

Troy Burley PT, PhD, OCS, FAAOMPT

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PROFESSIONAL EDUCATION

- 07/2024-06/2025 ***Masters of Operational Studies.*** Command and General Staff College, Fort Leavenworth, KS. Degree date: 06/2025
- 05/2011-12/2018 ***Doctor of Philosophy: Orthopaedic and Sports Science.*** Rocky Mountain University of Health Professions, Provo, UT. Degree date: 12/2018
- 06/2004-12/2005 ***Physical Therapy Fellowship Orthopaedic Manual Therapy and Musculoskeletal Primary Care.*** Kaiser Permanente Medical Center, Vallejo, CA. Completion date: 1/2006
- 01/2000-05/2002 ***Master of Physical Therapy.*** Western University of Health Sciences, Pomona, CA. Degree date: 05/2002
- 09/1994-06/1998 ***Bachelor of Science- Physical Education and Kinesiology.*** California Polytechnic State University. San Luis Obispo, CA. Degree date: 06/1998

EMPLOYMENT

- 05/2021-Current ***Assistant Professor,*** University of South Alabama, Mobile, AL. Faculty member of Doctor of Physical Therapy Program. Tenure track position requiring instruction of three cohorts of physical therapy students (120 total) in the areas of orthopedics, musculoskeletal imaging, and manual therapy. Conduct research in the areas of orthopedics and musculoskeletal imaging. Provide volunteer service to the University and local community. 40hrs/wk
- 05/2022-06/2025 ***Director,*** University of South Alabama Physical Therapy Faculty Clinic. Under direction of Department Chair manage clinic administrative duties and provide patient care. Grew clinic from 2 faculty members to 7 faculty members to increase physical therapy care to community. 16hrs/wk.
- 12/2023-Current ***Physical Therapist/Researcher,*** Major, 75th Innovation Command, Medical and Biological Support Group, United States Army Reserve, Boston, MA. Act as subject matter expert and provide research support to Army Futures Command. Review study design, provide insight, review grant proposals, and conduct research all in the line of effort concerning new technologies in the area of medical and biological warfighting capabilities. 15hrs/wk

- 07/2021-12/2023 **Commander**, Captain, Headquarters and Headquarters Company, 1st Medical Training Brigade, United States Army Reserve, Fort Gordon, GA. Assure the readiness of approximately 45 soldiers in the detachment concerning personnel, training, safety, logistics, and equipment in support of the 1MTB lines of effort. Lead and delegate individual responsibilities to accomplish unit mission success. Responsible for providing vision and guidance to 1MTB leadership and staff. Support mission goals and Command philosophy of the Brigade Commander. 15hrs/wk
- 09/2019-07/2021 **Commander**, Captain, Headquarters and Headquarters Detachment 7305 Medical Training and Support Battalion, United States Army Reserve, B.T. Collins Reserve Center, Sacramento, CA. Assure the readiness of approximately 65 soldiers in the detachment concerning personnel, training, safety, logistics, and equipment in support of the 2MTB lines of effort. Delegate individual responsibilities to accomplish unit mission success. Responsible for providing vision and guidance to 7305 MTSB leadership and staff. Supported mission goals and Command philosophy of the Battalion Commander. Maintain order, discipline, and high morale while enforcing Army standards. Provide realistic training and maintained high level of operational readiness. 15hrs/wk
- 06/2016-12/2020 **Physical Therapist**, USL Reno 1868 FC Professional Soccer Team, Reno, NV.
Second division team for MLS San Jose Earthquakes.
Evaluate and implement treatment plans for various orthopaedic, neurologic, post-operative, and sports-related pathologies. Rapid return of athletes to play. Coordinate care with Athletic Trainer and Orthopaedic Surgeon. 15hrs/wk.
- 02/2014-09/2019 **Physical Therapist**, Captain, United States Army Reserve, A Company 328th Combat Support Hospital, B.T. Collins Reserve Center, Sacramento, CA.
Physical Therapy Officer in Charge(OIC)-Supported Soldiers in unit and PT section through accountability of equipment, monthly training, provided counseling, performed administrative tasks, mentored junior officers and enlisted, and coordinated and developed programs to ensure physical readiness. Army Physical Fitness Testing (APFT) OIC-conduct unit APFT, provided Command team unit physical readiness status, conducted training to improve soldiers' physical readiness. 15hrs/wk.
- 08/2008-04/2021 **Physical Therapist**, Reno Orthopaedic Physical Therapy and Sports Performance. Reno, NV.
Conduct physical therapy in outpatient orthopaedic setting. Evaluate and implement treatment plans for various orthopaedic, neurologic, post-operative, chronic pain, and sports-related pathologies. Saw approximately 80-100 patients/wk as the clinic spine specialist. Mentor staff and physical therapy students through presentations

and clinical observation. Participate in Return to Sports Program, ACL Program, Ski Program. Perform pre/post-participation sports related screening of musculoskeletal systems. 40hr/week.

09/2007-08/2010

Physical Therapist, Per Diem, Regent Care Center, Reno, NV. Performed patient care in skilled nursing environment. 8hrs/wk.

08/2006-08/2008

Physical Therapist, Renown Regional Medical Center, Reno, NV. Started and Managed Outpatient Orthopaedic Satellite Clinic directly under Physical Therapy Manager. Responsible for providing care and managing/supervising ancillary staff. Worked in a team environment with Primary Care Physicians, Radiologists, Physician Assistants. 40hrs/wk.

02/2004-08/2006

Senior Physical Therapist, Kaiser Permanente Medical Center, Vallejo, CA.

Worked in outpatient orthopaedic, primary care direct access, acute care settings. Evaluated patients with musculoskeletal and non-musculoskeletal dysfunctions with multiple co-morbidities. Triaged patients to appropriate providers including primary care physician, orthopaedic surgeon, radiologist, psychiatrist, physical and occupational therapists. Used plain films and advanced imaging to assist with differential diagnosis. Provided recommendations and education to patients/family. Provided educational in-services to staff. 40hrs/wk.

06/2004-01/2005

Fellow, Physical Therapy Fellowship in Orthopaedic Manual Therapy and Musculoskeletal Primary Care. Kaiser Permanente Medical Center, Vallejo, CA.

Mentored by Fellowship Faculty in outpatient orthopaedic, primary care direct access, acute care settings. Evaluated patients with musculoskeletal and non-musculoskeletal dysfunctions with multiple co-morbidities. Triaged patients to appropriate providers including primary care physician, orthopaedic surgeon, radiologist, psychiatrist, physical and occupational therapists. Learned to use plain films and advanced imaging to assist with differential diagnosis, prognosis, and treatment plan. Provided advice and education to patients/family. Provided educational in- services to staff. 40hrs/wk.

08/2002-02/2004

Physical Therapist, Queen of the Valley Hospital, Napa, CA
Worked in outpatient orthopaedic, acute rehabilitation, and acute care settings. Evaluated patients to determine physical therapy diagnosis, prognosis, and treatment plan. Provided educational in-services to staff. 40hrs/wk.

LICENSURE AND CERTIFICATIONS

07/2019-Current	<i>Certified Myofascial Cupping.</i> PESI Rehab.
05/2019-Current	<i>Certified Personalized Blood Flow Restriction Rehabilitation.</i> Owens Recovery Science.
06/2018-Current	<i>Fellow of American Academy of Orthopaedic Manual Physical Therapists.</i> American Academy of Orthopaedic Manual Physical Therapists.
03/2006-Current	<i>Board-Certified Clinical Specialist in Orthopaedic Physical Therapy,</i> American Board of Physical Therapy Specialties. Recertified through examination July 2017.
11/2012-Current	<i>Certified CPR, Healthcare Provider,</i> American Heart Association.
01/2009-01/2011	<i>Certified Golf Fitness Instructor</i> -Level I, Titleist Performance Institute.
05/2002-12/2006	<i>Certified Strength and Conditioning Specialist,</i> National Strength and Conditioning Association.
03/2021-Current	<i>Alabama Physical Therapy License,</i> License #PTH10283. Active

PROFESSIONAL MEMBERSHIP

03/2000-Present	<i>American Physical Therapy Association Member</i> <i>Orthopaedic Section Member</i> <i>Imaging Special Interest Group Member</i> <i>American Academy of Orthopaedic Physical Therapists</i>
05/2002-12/2006	<i>National Strength and Conditioning Association Member</i>

POSTER PRESENTATIONS AT SCIENTIFIC MEETINGS

02/2025	Cahanin, R. <u>Burley, TR.</u> , Waldhelm, A. Comparing the Modified Butterfly Agility Test to Other Physical Performance Tests Among Competitive Soccer Athletes. American Physical Therapy Association Annual National Conference. Houston, TX. FEB 2025.
02/2024	<u>Burley, TR.</u> , Vivone, H., Ainsworth, V., Hall, A., Harris, D., Cahanin, R. Effects of a Self-Paced Musculoskeletal Imaging Course on Musculoskeletal Imaging Competency Among Physical Therapists. American Physical Therapy Association Annual National Conference. Boston, MA. FEB 2024.

- 02/2023 Burley TR, Bryson C, March A, Baughn E, Nichols H, Bullard T, Ross MD. Clinical Decision-Making Skills Concerning Musculoskeletal Imaging in Doctor of Physical Therapy Students. American Physical Therapy Association National Conference: Combined Sections. San Diego, CA Feb 2023.
- 02/2023 Cahanin R, Fallavollita A, McQuiston S, Burley TR. The Reliability of Ultrasound-Guided Leg-Length Measurement. American Physical Therapy Association National Conference: Combined Sections. San Diego, CA Feb 2023.
- 02/2021 Burley TR, McKinnis L, Ross MD. Radiographic Enhancement Via Digital Image Inversion: Diagnosis of a Spinal Compression Fracture. 2021: American Physical Therapy Association National Conference. Combined Sections. Virtual on-line.
- 01/2011 Ross MD, Burley TR, Elliott RL. Retropharyngeal and cervical epidural abscess: A case report describing presentation, differential diagnosis and outcome in an elderly man. 2011 PT 2011: Annual Conference & Exposition of the American Physical Therapy Association. Anaheim, CA.
- 06/2011 Burley TR, Elliott RL, Ross MD. Retropharyngeal and cervical epidural abscess: A case report describing presentation, differential diagnosis and outcome in an elderly man. Poster presentation for Physical Therapy 2011: The Annual Conference and Exposition of the American Physical Therapy Association, National Harbor, MD.
- 10/2006 Burley TR, Ross MD, Bang MD. Retropharyngeal and cervical epidural abscess: A case report describing presentation, differential diagnosis and outcome in an elderly man. 2006 California Physical Therapy Association Annual Meeting, San Jose, CA.

PROFESSIONAL PRESENTATIONS

- 02/2024 Burley, TR., Ross. MD., Thein Brody, L., Boissonnault, W., Cahanin, R. Reliability of a Musculoskeletal Imaging Competency Examination for Physical Therapists. Platform Presentation. American Physical Therapy Association National Conference. Boston, MA.
- 10/2023 Burley, TR., Vivone, H., Ainsworth, V., Hall, A., Harris, D., Cahanin, R. Effects of a Self-Paced Musculoskeletal Imaging Course on Musculoskeletal Imaging Competency Among Physical Therapists. American Academy of Orthopedic Manual Physical Therapists Annual National Conference. St. Louis, MO.

- 08/2023 Burley, TR. & Cahanin, R. History and Physical Examination Versus Imaging for Diagnosis of Musculoskeletal Conditions: an Evidence Based Approach. Alabama Annual Physical Therapy Association Conference. Birmingham, AL.
- 02/2021 Burley, TR., Ross, MD., Thein Brody, L., Boissonnault, W., Musculoskeletal Imaging Competency of Physical Therapists. Platform Presentation. 2021 American Physical Therapy Association National Conference. Combined Sections. Virtual on-line.
- 11/2020 Ross MD., Burley, TR., Musculoskeletal Imaging Competency of Physical Therapists. 2020 Annual Conference American Academy of Orthopedic Manual Physical Therapists. Virtual on-line. 5x5 Platform Presentation.
- 01/2019 Burley, TR., Ross, MD., Development of a Musculoskeletal Imaging Competency Examination for Physical Therapists. Platform Presentation. American Physical Therapy Association National Conference. Combined Sections. Washington, D.C.
- 11/2018 Burley, TR., Ross, MD. Thein Brody, L., Boissonnault, W., Development of a Musculoskeletal Imaging Competency Examination for Physical Therapists. 2018 Annual Conference American Academy of Orthopedic Manual Physical Therapists. Reno, NV. 5x5 Platform Presentation.
- 07/2006 Burley, TR., Certified Strength and Conditioning Specialist Preparatory Course, Vallejo, CA

MANUSCRIPTS IN PROGRESS

- Current Burley, TR., Stoute, S., Pickens, B., ***Musculoskeletal Imaging Competency Among Military Physical Therapists***: Proposal stage.
- Current Burley, TR., Allan., C., Dale, B., Cahanin, R., Ross, MD. ***The Effects of a Musculoskeletal Imaging Course on Musculoskeletal Imaging Competency Among Student Physical Therapists***: Data collection completed.
- Current Burley, TR., Ross, MD. ***Clinical Decision-Making Skills Concerning Musculoskeletal Imaging Among Physical Therapists***. Data collection completed.
- Current Burley, TR., Ross, MD, Cahanin, R. ***Clinical Decision-Making Skills Concerning Musculoskeletal Imaging Among Doctor of Physical Therapy Students***. Data collection completed.

- Current Burley, TR., Vivone, H., Ainsworth, V., Hall, A., Harris, D., Cahanin, R. ***Effects of a Self-Paced Musculoskeletal Imaging Course on Musculoskeletal Imaging Competency Among Physical Therapists.*** Data collection completed.
- Current Burley, TR., Thein Brody, L., Boissonnault, W., Ross, MD. ***Musculoskeletal Imaging Competency of Physical Therapists in the United Kingdom.*** Currently in Process. Proposal phase.

PEER REVIEWED PUBLICATIONS

- Cahanin, R., Burley, T., Waldhelm, A., ***The Reliability and Validity of the Modified Butterfly Agility Test.*** International Journal of Sports Physical Therapy. 2025; 20(5):666-675. doi:10.26603/001c.133920.
- Burley T., Thein Brody, L., Boissonnault, W., Ross, M., Cahanin, R., ***Reliability of a Musculoskeletal Imaging Competency Examination for Physical Therapists.*** *Journal of Physical Therapy Education.* Published online. Jan 30, 2024. doi: 10.1097/JTE.0000000000000328
Print: *JOPTE.* June 2024; 38(2):133-140. | doi: 10.1097/JTE.0000000000000328.
- Cahanin, R., Fallavollita, A., Burley, T., McQuiston, S., ***The Reliability of Clinical Tools With and Without Ultrasound Guidance to Measure Leg-Length Inequality.*** *Ultrasound.* May 2024; 32(2):86-93. doi: 10.1177/1742271X231195741.
- Burley T., McKinnis, L, Ross, M, ***Diagnosis of a Spinal Compression Fracture with Digital Image Inversion.*** *Journal of Orthopaedic and Sports Physical Therapy Cases.* 2021;1(2): 99-100. doi:10.2519/josptcases.2021.9738.
- Burley T., Thein Brody, L., Boissonnault, W., Ross, M. ***Development of a Musculoskeletal Imaging Competency Examination for Physical Therapists.*** *Physical Therapy Journal.* Dec 2020;100(12):2254-2265. doi: 10.1093/ptj/pzaa154.
- Burley T., Ross M, Elliott R, Tall M. ***Acute progressive neurological decline in an elderly man.*** *J Prim Health Care.* 2018;10(4):343-347. doi: 10.1071/HC18027.

PUBLISHED ABSTRACTS

- 01/2019 Burley, TR., Ross. M., ***Development of a Musculoskeletal Imaging Competency Examination for Physical Therapists.*** Journal of Orthopaedic and Sports Physical Therapy. Proceedings for the 2019 American Physical Therapy Association National Conference. Washington, D.C.

02/2006 Burley, TR, Ross MD, Bang MD. ***Retropharyngeal and cervical epidural abscess: A case report describing presentation, differential diagnosis and outcome in an elderly man.***
Proceedings for the 2006 California Physical Therapy Association Annual Meeting.

BOOK CHAPTER

2020 Burley, TR., Cahanin, R., Integration of Imaging into Physical Therapy Practice. In: McKinnis, L, 5th ed: ***Fundamentals of Musculoskeletal Imaging.*** Philadelphia, PA: FA Davis; 2020.

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06/2019 Burley, TR., ***Burley Readiness Examination (BRE) for Musculoskeletal Imaging Competency***, Registration number TXu 2-162-947

AWARDS

10/2023 **2023 Best Platform Presentation**-First Place 5x5 Presentation. Burley, TR., Vivone, H., Ainsworth, V., Hall, A., Harris, D., Cahanin, R. Effects of a Self-Paced Musculoskeletal Imaging Course on Musculoskeletal Imaging Competency Among Physical Therapists. American Academy of Orthopedic Manual Physical Therapists Annual National Conference. St. Louis, MO

ACTIVITIES

05/2024 ***Subject Matter Expert.*** Joint Base San Antonio. Acted as SME for Development of Army Holistic Health and Fitness (H2F) Program. One week conference with multiple content area experts.

08/2022 ***Lecturer.*** University of South Alabama. Two-hour continuing education course in musculoskeletal imaging. Musculoskeletal Imaging of the Lumbar Spine. Approved by Alabama State Board of Physical Therapy. .2CEUs

09/2020 ***Invited guest.*** University of South Alabama. Imaging Lecture. Zoom on-line. Provided comments and feedback during instructed imaging course. Discussed competency in imaging for physical therapists.

08/2013 ***Head medical staff.*** Reno-Tahoe Taekwondo Classic. Peppermill. Reno, NV. Supervise athletic trainers/ancillary staff. Coordinate/perform care of acute injuries for >200 athletes.

08/2012 ***Head medical staff.*** Reno-Tahoe Taekwondo Classic. Peppermill.

Reno, NV. Supervise athletic trainers/ancillary staff. Coordinate/perform care of acute injuries for >150 athletes.

10/2006-10/2015 ***Musculoskeletal Examiner***, Pre-participation Physical, Reno Orthopaedic Physical Therapy and Sports Performance Center, Reno, NV. Perform bi-annual musculoskeletal portion of pre-participation physical for youth and high school sports.

PROFESSIONAL MILITARY EDUCATION

06/2025	<i>Command and General Staff College, Fort Leavenworth, KS</i>
06/2023	<i>Company Field Grade Officer Leadership Development Course</i>
12/2020	<i>Brigade Healthcare Provider Course</i>
11/2020	<i>Company Level Leadership Development Course</i>
08/2020	<i>Company Commander First Sergeant Course</i>
01/2020	<i>Observer, Coach/Trainer (OC/T) Course</i>
06/2019	<i>Captain Career Course</i>
08/2018	<i>US Army Reserve Command Physical Profiling Course</i>
06/2018	<i>Mary Lipscomb Hamrick Research Course</i>
10/2017	<i>Combat Lifesaver Course</i>
05/2016	<i>Team STEPPS Train the Trainer 2.0 Course</i>
11/2016	<i>COL Douglas Kersey Advanced Clinical Operational Practice Course</i>
02/2015	<i>Basic Officer Leadership Course Phase II</i>
10/2014	<i>Basic Officer Leadership Course Phase I</i>

MILITARY AWARDS

06/2014	<i>Army Service Ribbon</i>
06/2014	<i>National Defense Service Medal</i>
06/2017	<i>Army Reserve Component Achievement Medal</i>
06/2019	<i>Army Achievement Medal</i>
06/2020	<i>Army Reserve Component Achievement Medal</i>
06/2021	<i>Army Achievement Medal</i>
09/2021	<i>Army Commendation Medal</i>
07/2022	<i>Army Achievement Medal</i>
06/2024	<i>Armed Forces Reserve Medal</i>

CONTINUING EDUCATION

- July 22 Medbridge, ***Various online Courses for Evaluation and Treatment of the Spine, Certificates available on request***, 1.2 CEUs
- July 20 Medbridge, ***Documentation for Evaluations and Re-evaluations***, .3 CEUs
- July 20, Medbridge, ***Global Dynamic Functional Stability for the Hip and Pelvis***, .2CEUs
- July 20 Medbridge, ***Upper Extremity Peripheral Nerve Entrapments***, Online Course, .2CEUs
- Jun 20 Medbridge, ***Rehabilitation of the Throwing Shoulder***, Online Course, 1.9 CEUs

- Jul 19 PESI Rehab, ***Myofascial Cupping Practitioner Certification***, Reno, NV., .6 CEUs
- May 19 Owens Recovery Science, ***Blood Flow Restriction Rehab Certification Course***. Stockton, CA., 1.0 CEUs
- Jan 19 American Physical Therapy Association, ***American Physical Therapy Association 2019 Combined Sections Meeting***, Washington, D.C., 1.2 CEUs
- Nov 18 American Academy of Orthopaedic Manual Physical Therapists, ***AAOMPT 2018 Annual Conference*** 1.2 CEUs
- Jan 18 Hospital for Special Surgery and Major League Soccer, ***Major League Soccer 2018 Medical Symposium***, Orlando FL, 1.0 CEUs
- Mar16 Evidence in Motion, ***OCS Prep Course***, Online Course, 1.2 CEUs
- Oct 14 Spinal Manipulation Institute, ***Dry Needling for Craniofacial, Cervicothoracic & Upper Extremity Conditions: an Evidence-Based Approach*** (Part 1 Certification in Dry Needling), Phoenix, AZ. 2.5 CEUs.
- Jul 13 American Physical Therapy Association, ***PTA CPI Online Course***, 0.2CEUs.
- Jul 13 Pacific Medical, Inc., ***University of Nevada Athletic Training Workshop***, 0.8 CEUs.
- Mar 11 Davis PT Network, ***Musculoskeletal Imaging in Physical Therapy Practice: Radiologic Evaluation of the Knee***, Online course, 0.275 CEUs.
- Mar 11 Spinal Manipulation Institute, ***Part III: Lumbar and Sacroiliac Dysfunction: Diagnosis and Management with HVLA Thrust Manipulation and Exercise***, Las Vegas, 1.5 CEUs.
- Oct 10 Spinal Manipulation Institute, ***Part II: Cervicogenic Dysfunction & Cervicogenic Headaches: Diagnosis and Management with HVLA Thrust Manipulation and Exercise***, Las Vegas, NV, 1.5 CEUs.
- Jul 09 Spinal Manipulation Institute, ***Part I: High Velocity Low Amplitude Thrust Manipulation of the Spine, Pelvis, & Thorax***, San Antonio, TX, 1.5 CEUS.
- May 09 American Physical Therapy Association, ***Screening for Medical Disorders Part I***, CD-ROM course, 0.9 CEUs.
- May 09 American Physical Therapy Association, ***Screening for Medical Disorders Part II***, CD-ROM course, 0.5 CEUs.
- May 09 American Physical Therapy Association, ***Screening for Medical Disorders Part III: Differentiation of Claudication Pain***, CD-ROM-course, 0.2 CEUs.
- Feb 09 ***American Physical Therapy Association Combined Sections Meeting***, Las

Vegas, NV, 0. 2.1 CEUs.

- Feb 09 Joe Godges, ***The How-to-Guide to Develop and Manage an Orthopedic Residency Program***, Las Vegas, NV, 0.75 CEUs.
- Jan 09 Titleist Performance Institute, ***Level I: Golf Fitness Instructor***, Seattle, WA, 1.5 CEUs.
- May 08 PT Courses.com, ***Anatomy & Evaluation of the Hand: for the Non- Specialized Clinician***, Home Study Course, 0.5 CEUs.
- Apr 08 American Physical Therapy Association, ***Medical Imaging in Rehabilitation***, Home Study Course, 1.2 CEUs.
- Oct 06 American Physical Therapy Association, ***California Physical Therapy Association Annual Meeting***, San Jose, CA, 0.8 CEUs.
- Feb 05 American Physical Therapy Association, ***American Physical Therapy Association Combined Sections Meeting***, New Orleans, LA, 2.1 CEUs.