



2020 VIRTUAL ANNUAL CONFERENCE

Gait and Balance Assessments

Why it is important to have a “spring in your step” whether you are 5 or 75

Christopher Neville, PT, PhD

Associate Professor / Upstate Medical University Department of PT Education, Orthopaedic Surgery and Physiology. Director of Upstate Motion Analysis Lab and Concussion Research Program

Saturday, September 26, 2020

Virtual Platform

8:00 AM – 5:30 PM EST

7 Hours of Continuing Education Offered*

*Courses offered by WVPTA are automatically approved for CE units by the WV Board of Physical Therapy. Approval of this course does not necessarily imply that the WV Board of Physical Therapy supports the views of the presenter or sponsor.

Course Description

This course is designed for entry-level to advanced clinicians who are treating gait and balance dysfunction in patients seen across the age spectrum. Across 6.5 hours of content there will be a review of normal and abnormal gait with a focus on clinical assessment. Use of gait assessment technology that is readily available, and some lab-based tools, will inform assessment for the learners. Joint specific review of gait will focus on normal and abnormal pathomechanics to inform later application for specific patient populations. Balance assessment and observation will be reviewed with an emphasis on novel integration of inertial sensors. Application of balance and gait assessments for concussion injury will be reviewed and applied to cases. A review of pediatric gait deviations and interventions will focus on lower limb assessment and treatment. Running video assessment will integrate basic mechanics into clinical assessment along with some basic intervention strategies. Finally, balance and gait in older adults will be reviewed with specific lower limb factors that should be identified and addressed.

Speaker Biography

Dr. Christopher Neville is an Associate Professor in the Department of Physical Therapy Education at Upstate Medical University. He is director of the Motion Analysis Laboratory where he completes research with the Department of Orthopedic Surgery, Department of Physiology, and the Upstate Concussion Center. Dr. Neville teaches in the area of anatomy, biomechanics, kinesiology, and research methods for the physical therapy program as well as supervising graduate and medical students from across the campus. Dr. Neville has current research projects related to both lower extremity biomechanics and balance that investigate movement limitations seen across the lifespan. Dr. Neville is the current President of the Foot and Ankle Special Interest Group (FA SIG) in the Academy of Orthopaedic Physical Therapy (AOPT). He is also a member of the National Council on Fall Risk Awareness and Prevention (NCFRAP). Dr. Neville’s research has been funded by the National Institutes of Health, Private Foundations, and Industry Partners over the past 15 years.

Conference Learning Objectives

The learner will be able to:

1. Apply the principles of biomechanics and kinesiology to analyze normal and abnormal gait considering variations across the life span.
2. Describe components of the movement assessment (static and dynamic) used after suspected Concussion Injury.
3. Examine factors influencing gait and balance in older adults
4. Describe factors influencing gait and mobility in children
5. Identify integrative balance strategies and fall risk factors for multidimensional treatment planning
6. Differentiate the principles of gait across the ages to the motor demands of running

Conference Schedule

8:00-8:15	Welcome: WVPTA Education Chair and WVPTA President
8:15-9:30	Session (1.25 CEU) Intro, Gait Basics across the lifespan, Balance Basics
9:30-9:45	Break
9:45-11:00	Session (1.25 CEU) Pediatric Gait
11:00-11:15	Break
11:15-12:30	Session (1.25 CEU) Static and Dynamic Movement in Concussion Injury
12:30-1:30	Lunch Break
1:30-2:00	Platform Presentations (.5 CEU)
2:00-3:15	Session (1.25 CEU) Orthopedic focus on Running
3:15-3:30	Break
3:30-5:00	Session (1.5 CEU) Focus on older adult and mobility
5:00-5:30	Poster Q and A Session

CONFERENCE REGISTRATION FORM

2 Easy Ways to Register:

1. Website: www.wvpta.org (click Registration Form)
2. Mail this form and check (payable to WVPTA) to the WVPTA, 1412 Kanawha Blvd., East Charleston, WV 25301

For more information contact Melanie Pagliaro by telephone at 304-612-1815 or by email at melanie@h2cstrategies.com.

NAME						
PRACTICE/COMPANY NAME						
ADDRESS						
CITY			STATE		ZIP	
WORK NUMBER			MOBILE NUMBER			
EMAIL ADDRESS						
Registration Fee	Member PT	Member PTA	Member Student	Non-Member PT	Non-Member PTA	Non-Member Student
	\$130	\$112	\$22	\$168	\$140	\$28
Select Fee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
APTA Membership Number:						
*Group Discount	Number PTs =		Number PTAs =		Total Number =	
Total Amount Enclosed =						

Cancellation Policy: Cancellations received by Friday; September 18, 2020 will receive full refund of the registration fee. No refunds after September 18, 2020.

***Group Discount Policy:** A discount will be applied to registrations of PTs and PTAs registered as a group. A 5% discount for 5 registrations, 10% for 10 registrations, and 15% for 15 registrations. Students are exempt from the discount. Please contact the Chapter office to register a group.