

Christopher S. Patterson PT, DPT, PhD, OCS
Associate Professor of Physical Therapy
Azusa Pacific University
Department of Physical Therapy
cpatterson@apu.edu

EDUCATION

PhD in Physical Therapy
Loma Linda University
Loma Linda, CA
January 2016 – December 2021

Doctor of Physical Therapy
Azusa Pacific University
Azusa, CA
February 2004 – December 2006

Prerequisite coursework for physical therapy
Fullerton College
Fullerton, CA
August 2003 – December 2003

California Teaching Credential Coursework
Physical Education and Science
California State Polytechnic University
Pomona, CA
July 2002 – June 2003

Bachelor of Science
Exercise Science and Physical Education
Arizona State University
Tempe, AZ
August 1995 – August 2001

LICENSURE

Licensed Physical Therapist: California License No. 33174; valid through June 30, 2024.

Board Certified Orthopedic Specialist, American Board of Physical Therapy Specialties. Cert.
May 2009.

WORK EXPERIENCE

Associate Professor

Azusa Pacific University, Department of Physical Therapy

Azusa, CA

2015 - Present

Senior Physical Therapist

Covina Hills Sports Medicine

San Dimas, CA

2011-Present

Biomechanics Fellow

Fellowship in Lower Quarter Biomechanics

Movement Performance Institute

Los Angeles, CA

January 2016-December 2016

Adjunct Faculty

Azusa Pacific University, Department of Physical Therapy

Azusa, CA

2013-2015

Adjunct Faculty

California Polytechnic University, Department of Kinesiology and Health Promotion

Pomona, CA

2012-2016

Director of Education/Quality Control, Physical Therapist

Coury and Buehler Physical Therapy

Orange, CA

2008-2011

Staff Physical Therapist

Covina Hills Sports Medicine

San Dimas, CA

2006-2007

PUBLICATIONS

Brumitt, J., **Patterson, C.**, Dudley, R., Sorenson, E., Cuddeford, T., Cooke, H., & Froemming, L. (2022). Correlations Between Preseason Functional Test Scores and Game Performance in Female Collegiate Volleyball Players. *International journal of sports physical therapy*, 17(5), 896–906.

Dudley, R. I., Lohman, E. B., **Patterson, C. S.**, Knox, K. G., & Gharibvand, L. (2022). The relationship between kinesiophobia and biomechanics in anterior cruciate ligament reconstructed females. *Physical therapy in sport: official journal of the Association of Chartered Physiotherapists in Sports Medicine*, 56, 32–37.

Patterson, C. S., Lohman, E., Asavasopon, S., Dudley, R., Gharibvand, L., & Powers, C. M. (2022). The influence of hip extensor and lumbar spine extensor strength on lumbar spine loading during a squat lift. *Journal of electromyography and kinesiology : official journal of the International Society of Electrophysiological Kinesiology*, 62, 102620.

Patterson, C. S., Lohman, E., Asavasopon, S., Dudley, R., Gharibvand, L., & Powers, C. M. (2022). The influence of hip flexion mobility and lumbar spine extensor strength on lumbar spine flexion during a squat lift. *Musculoskeletal science & practice*, 58, 102501.

Patterson, C. S., Dudley, R. I., Sorenson, E., & Brumitt, J. (2021). Preseason functional tests discriminate injury risk in female collegiate volleyball players. *Physical therapy in sport: official journal of the Association of Chartered Physiotherapists in Sports Medicine*, 51, 79–84.

Brumitt J, **Patterson C**, Dudley R, Sorenson E, Garrard J, & Corbett-Furgal E. (2021). Preseason lower quarter y balance test scores are not associated with time-loss injury in collegiate volleyball players. *Athletic Training and Sports Health Care* 2021;13(2):60-70.

Keefer Hutchison M, **Patterson C**, Cuddeford T, Dudley R, Sorenson E, & Brumitt J. (2020). Low prevalence of patellar tendon abnormality and low incidence of patellar tendinopathy in female collegiate volleyball players. *Res Sports Med* 2020;28(2):155-167.

Brumitt J, **Patterson C**, Dudley R, Sorenson E, Hill G, & Peterson C. (2019). Comparison of Lower Quarter Y-Balance Test Scores for Female Collegiate Volleyball Players Based on Competition Level, Position, and Starter Status. *Int J Sports Phys Ther* 2019;14(3):415-423.

Petrofsky JS, Stewart B, **Patterson C**, Cole M, Abdul A. Cardiovascular Responses and Endurance During Isometric Exercise in Patients with Type 2 Diabetes Compared to Control Subjects. *Medical Science Monitor: International medical journal of experimental and clinical research*. 10/2005;11(10):CR470-7.

Petrofsky JS, Lee S, **Patterson C**, Cole M, Stewart B. Sweat Production During Global Heating and During Isometric Exercise in People with Diabetes. *Medical Science Monitor: International medical journal of experimental and clinical research*. 12/2005;11(11):CR515-21.

PRESENTATIONS

Brumitt J, **Patterson C**, Dudley R, Sorenson E. *Preseason Functional Test Discriminate Injury Risk in Female Collegiate Volleyball Players*. American Physical Therapy Association, Orthopedic Section Combined Sections Meeting, San Antonio, Texas. February, 2022.

Patterson C, Teyhen D, Wong M. *Creating and Sustaining Behavior Change Through App-Based Technology*. American Physical Therapy Association, Orthopedic Section Combined Sections Meeting, San Antonio, Texas. February, 2018.

Karim A, **Patterson C**, Wong M. Comparisons between pirouette movement analysis with the use of smartphone video and 3-D motion capture. Performing Arts Medicine Association International Symposium 2019. Los Angeles, CA. June 2019.

Patterson C. *The Psychological and Physiological Effects of Completing a Half-marathon on Homeless Individual*. North American Society for The Psychology of Sport and Physical Activity Annual Conference. June 2018.

Patterson C, Stewart B, Cole M. *Observation of Autonomic Cardiovascular Responses During Isometric Exercise in Patients with Diabetes Compared to Age Matched Control Subjects*. American Physical Therapy Association Combined Section Meeting. February 3, 2006.

Patterson C, Stewart B, Cole M. *Sweat Response on Non-Glabrous Skin During Exercise in Patient with Diabetes Compared to Age Matched Controls*. 65th Scientific Sessions for American Diabetes Association. June 12, 2005.

CURRICULUM DEVELOPMENT

APTA-approved continuing education course
Physical Therapy Assessment and Treatment of the Overhead Throwing Athlete
November 2011

PROFESSIONAL MEMBERSHIPS

Member of the APTA, Orthopedic and Sports Section
February 2004-Present

COMMUNITY SERVICE

Physical Therapist
Up and Running Again
Non-profit running club for at risk youth and adults
June 2014- Present

Physical Therapist
Baker to Vegas Relay Race
Los Angeles Police Revolver and Athletic Club
March 2012-2016

CONTINUING EDUCATION

Evaluation & treatment of Shoulder and Knee Disorders

Instructor: Kevin Wilk
April 2021

Combined Section Meeting: American Physical Therapy Association

February 2016, 2018, 2019, 2023

Movement Links Seminar Series

Instructor: Clare Frank DPT, MS, OCS, FAAOMPT
4-month course, Sept-Dec 2015

Advanced Functional Biomechanics of the Lower Quarter

Instructor: Christopher Powers, PhD, PT, FAPTA
6-month course, June-November 2014

Fundamentals of Clinical Gait Analysis

Instructor: Christopher Powers, PhD, PT, FAPTA
March 29-30, 2014

2013 Research Symposium: The Science of Running

November 9-11, 2013

SMT-1: High Velocity Low Amplitude Thrust Manipulation of the Cervical, Thoracic, Lumbar and SI joint

Instructor: James Dunning, DPT, MSc Manip Ther, OCS, MTC, MCSP, MAACP (UK),
FAAOMPT, MMACP (UK)
February 25-26, 2012

Cervical Thoracic Integration

Instructor: Kent Keyser, PT, MS, OCS, COMT, ATC, FFCFMT, FAAOMPT
November 12-14, 2010

The Diagnosis & Treatment of the Upper Quarter & Lower Quadrants

Instructor: Brian Mulligan, FNZSP (Hon), Dip MT and Kevin Wilk, DPT
April 10-11, 2010

COURSES

Azusa Pacific University - Doctor of Physical Therapy

PT 702 – Clinical Skills

PT 778 – Diagnostic Imaging

Azusa Pacific University - PhD Rehabilitation and Movement Science

RMS 716 – Biomechanical Assessment of Movement

RMS 705 – Instrumentation and Outcome Measures

RMS 720 – Dissertation Chair

Azusa Pacific University – Movement Fellowship

Gait – Biomechanical Evaluation and treatment

Running – Biomechanical Evaluation and treatment

California Polytechnic University, Pomona

KIN 304 – Introduction to Biomechanics

KIN 412 – Movement Anatomy and Kinesiology

KIN 461 – Senior Project