# Curriculum Vitae

# PERSONAL DATA

Name: A. Michael Henrie, D.O. Citizenship: United States

# **EDUCATION**

<u>Years</u>	<b>Degree</b>	Institution (Area of Study)
2010 - 2011	Fellow	University of Utah School of Medicine (Sports and Musculoskeletal Medicine)
		Salt Lake City
2009 - 2010	Co-Chief Resident	University of Utah (Physical Medicine and Rehabilitation)
		Salt Lake City, UT
2007 - 2010	Resident	University of Utah School of Medicine (Physical Medicine &
		Rehabilitation)
		Salt Lake City, UT
2006 - 2007	Intern	University of Missouri, Kansas City (Internal Medicine)
		Kansas City, MO
2002 - 2006	D.O.	Kansas City University of Medicine and Biosciences (Medicine)
		Kansas City, MO
1996 - 2002	B.S.	University of Utah (Behavioral Science and Health)
		Salt Lake City, UT

# **BOARD CERTIFICATIONS**

11/01/2021 - American Board of Physical Medicine & Rehabilitation (Sub: Sports Medicine), Certified
12/31/2031
07/01/2011 - American Board of Physical Medicine & Rehabilitation, Certified

12/31/2026

## **CURRENT LICENSES/CERTIFICATIONS**

- 2007 2025 DEA Certificate (UT) Osteopathic Physician (DO)
- 2007 2026 State of Utah Department of Commerce: Controlled Substance (UT) Osteopathic Physician (DO)
- 2007 2026 State of Utah Department of Commerce: State License (UT) Osteopathic Physician (DO)

# **UNIVERSITY OF UTAH ACADEMIC HISTORY**

## Physical Medicine and Rehabilitation, 08/01/2011 - Present

08/02/2011 - Present Assistant Professor (Clinical) 08/01/2011 - 08/01/2011 Instructor (Clinical)

## Physical Medicine and Rehabilitation, 08/01/2010 - 07/31/2011

08/01/2010 - 07/31/2011 Visiting Instructor

#### Community Physician Group (Physicians), 04/16/2008 - Present

04/16/2008 - Present Affiliated Physician

#### PROFESSIONAL EXPERIENCE

#### **Full-Time Positions**

- 2011 Present Assistant Professor, University of Utah, Division of Physical Medicine & Rehabilitation, Salt Lake City, UT
- 2010 2011 Visiting Instructor, University of Utah, Division of Physical Medicine & Rehabilitation, Salt Lake City, UT

#### **Part-Time Positions**

2003 - 2004	Anatomy Lab Teaching Assistant, University of Missouri, Kansas City, MO
2003 - 2004	OMT Teaching Assistant, University of Missouri, Kansas City, MO
2001	Teaching Assistant, Department of Anatomy, University of Utah, Salt Lake City, UT

#### SCHOLASTIC HONORS

2010	University of Utah, Division of Physical Medicine and Rehabilitation, Mark P. Scott Research Award
2006	Henry Holloway, D.O., Award, KCUMB
2004 - 2006	Member Sigma Sigma Phi Osteopathic Honors Fraternity, KCUMB
2004	CQI Team Leader, KCUMB
2003 - 2005	Recipient of Alumni Hall of Sponsors Scholarship Award, KCUMB
2003	Recipient of the Jan Oliberi Scholarship Award, KCUMB
1998 - 2001	Deans List, University of Utah
1998 - 2001	Presidents Award for Academic Achievement, University of Utah

## ADMINISTRATIVE EXPERIENCE

#### **Administrative Duties**

- 2019 Present Director of Patient Safety Case Review Series for Division of Physical Medicine and Rehabilitation.
- 2013 Present Member, University of Utah Primary Care Sports Medicine Fellowship Program Evaluation Committee.
- 2013 Present Member, University of Utah, Division of Physical Medicine & Rehabilitation Resident Education Committee.
- 2013 Present Member, University of Utah, Division of Physical Medicine & Rehabilitation Resident Clinical Competency Committee.
- 2012 Present Member, Sports Medicine Operations Council.
- 2012 2016 Pathway Leader for Clinical Pathway Development. University of Utah Sports Medicine Executive Council.
- 2011 2012 Member, University of Utah Medical School Interview Committee.

#### **Professional Organization & Scientific Activities**

2003 - 2004 Vice President, American Academy of Osteopathy, KCUMB

#### PROFESSIONAL COMMUNITY ACTIVITIES

- 2023 PresentChair, Utah High School Activities Association, School Athletic Eligibility Committee, Independent commission appointed by state on transgender high school athlete eligibility
- 2019 Present Team Physician, Mountain Ridge High School
- 2017 Event Physician, US Speedskating, Long Track Competition. Utah Olympic Oval, Kearns, Utah.
- 2017 Present Team Physician, US Speedskating
- 2015 Medical Director, Gran Fondo National Championship Series, Salt Lake Bike Race
- 2013 2019 Team Physician, Corner Canyon High School
- 2012 PresentCo-Medical Director, Salt Lake City Marathon
- 2012 PresentCo-Medical Director, South Jordan Marathon
- 2011 Interviewee, KSL Television, "Heat Illness in High School Sports".
- 2011 Interviewee, Fox 13 News, "Beginning a Summer Exercise Program".
- 2011 2013 Team Physician, Herriman High School, Herriman High School Athletics
- 2011 Interviewee, ABC Channel 4, "Returning to Exercise After the Winter Months"
- 2008 Physician, USA Volleyball, Medical Coverage, Men's Junior National Volleyball Championships.
- 2008 Physician, USA Volleyball, Medical Coverage, Men's Junior National Volleyball Championships.
- 2007 2008 Volunteer, Wasatch Roller Derby, Medical Coverage
- 2003 Volunteer, Avila University, Football Medical Coverage
- 2003 Student Examiner, North Kansas City School District, Sports physicals for local high school
- 2003 Student Examiner, North Kansas City School District, Sports physicals for local high school
- 2002 Volunteer, North Kansas City High School, Football, Medical Coverage

#### UNIVERSITY COMMUNITY ACTIVITIES

#### **University Level**

2014 Guest Speaker, University of Utah, Hope Fox Eccles Health Libary Lecture, "Recovering from Concussion and Head Trauma in Youth Sports".

#### University of Utah Health

- 2015 Medical Expert, University of Utah Hospitals and Clinics, "5 Steps to Safer Cycling". Article posted on www.healthfeed.uofuhealth.org
- 2015 Medical Expert, University of Utah Hospitals and Clinics, "Concussion Cautions". Article posted on www.healthfeed.uofuhealth.org

2014	Medical Expert, University of Utah Hospitals and Clinics, "How to Banish Back Pain". Article posted on www.healthfeed.uofuhealth.org
2014	Medical Expert, University of Utah Hospitals and Clinics, "When Should You See a Physician About Back Pain?" Video posted on Ask an Expert.
2014	Medical Expert, University of Utah Hospitals and Clinics, "When Should You See a Physician About Back Pain?" Video posted on Ask an Expert.
2014	Medical Expert, University of Utah Hospitals and Clinics, "5 Easy Pieces. Bicycling Safety". Video posted on www.healthfeed.uofuhealth.org
2014	Medical Expert, University of Utah Hospitals and Clinics, "90 Second Follow-Up: Concussion Care". Video posted on www.healthfeed.uofuhealth.org
2014	Medical Expert, University of Utah Hospitals and Clinics, "Concussion Treatment Helps Cheerleader Get Back in the Game". Video posted on Because of U Stories.

## **College Level**

2008 - 2009 Volunteer, College of Health, Skatin' Utes Club Hockey Team. Medical Coverage

#### **Division Level**

- 2001 2002 President, Physical Medicine and Rehabilitation, Osteopathic Premedical Student Association
- 2001 2002 Director, Physical Medicine and Rehabilitation, "Shadow-a-D.O." program

## SERVICE AT PREVIOUS INSTITUTIONS

2004 Student Physician, Kansas City University of Medicine and Biosciences, Jr. National Volleyball qualifying tournament

## **CURRENT MEMBERSHIPS IN PROFESSIONAL SOCIETIES**

American Academy of Physical Medicine and Rehabilitation

American College of Sports Medicine

American Medical Society for Sports Medicine

North American Spine Society

Utah Medical Association

## **TEACHING RESPONSIBILITIES/ASSIGNMENTS**

#### **Courses Directed**

- 2011 Present University of Utah, Division of Physical Medicine & Rehabilitation Resident Didactic Module-Musculoskeletal/Sports
- 2011 PresentUniversity of Utah, Division of Physical Medicine & Rehabilitation Resident Didactic Module-Gross Anatomy Dissection
- 2012 Present University of Utah, Primary Care Sports Fellowship Musculoskeletal Ultrasound Education Module.
- 2013 Present University of Utah, Division of Physical Medicine & Rehabilitation Resident Didactic Module-Musculoskeletal Ultrasound

2013 - 2016 University of Utah, Division of Physical Medicine & Rehabilitation Resident Didactic Module-EMG Boot Camp.

#### **Course Lectures**

2012	Instructor, Spondyloisthesis/Sports Related Spine Problems, : MS2014 SMBJ - Spondyloisthesis/Sports Related Spine Problems
2011	Instructor, Spondyloisthesis/ Sports Related Spine Problems, : MS2013 SMBJ - Spondyloisthesis/ Sports Related Spine Problems

# **Clinical Teaching**

- 2011 Present Clinical resident instruction in the musculoskeletal-EMG clinic.
- 2011 Present Clinical resident instruction in the musculoskeletal-sports/spine clinic.

# Mentoring/Advising

<u>Resident</u> 2014 - 2015	Advisor/Mentor, Robert Engelen, University of Utah
	Advisor/Mentor, Michael Campian, University of Utah
2013 - 2014	Advisor/Mentor, Robert Engelen, University of Utah
2013 - 2014	Advisor/Mentor, James McDonald, University of Utah

#### **Didactic Lectures**

2024	University of Utah Sports Medicine Conference series "Physical Exam of the Spine"
2023	Thursday Morning Sports Medicine Journal Club. "Physical Exam of the Elbow, Wrist & Hand".
2019	Tuesday morning Sports Medicine Journal Club presentation, "Ultrasound of the hip".
2018	"Rehab Medicine" presented to the Univeristy of Utah, Department of Family and Preventive Medicine Physician Assistant Studies Group.
2015	Thursday Morning Sports Medicine Journal Club presentation, "Common Nerve Entrapment Syndromes in Athletes-Lower Extremity".
2015	Thursday Morning Sports Medicine Journal Club presentation, "Common Nerve Entrapment Syndromes in Athletes-Upper Extremity".
2014	Tuesday Morning PM&R Journal Club presentation, "Introduction to Ultrasound".
2014	Thursday Morning Sports Medicine Journal Club presentation, "Brachial Plexopathy".
2014	Thursday Morning Sports Medicine Journal Club presentation, "Brachial Plexopathy".
2014	Thursday Morning Sports Medicine Journal Club presentation, "Common Nerve Entrapment Syndromes in Athletes-Lower Extremity".
2014	Thursday Morning Sports Medicine Journal Club presentation, "Common Nerve Entrapment Syndromes in Athletes-Upper Extremity".

2013	Tuesday Morning PM&R Journal Club presentation, "EPIC Issues".
2013	Tuesday Morning PM&R Journal Club presentation, "Lumbar ESIs".
2013	Thursday Morning Sports Medicine Journal Club presentation, "MSK Exam-Spine".
2013	Tuesday Morning PM&R Journal Club presentation, "EPIC Clinic Note Documentation".
2013	University of Utah, Department of Orthopaedics. Resident Didactics. TopicConcussion.
2012	University of Utah, Department of Orthopaedics. Orthopaedic Sports Medicine morning conference. TopicPreparticipation Physical Examination.
2011	University of Utah, Department of Orthopaedics. Orthopaedic Sports Medicine morning conference. TopicTransient Quadraparesis and Stingers.
2010 - 2011	University of Utah, Division of Physical Medicine & Rehabilitation: Various lectures for PM&R Residents and sports fellows during the course of the academic year. Topics

# **Continuing Education**

#### CE Courses Taught

2018 C120-Lumbar Radiculopathy, Lumbar Spinal Stenosis, Low Back pain, and Failed Back Syndrome, video taped lecture. American Academy of Neurology Annual Meeting 2018. Course directed by Dr. Ligia Onofrei.

include sports, spine, EMG, and musculoskeletal ultrasound.

2018 C143: Evaluation and Treatment of Common Spine Disorders, video taped lecture. American Academy of Neurology Annual meeting 2018. Directed by Dr. JD Bartleson

## PEER-REVIEWED JOURNAL ARTICLES

- McCormick ZL, Conger A, Kendall R, Wagner G, Henrie AM, Littell M, Sperry BP, Petersen R, Cooper AN, Teramoto M, Burnham TR (2023). A Pragmatic Randomized Prospective Trial of Cooled Radiofrequency Ablation of the Medial Branch Nerves versus Facet Joint Injection of Corticosteroid for the Treatment of Lumbar Facet Syndrome: 12 Month Outcomes. *Pain Med*, 24 (12), 1318-1331.
- 2. Foley J, Roesly H, Provo J, **Henrie AM**, Teramoto M, Cushman DM (2023). Learning Effect for Large Joint Diagnostic Aspirations With Fluoroscopy and Ultrasound. *Am J Phys Med Rehabil*, 102(5), 444-448.
- 3. Roesly H, Archibeck M, **Henrie AM**, Provo J, Foley J, Boyer A, Teramoto M, Cushman DM (2022). Hip aspiration: A comparison of ultrasound and fluoroscopic guidance. *J Orthop*, *34*, 266-270.
- 4. Conger A, Kendall RW, Sperry BP, Petersen R, Salazar F, Cunningham S, **Henrie AM**, Bisson EF, Teramoto M, McCormick ZL (2021). One-year results from a randomized comparative trial of targeted steroid injection via epidural catheter versus standard transforaminal epidural injection for the treatment of unilateral cervical radicular pain. *Reg Anesth Pain Med*, 46(9), 813-819.
- 5. Onofrei LV, **Henrie AM** (2021). Cervical and Thoracic Spondylotic Myelopathies. *Semin Neurol*, *41*(3), 239-246.

6.	Conger A, Sperry BA, Cheney C, Kuo K, Petersen R, Randall D, Salazar F, Cunningham S, <b>Henrie AM</b> , Bisson E, Kendall R, Teramoto M, McCormick ZL (2020). Does the Contrast Dispersion Pattern during Fluoroscopically-guided Cervical Transforaminal Epidural Steroid Injection Predict Pain and Functional Outcomes? An Exploratory Analysis of Prospective Cohort Data. <i>Pain Med</i> , <i>21</i> (12), 3350-3359.
7.	McCormick ZL, Conger A, Sperry BP, Teramoto M, Petersen R, Salazar F, Cunningham S, Henrie, A. Michael A, Bisson E, Kendall R (2020). A Randomized Comparative Trial of Targeted Steroid Injection via Epidural Catheter vs Standard Transforaminal Epidural Injection for the Treatment of Unilateral Cervical Radicular Pain: Six-Month Results. <i>Pain Med</i> , <i>21</i> (10), 2077-2089.
8.	Cushman DM, Monson N, Conger A, Kendall RW, <b>Henrie AM</b> , McCormick ZL (2019). Use of 0.5 mL and 1.0 mL of Local Anesthetic for Genicular Nerve Blocks. <i>Pain Med</i> , 20(5), 1049-1052.
9.	Cushman D, <b>Henrie M</b> , Scholl LV, Ludlow M, Teramoto M (01/01/2018). Ultrasound Verification of Safe Needle Examination of the Rhomboid Major Muscle. <i>Muscle Nerve</i> , <i>57</i> (1), 61-64.
10.	McDonald JW, <b>Henrie AM</b> , Teramoto M, Medina E, Willick SE (09/04/2017). Descriptive Epidemiology, Medical Evaluation, and Outcomes of Rock Climbing Injuries. <i>Wilderness Environ Med</i> , 28(3), 185-196.
11.	<b>Henrie AM</b> , Oberg P, Willick SE (02/01/2013). "Partial Peroneus Longus Tendon Rupture at Its Distal Insertion in a Runner: A Case Presentation". <i>PM R</i> , 5(2), 154-158.
12.	Gundersen B, <b>Henrie M</b> , Christensen J (03/01/2010). A Clinical Trial on Non-Surgical Spinal Decompression Using Vertebral Axial Distraction Delivered by a Computerized Traction Device. 7 (1), 3-7.

# **BOOK CHAPTERS**

- 1. **Henrie AM**, Makovitch S, Willick SE (08/09/2016). Sports Medicine Procedures. In Harrast MA, Finnoff JT (Eds.), *Sports Medicine Study Guide and Review for Boards* (Second). New York, NY: Demos Medical.
- 2. Hansen PA, **Henrie AM**, Deimel GW, Willick SE (09/01/2015). Musculoskeletal Disorders of the Lower Limb. In Braddom R, Cifu D (Eds.), *Physical Medicine and Rehabilitation* (Fifth). Philadelphia: Elsevier.
- 3. **Henrie AM**, Elovic EP (2013). Fatigue, Assessment and Treatment. In Zasler ND, Katz DI, Zafonte RD (Eds.), *Brain Injury Medicine* (2nd, pp. 697-706). New York: Demos Medical Publishing.
- 4. **Henrie AM**, Elovic EP (2013). Somatic Manifestations of Mild TBI. In Zollman FS (Ed.), *Handbook of Traumatic Brain Injury* (pp. 91-99). New York: Demos Medical Publishing.
- 5. **Henrie AM**, Willick SE (11/01/2011). "Sports Medicine Procedures". In Harrast Mark, Finnoff Jonathan (Eds.), *Sports Medicine: Study Guide and Review for Boards* (1, (1)pp. 65-76). New York, NY: Demos Medical Publishing.
- Henrie AM, Willick SE (01/01/2011). "Hamstring Strain". In Micheo W, Buschbacher RM (Eds.), *Musculoskeletal, Sports, and Occupational Medicine* (First, pp. 92-93). New York: Demos Medical Publishing.

# ADDITIONAL PUBLICATIONS

#### Letters

1. Conger A, McCormick ZL, **Henrie AM** (2019). Pes Anserine Tendon Injury Resulting from Cooled Radiofrequency Ablation of the Inferior Medial Genicular Nerve. [Letter to the editor]. *PM R*, *11* (11), 1244-1247.

#### Multimedia

1. **Henrie AM**, Engelen R (09/20/2013). Shoulder Instability, Dysfunction and Scapular Dyskinesis. [Web], PM&R Knowledge Now--Musculoskeletal Medicine, Disorders of the Upper Limb. Available: http://me.aapmr.org/kn/article.html?id=150.

## PENDING PUBLICATIONS

#### **Journal Articles**

- Cushman DM, Zurbuchen E, Elmer A, English J, Henrie AM, Gee C, Monson NE, Teramoto M. (In Press). *Extended-release triamcinolone provides prolonged relief for patients who failed standard corticosteroid injection for knee osteoarthritis; a pragmatic retrospective study*. Interventional Pain Medicine. May 2022. <u>https://doi.org/10.1016/j.inpm.2022.100103</u>. *Interventional Pain Medicine*.
- Conger A, Randall D, Sperry BA, Kuo K, Petersen R, Henrie AM, Kendall R, Bisson E, Teramoto M, Martin B, Burnham T, McCormick ZL (In Press). *The Effectiveness of Cervical Transforaminal Epidural Steroid Injections for the Treatment of Cervical Radicular Pain: A Prospective Cohort Study Reporting 12-month Outcomes.* 3(1) March 2024. <u>https://doi.org/10.1016/j.inpm.2023.100379</u>. *Interventional Pain Medicine.*

# POSTER PRESENTATIONS

- 2023 Conger A, Randall D, Sperry B, Kuo K, Petersen R, **Henrie A**, Kendall R, Bisson E, Teramoto M, Burnham T, McCormick ZL. The Effectiveness of Cervical Transforaminal Epidural Steroid Injections for the Treatment of Cervical Radicular Pain: A Prospective Cohort Study Reporting 12-month Outcomes. Podium Presentation: Spine Intervention Society Annual Scientific Meeting. Chicago, IL. September, 2023.
- 2023 McCormick ZL, Conger A, Kendall R, Wagner G, **Henrie AM**, Littell M, Sperry BP, Petersen R, Cooper AN, Teramoto M, Burnham TR. A Pragmatic Randomized Prospective Trial of Cooled Radiofrequency Neurotomy of the Medical Branch Nerves versus Facet Joint Injection of Corticosteroid for the Treatment of Lumbar Facet Syndrome; 12 Month Results. Podium Presentation: Spine Intervention Society Annual Scientific Meeting. Chicago, IL. September, 2023.
- 2023 Curtis T, Le A, Miller C, Petron D, Monson N, Joyce A, Hansen P, **Henrie M**, Burnham T, Kendall R, McCormick Z, Teramoto M, Sederberg M, Conger A, Cushman D. The Relationship Between Patient Demographic Factors and Pain Intensity Reported During Fluoroscopically-Guided Musculoskeletal Procedures: An Observational Cohort Study. Poster Presentation: Spine Intervention Society Annual Scientific Meeting. Chicago, IL. September, 2023.

2021	Conger A, Kendall R, Sperry BP, Petersen R, Salazar FW, Cunningham S, <b>Henrie AM</b> , Bisson EF, Teramoto M, McCormick ZL. <i>One Year Results from a Randomized</i> <i>Comparative Trial of Targeted Steroid Injection Via Epidural Catheter Versus Standard</i> <i>Transforaminal Epidural Injection for the Treatment of Unilateral Cervical Radicular</i> <i>Pain.</i> August 2021. Abstract accepted for poster presentation and publication though SIS. Poster presentation at the 2021 SIS Annual Scientific meeting. Washington, DC.
2021	Randall, D, Sperry BP, Kuo K, Petersen R, Salazar F, Cunningham S, <b>Henrie AM</b> , Kendall R, Bisson E, Shah L, Peckham M, Teramoto M, McCormick ZL, Conger A. Does the Severity of Neuroforaminal Stenosis Impact Short-Term Pain and Functional Outcomes After Cervical Transforaminal Epidural Steroid Injection? An Exploratory Analysis of Prospective Cohort Data. August 2021. Podium presentation and abstract publication through SIS. Poster presentation at the SIS Annual Scientific meeting. Washington, DC. August 2021.
2018	Lee V, <b>Henrie AM</b> . <i>Diagnosis and Treatent of Chronic Qutonomic Dysreflexia from Lumbar Stenosis</i> . Poster session presented at 2018 Academy of Spinal Cord Injury Professionals Educational Conference & Expo, New Orleans, LA.
2011	<b>Henrie AM</b> , Hennasea T, Chen Q, Day C, Petron D, Willick SE. "Analysis of Knee Injuries Among Recreational Skiers and Snowboarders". Abstract published in Clin J Sport Med, 21(2):172. Poster session presented at American Medical Society for Sports Medicine Annual Meeting, Salt Lake City, Utah.
2010	Oberg P, Chen Q, Gee C, <b>Henrie AM</b> , Ott U, Pepper ML, Thiese MS, Willick SE. "Descriptive Epidemiology of Wrist and Hand Injuries Among Skiers and Snowboarders". Abstract published in PM&R 2(9):S52. Poster session presented at AAPM&R Annual Assembly, Seattle, Washington.
2009	<b>Henrie M</b> , Biggs J, Aoki S, Willick S. <i>Descriptive Epidemiology of Ski and Snowboard injuries by Age Group: Children/adolescent; Young Adult; Adult. Abstract published in PM&amp;R 1(9):S158</i> . Poster session presented at AAPM&R Annual Assembly, Austin, TX.
2009	Edgley S, Hayes H, <b>Henrie M</b> , Plante DM. Safety of Aquatic Treadmill Therapy in Adult Stroke Patients: A Case Report. Abstract published in PM&R 1(9):S280-S281. Poster session presented at AAPM&R Annual Assembly, Austin, TX.

# **ORAL PRESENTATIONS**

# **Meeting Presentations**

<b>International</b>	
2024	Do Trainees Make Injections More Painful? An Observational Cohort Study of Fluoroscopically-guided Musculoskeletal Procedures. IPSIS Annual Scientific Meeting. Moston, MA. September, 2024.
2011	"Partial Peroneus Longus Tendon Rupture at Its Distal Insertion in a Runner: A Case Presentation". Presented at the 58th American College of Sports Medicine Annual Meeting. Denver, Colorado.
<u>National</u>	
2018	Ultrasound Genicular Nerve RF supplemental session. Presented at AMSSM Annual
	Meeting. Lake Buena Vista, FL.

2015	Ultrasound Scanning Demonstration: Injection Practice. Presented at the 29th Annual Update in PM&R Conference. Park City, UT.
2014	"Advances in Imaging and Practical Pearls (reasons for referral, indications and contraindications to injection therapy with neurotoxins)". Presented at the 28th Annual Update in PM&R Conference. Park City, UT.
2014	Ultrasound Scanning Demonstration: Injection Practice. Presented at the 28th Annual Update in PM&R Conference. Park City, UT.
2013	Ultrasound Scanning Demonstration: Injection Practice. Presented at the 27th Annual Update in PM&R Conference. Park City, UT.
2012	"Use of an Electronic Database for Clinical Research", presented at the Physical Medicine & Rehab Update Conference. Park City, Utah.
2012	Ultrasound Scanning Demonstration: Injection Practice. Presented at the 26th Annual Update in PM&R Conference. Park City, UT.

## Local/Regional

2019 "Diagnostic & Treatment Approach to the Active Patient with Complex Spinal Pathology". Presented at the University of Utah USOC Third Annual Sports Medicine Symposium. Park City, Utah.

#### **Grand Rounds Presentations**

- 2011 PM&R Grand Rounds-Ski and Snowboard Injury-what have we learned from the Utah Ski and Snowboard Injury Database.
- 2010 PM&R Grand Rounds-Femoracetabular Impingement
- 2008 PM&R Grand Rounds, Somatic Dysfunction—Diagnosis and Treatment
- 2008 PM&R Grand Rounds May 2008, Hemiplegic Shoulder Pain

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