideline Evaluation Mayo Clinic Sports Medicine Summit 2020 Tempe, Arizona	02/2020
Musculoskeletal Ultrasound of the Shoulder Live Ultrasound Demonstration Mayo Clinic Sports Medicine Summit 2020 Tempe, Arizona	02/2020
The Role of a Physiatrist in Sports and Spine Mayo Clinic Advances & Innovations in Complex Neuroscience Patient Care: Brain & Spine Sedona, Arizona	02/2020
Ultrasound Guided Surgery Lecture at AAP Annual Meeting AAP Annual Meeting Orlando, Florida	03/2020
Bone Injuries and Conditions Mayo Clinic 9th Annual Comprehensive Sports Medicine Update and Board Review (Virtual) Minneapolis, Minnesota	06/2020
Cartilage and Joint Injuries and Conditions Mayo Clinic 9th Annual Comprehensive Sports Medicine Update and Board Review (Virtual) Minneapolis, Minnesota	06/2020
Fracture and Dislocation Management Mayo Clinic 9th Annual Comprehensive Sports Medicine Update and Board Review (Virtual) Minneapolis, Minnesota	06/2020
Administration of Platelet Rich Plasma Reduces Pain and Improves Function for Patients with Hip Labral Tears Mayo Clinic-Karolinska Institutet Regenerative Medicine Conference (Livestream Virtual) Stockholm, Sweden	09/2020
Adaptive Cycling: Common Orthopedic and Medical Issues Lecture at AAPM&R Annual Assembly AAPM&R Annual Assembly (Virtual) San Diego, California	11/2020
Adaptive Sports Medicine: The Role of the Team Physician Lecture at AAP Annual Meeting AAP Annual Meeting (Virtual) Anaheim, California	02/2021
Musculoskeletal Ultrasound In Olympics and Paralympics: A Case Based Discussion Lecture at AAP Annual Meeting AAP Annual Meeting (Virtual) Anaheim, California	02/2021
Musculoskeletal Ultrasound of the Foot and Ankle 4th Annual Mayo Clinic Sports Medicine Summit 2021: Care of the Athlete (Virtual Lecture and Demonstration) Tempe, Arizona	02/2021
Tweaking the Mechanics: Shoulder Injuries of the Throwing Athlete 5th Annual Mayo Clinic Sports Medicine for the Clinician 2021 (Livestream Virtual) Orlando, Florida	03/2021

PM&R Role in Sports Medicine Western University of Health Sciences Grand Rounds (Virtual) Pomona, California	04/2021
Adaptive Sports Medicine Medical College of Wisconsin Grand Rounds (Virtual) Milwaukee, Wisconsin	06/2021
Adaptive Sports Medicine Mayo Clinic 10th Annual Comprehensive Sports Medicine Update and Board Review (Virtual) Minneapolis, Minnesota	06/2021
Bone Injuries and Conditions Mayo Clinic 10th Annual Comprehensive Sports Medicine Update and Board Review (Virtual) Minneapolis, Minnesota	06/2021
Cartilage and Joint Injuries and Conditions Mayo Clinic 10th Annual Comprehensive Sports Medicine Update and Board Review (Virtual) Minneapolis, Minnesota	06/2021
Fracture and Dislocation Management Mayo Clinic 10th Annual Comprehensive Sports Medicine Update and Board Review (Virtual) Minneapolis, Minnesota	06/2021
Regenerative Medicine: Current Concepts Mayo Clinic MSK Imaging: Excellence through Clinical Collaboration Scottsdale, Arizona	09/2021
Regenerative Medicine: Imaging Guided Injections Mayo Clinic MSK Imaging: Excellence through Clinical Collaboration Scottsdale, Arizona	09/2021
Adaptive Sports Medicine University of Florida Grand Rounds Gainesville, Florida	01/2022
Musculoskeletal Ultrasound of the Shoulder 5th Annual Mayo Clinic Sports Medicine Summit 2022: Care of the Athlete (Virtual) Tempe, Arizona	02/2022
Physical Examination of the Spine 5th Annual Mayo Clinic Sports Medicine Summit 2022: Care of the Athlete (Virtual) Tempe, Arizona	02/2022
Mechanics of Baseball Workshop 6th Annual Mayo Clinic Sports Medicine for the Clinician 2021 (Livestream Virtual) Orlando, Florida	03/2022
Tweaking the Mechanics: Preventing Injuries in the Overhead Athlete 6th Annual Mayo Clinic Sports Medicine for the Clinician 2021 (Livestream Virtual) Orlando, Florida	03/2022
Hands-On Sports Ultrasound: Pearls and Pitfalls of the Lateral Hip Exam Table Instructor American Medical Society of Sports Medicine Austin, Texas	04/2022
One-On-One Customized Sports Ultrasound Learning Workshop: Shoulder & Elbow Table Instructor American Medical Society of Sports Medicine Austin, Texas	04/2022
One-On-One Customized Sports Ultrasound Learning Workshop: Shoulder & Knee Table Instructor American Medical Society of Sports Medicine Austin, Texas	04/2022

Adaptive Sports Equipment National Fellows Lecture (Virtual) American Medical Society of Sports Medicine Leawood, Kansas	05/2022
Regenerative Medicine: Platelet-Rich Plasma and Bone Marrow for Musculoskeletal Issues Mayo Clinic Arizona – NPPA Grand Rounds Phoenix, Arizona	06/2022
Adaptive Sports Medicine Mayo Clinic 11th Annual Comprehensive Sports Medicine Update and Board Review Minneapolis, Minnesota	06/2022
Bone Injuries and Conditions Mayo Clinic 11th Annual Comprehensive Sports Medicine Update and Board Review Minneapolis, Minnesota	06/2022
Cartilage and Joint Injuries and Conditions Mayo Clinic 11th Annual Comprehensive Sports Medicine Update and Board Review Minneapolis, Minnesota	06/2022
Fracture and Dislocation Management Mayo Clinic 11th Annual Comprehensive Sports Medicine Update and Board Review Minneapolis, Minnesota	06/2022
Orthobiologics for Upper Extremity Injuries ARMI Regenerative Medicine Conference (Virtual) Nashville, Tennessee	07/2022
Regenerative Medicine for Posterior Ankle and Achilles Tendon AAPM&R Annual Assembly Baltimore, Maryland	10/2022
Bone Injuries and Conditions Mayo Clinic Rochester & Minneapolis Sports Medicine Minneapolis, Minnesota	12/2022
Cartilage and Joint Injuries and Conditions Mayo Clinic Rochester & Minneapolis Sports Medicine Minneapolis, Minnesota	12/2022
Ultrasound of the Foot and Ankle Mayo Clinic Sports Medicine Summit 2023 (Lecture and Demonstration) Tempe, Arizona	01/2023
Musculoskeletal Ultrasound: Hands On Workshop Association of Academic Physiatrists Anaheim, California	02/2023
Orthobiologics for Upper Extremity Injuries ARMI EVOLVE Regenerative Medicine Conference (Virtual) Salt Lake City, Utah	02/2023
Orthobiologics for Upper Extremity Injuries ARMI EVOLVE Regenerative Medicine Conference (Virtual) Salt Lake City, Utah	02/2023
One-On-One Customized Sports Ultrasound Learning Workshop: Hip, Foot, & Ankle Table Instructor American Medical Society of Sports Medicine Phoenix, Arizona	04/2023
One-On-One Customized Sports Ultrasound Learning Workshop: Peripheral Nerves Table Instructor American Medical Society of Sports Medicine Phoenix, Arizona	04/2023

One-On-One Customized Sports Ultrasound Learning Workshop: Shoulder & Knee Table Instructor American Medical Society of Sports Medicine Phoenix, Arizona	04/2023
Orthobiologics Current Role with Elite Athletes American Medical Society of Sports Medicine Phoenix, Arizona	04/2023
Orthobiologics; Case Review and Panel Discussion American Medical Society of Sports Medicine Phoenix, Arizona	04/2023
Adaptive Sports Medicine: Common Medical Issues and Orthopedic Injuries ACSM Annual Meeting Denver, Colorado	05/2023
Fracture and Dislocation Management-ACSM Board Review Series ACSM Annual Meeting Denver, Colorado	05/2023
Adaptive Sports Medicine Mayo Clinic 12th Annual Comprehensive Sports Medicine Update and Board Review-Virtual Minneapolis, Minnesota	06/2023
Bone Injuries and Conditions Mayo Clinic 12th Annual Comprehensive Sports Medicine Update and Board Review-Virtual Minneapolis, Minnesota	06/2023
Cartilage and Joint Injuries and Conditions Mayo Clinic 12th Annual Comprehensive Sports Medicine Update and Board Review-Virtual Minneapolis, Minnesota	06/2023
Fracture and Dislocation Management Mayo Clinic 12th Annual Comprehensive Sports Medicine Update and Board Review-Virtual Minneapolis, Minnesota	06/2023
Adaptive Sports Medicine American Congress of Rehabilitation Medicine (ACRM) Atlanta, Georgia	10/2023
STEP Concussion Certification Program, Course Director & Lecturer AAPM&R Annual Assembly Pre-Conference New Orleans, Louisiana	11/2023
STEP Concussion Certification Program, On Field Concussion Assessment Hands On Instruction AAPM&R Annual Assembly Pre-Conference New Orleans, Louisiana	11/2023
STEP Concussion Certification Program, On Field Concussion Assessment Examiner AAPM&R Annual Assembly Pre-Conference New Orleans, Louisiana	11/2023
STEP Concussion Certification Program, Course Director & Lecturer AAPM&R Annual Assembly Pre-Conference New Orleans, Louisiana	11/2023
Osteopathic Manipulation of the Lumbar & Sacral Spine Hands On Instructor AAPM&R Annual Assembly New Orleans, Louisiana	11/2023
Osteopathic Manipulation of the Hip & Pelvis Hands On Instructor AAPM&R Annual Assembly New Orleans, Louisiana	11/2023

Musculoskeletal Ultrasound Lower Limb Evaluation Hands On Instructor AAPM&R Annual Assembly New Orleans, Louisiana	11/2023
Adaptive Sports Medicine AAPM&R Annual Assembly New Orleans, Louisiana	11/2023
Adaptive Spors Medicine Skills Lab Hands On Instructor AAPM&R Annual Assembly New Orleans, Louisiana	11/2023
Athletic Pubalgia Hip Joint and Tendon Injury Update: From Front to Back AAPM&R Annual Assembly New Orleans, Louisiana	11/2023
Anteromedial Strains: Hip Flexors, Quadriceps, and Adductor Strains Hip Joint and Tendon Injury Update: From Front to Back AAPM&R Annual Assembly New Orleans, Louisiana	11/2023
AAPM&R Bold MSK: Musculoskeletal Medicine in PM&R Medical Student Session AAPM&R Annual Assembly New Orleans, Louisiana	11/2023
Ultrasound Evaluation of Peripheral Nerves: Radial Nerve AAPM&R Annual Assembly New Orleans, Louisiana	11/2023
Ultrasound Evaluation of Peripheral Nerves Hands-On Table Instructor AAPM&R Annual Assembly New Orleans, Louisiana	11/2023
Adaptive Sports Medicine Mayo Clinic 12th Annual Comprehensive Sports Medicine Update and Board Review-Virtual Minneapolis, Minnesota	06/2024
Bone Injuries and Conditions Mayo Clinic 12th Annual Comprehensive Sports Medicine Update and Board Review-Virtual Minneapolis, Minnesota	06/2024
Cartilage and Joint Injuries and Conditions Mayo Clinic 12th Annual Comprehensive Sports Medicine Update and Board Review-Virtual Minneapolis, Minnesota	06/2024
Fracture and Dislocation Management Mayo Clinic 12th Annual Comprehensive Sports Medicine Update and Board Review-Virtual Minneapolis, Minnesota	06/2024
Regenerative Medicine Workshop, Director Department of Defense, Pain Care Skills Training (PCST) Bethesda, Maryland	08/2024
<b>Regional</b>	
<b>Invited</b>	
Army Medicine Pre-Race Banquet - Richmond International Speedway	05/2010
Army Medicine Sirius NASCAR Radio - Richmond International Speedway	05/2010

Amputee Athlete Olympic Training Center - United States Olympic Committee Colorado Springs, Colorado	07/2011
Wheelchair Sports Olympic Training Center - United States Olympic Committee Colorado Springs, Colorado	07/2011
Sideline Evaluation and Management of Sport Concussions Olney Boys and Girls Community Sports Association - MedStar Montgomery Medical Center Olney, Maryland	02/2013
Musculoskeletal Ultrasound: Normal and Abnormal Anatomy Musculoskeletal Ultrasound Beginner and Intermediate Workshop Maryland Society of PM&R Baltimore, Maryland	10/2014
Ultrasound Guided Injections of the Shoulder Musculoskeletal Ultrasound Beginner and Intermediate Workshop - Table Instructor Maryland Society of PM&R Baltimore, Maryland	10/2014
Ultrasound of the Shoulder Musculoskeletal Ultrasound Beginner and Intermediate Workshop - Table Instructor Maryland Society of PM&R Baltimore, Maryland	10/2014
Ultrasound of the Shoulder: Normal and Abnormal Anatomy Musculoskeletal Ultrasound Beginner and Intermediate Workshop Maryland Society of PM&R Baltimore, Maryland	10/2014
Musculoskeletal Ultrasound of the Shoulder EXOS Sports Performance Scottsdale/Phoenix, Arizona	12/2018
Musculoskeletal Ultrasound of the Shoulder Foothills Sports Medicine Scottsdale, Arizona	12/2018
Musculoskeletal Ultrasound of the Knee Mayo Clinic Tempe Sports Medicine Tempe, Arizona	03/2019
Musculoskeletal Ultrasound of the Shoulder Foothills Sports Medicine Ahwatukee, Arizona	03/2019
PM&R Role in Sports Medicine Grand Rounds, Department of PM&R Western University of Health Sciences Pomona, California	04/2021
Adaptive Sports Medicine Grand Rounds, Department of PM&R Medical College of Wisconsin Milwaukee, Wisconsin	06/2021
Adaptive Sports Medicine Grand Rounds, Department of PM&R University of Florida Gainesville, Florida	01/2022
Regenerative Medicine: Platelet-Rich Plasma and Bone Marrow for Musculoskeletal Issues Mayo Clinic Arizona – NPPA Grand Rounds Phoenix, Arizona	06/2022

Sideline and Office Assessment of Sports Injuries Clinical Care Conference, Department of PM&R Mayo Clinic Arizona Scottsdale, Arizona	05/2023
Musculoskeletal Ultrasound of the Shoulder EXOS Phoenix, Arizona	01/2024
Musculoskeletal Ultrasound of the Knee EXOS Phoenix, Arizona	01/2024

**13. Visiting Professorship**

Visiting Clinical Instructor Department of Physical Medicine & Rehabilitation University of Utah Salt Lake City, Utah	2007 – 2008
Visiting Professor Department of Physical Medicine & Rehabilitation University of Minnesota Minneapolis, Minnesota	2014
Visiting Faculty Department of Physical Medicine & Rehabilitation Western University of Health Sciences Pomona, California	2021
Visiting Faculty Department of Physical Medicine & Rehabilitation Medical College of Wisconsin Milwaukee, Wisconsin	2021
Visiting Professor Department of Physical Medicine & Rehabilitation University of Florida Gainesville, Florida	2021 – 2022

**14. Clinical Practice, Interests, and Accomplishments**

Sports Medicine, Musculoskeletal Ultrasound, Regenerative Medicine, Concussion, Spine Care, Adaptive Athlete, Sports Rehabilitation, Sports Performance

**15. Quality Initiatives**

**Quality Improvement Projects**

**Quality**

GOLD - Patient Access and Physician Utilization	05/2019 - 08/2019
GOLD - Implementation of Standardized Care Model for Low Back Pain	07/2018 - 09/2019

**16. Research Interests and Accomplishments**

Completed Grants:

- Sam Schmidt & Sell Fund Young Investigator Grant
- Edward Eckenhoff Disability Research & Education Grant

Research Interests:

Musculoskeletal Ultrasound, Regenerative Medicine, Concussion, Sports Performance

**17. Research Grants Awarded****Active Grants****Federal sub award**

Co-Investigator	Vestibular Intervention via Portable Electrical Stimulator (VIPES). Funded by Department of Defense. (2151-S001)	04/2021 - 03/2024
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**Other**

Co-Principal Investigator	A Pilot Study Assessing Non-Invasive Treatment of Refractory Post-Concussion Headache Pain. Funded by National Football League (NFL) and NFL Players Association (NFLPA)	07/2023 - 07/2025
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**Completed Grants****Federal sub award**

Co-Investigator	Vestibular Intervention via Portable Electrical Stimulator (VIPES). Funded by Department of Defense. (2142-S001)	05/2020 - 12/2020
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**18. Inventions, Commercialization and Offering****A. Patents**

Patent Number	Country	Date Filed	Date Issued
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**B. Other**

Intellectual Property (IP): TENZR Health Wearable Technology, Mayo Case No. 2022-234	10/2022
Intellectual Property (IP): Apex Biologix Alpha-2 Macroglobulin (A2M) Device, Mayo Case No. 2022-387	12/2022

## 19. Bibliography

### Peer-reviewed Articles

1. Oglesby R, Ceruti R, **De Luigi J**, Cueto P. Clinical images: Dialysis-associated uremic tumoral calcinosis. *Arthritis Rheum.* 2002 May; 46 (5):1416 PMID: 12115262 DOI: 10.1002/art.10255
2. **De Luigi AJ**, Pasquina P, Dahl E. Rucksack-induced plexopathy mimicking a lateral antebrachial cutaneous neuropathy. *Am J Phys Med Rehabil.* 2008 Sep; 87 (9):773-5 PMID: 18716490 DOI: 10.1097/PHM.0b013e3181837b83
3. Kamerath JH, **De Luigi AJ**. Analgesic benefit of niacin for shrapnel wound pain in war veteran. *Mil Med.* 2010 Nov; 175 (11):876-7 PMID: 21121498
4. **De Luigi AJ**, Fitzpatrick KF. Physical examination in radiculopathy. *Phys Med Rehabil Clin N Am.* 2011 Feb; 22 (1):7-40 Epub 2010 Dec 14 PMID: 21292143 DOI: 10.1016/j.pmr.2010.10.003
5. Gallo A, **De Luigi AJ**. Groin Pain in a Female Army Recruit AMSSM (case study). 2011 Apr.
6. Annaswamy TM, **De Luigi AJ**, O'Neill BJ, Keole N, Berbrayer D. Emerging concepts in the treatment of myofascial pain: a review of medications, modalities, and needle-based interventions. *PM R.* 2011 Oct; 3(10):940-61. PMID: 22024326 DOI: 10.1016/j.pmrj.2011.06.013
7. Grindle GG, **De Luigi AJ**, et al. Evaluation of a Highly Adjustable Throwing Chair for People with Disabilities Assistive Technology: The Official Journal of RESNA. 2012; 24(4):240-5.
8. \* McCallin JP, **De Luigi AJ**. Lower Back/Gluteal Pain American Academy of Physical Medicine & Rehabilitation (case of the month). 2012 Apr.
9. **De Luigi AJ**. Complementary and alternative medicine in osteoarthritis. *PM R.* 2012 May; 4 (5 Suppl):S122-33 PMID: 22632691 DOI: 10.1016/j.pmrj.2012.01.012
10. \* **De Luigi AJ**, Gordon AH. Hip and Pelvic Arthropathies and Labral Tears: Hip Osteoarthritis, Femoroacetabular Impingement, Osteitis Pubis, Avascular Necrosis, and Labral Tears *PM&R Knowledge NOW.* 2013.
11. **De Luigi AJ**, Pohlman D. Sports Medicine for Special Groups *PM&R Knowledge NOW.* 2013.
12. \* Susmarski AJ, Franco T, **De Luigi AJ**. Ultrasound Guided Platelet Rich Plasma and Autologous Stem Cells Injections: An Emerging Alternative Treatment for Osteochondral Defects *Altern Integr Med.* 2013; 43(5):195-196.
13. Willick SE, **DeLuigi AJ**, Taskaynatan M, Petron DJ, Coleman D. Bilateral chronic exertional compartment syndrome of the forearm: a case report and review of the literature. *Curr Sports Med Rep.* 2013 May-Jun; 12 (3):170-4 PMID: 23669087 DOI: 10.1249/JSR.0b013e3182913c82
14. \* Chen YT, Brundage C, **De Luigi AJ**. Ultrasound Guided Dextrose Prolotherapy for Persistent Coccygeal Pain: A Case Series and Review of the Literature *Altern Integr Med.* 2014; 2:142.
15. **De Luigi AJ**, Nabhan D, Moreau W. Early sonographic detection of a talar dome osteochondral defect in a female wrestler. *Curr Sports Med Rep.* 2014 May-Jun; 13 (3):169-71 PMID: 24819008 DOI: 10.1249/JSR.0000000000000051
16. **De Luigi AJ**, Cooper RA. Adaptive sports technology and biomechanics: prosthetics. *PM R.* 2014 Aug; 6 (8 Suppl):S40-57 PMID: 25134752 DOI: 10.1016/j.pmrj.2014.06.011
17. Cooper RA, **De Luigi AJ**. Adaptive sports technology and biomechanics: wheelchairs. *PM R.* 2014 Aug; 6 (8 Suppl):S31-9 PMID: 25134750 DOI: 10.1016/j.pmrj.2014.05.020
18. **De Luigi AJ**. Low back pain in the adolescent athlete. *Phys Med Rehabil Clin N Am.* 2014 Nov; 25 (4):763-88 Epub 2014 Aug 02 PMID: 25442158 DOI: 10.1016/j.pmr.2014.06.004
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22. \* Adam J, **De Luigi AJ**. Blunt Abdominal Trauma in Sports *Current Sports Medicine Reports.* 2018; 10(17):317-319. PMID: 30300190

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25. **De Luigi AJ**, Saini V, Mathur R, Saini A, Yokel N. Assessing the Accuracy of Ultrasound-Guided Needle Placement in Sacroiliac Joint Injections. Am J Phys Med Rehabil. 2019 Aug; 98 (8):666-670 PMID: 31318746 DOI: 10.1097/PHM.0000000000001167
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29. **De Luigi AJ**. Ultrasound-Guided Sacroiliac Joint Injections. Am J Phys Med Rehabil 2020 Jun; 99 (6):e79-e80 PMID: 31385830 DOI: 10.1097/PHM.0000000000001289
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2. **De Luigi AJ**, Krabak BJ. Iliotibial Band Syndrome <http://www.racingtheplanet.com/store/ITB>. 2014.
3. **De Luigi AJ**. From Your Council: Thank You! CORE: The Musculoskeletal Medicine Council Quarterly Information Letter. 12/23/2018; (2018 Winter Issue).
4. **De Luigi AJ**. Mayo Clinic Q and A: Anterior Cruciate Ligament Tear — pre- and post-rehabilitation Mayo Clinic News Network: Mayo Clinic Q and A. 2018; (December Edition).
5. **De Luigi AJ**. Mayo Clinic Q and A: Treating Plantar Fasciitis Pain. Mayo Clinic News Network: Mayo Clinic Q and A. 2019; (October Edition).

#### Conference Reports

#### Books

1. **De Luigi AJ**. Adaptive Sports Medicine: A Clinical Guide. Cham, Switzerland: Springer; 2017.401p.
2. **De Luigi AJ**. Adaptive Sports Medicine: A Clinical Guide. 2<sup>nd</sup> Ed. Cham, Switzerland: Springer; 2023. 515p.

#### Book Chapters

1. Fitzpatrick KJ, **De Luigi AJ**, Pasquina PF. The Disabled Athlete. In: O'Connor F, Casa DJ, et al, editor(s). *ACSMs Sports Medicine: A Comprehensive Review*. Philadelphia, PA: Lippincott Williams & Wilkins; 2012. p. 786-91.
2. **De Luigi AJ**, Fitzpatrick KF, Pasquina PF. The Wheelchair Athlete. In: O'Connor F, editor(s). *ACSM's Sports Medicine: A Comprehensive Review*. Chapter 111. 2012 Sep. p. 749-51.
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**Letters****Stamp Vignettes****Thesis****Ask Mayo Expert Model****Ask Mayo Expert Topic****Clinical Knowledge Asset****Book Reviews****Scientific Reports****Miscellaneous****Social Media Activity****Forthcoming**

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