

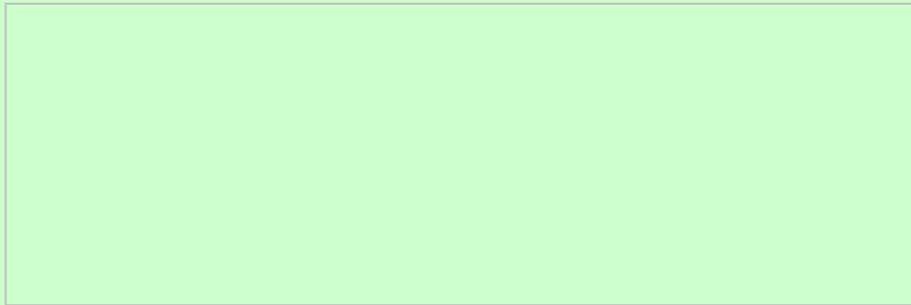


*Academy of Neurologic Physical Therapy (ANPT)
American Physical Therapy Association (APTA)*

-- January 2020 --

Combined Sections Meeting (CSM) February 12 - 15 2020

Are you ready for an exciting week in Denver?

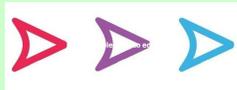


Follow CSM on Facebook, Twitter, and Instagram at
#APTACSM

Here's a preview of some of the exciting SCI and Neuro content
that will be presented at CSM 2020!

- Thursday February 13
 - [A Bit of a Stretch: The Lived Experience of Spasticity After SCI and Promising Interventions.](#) 8:00 - 10:00 am
 - [Getting to the Clinical Bottom Line: Knowledge Translation Strategies for the Locomotor CPG Action Statements.](#) 11:00 am - 1:00 pm
 - [ANPT Platform 1: SCI/General Neurologic Practice.](#) 3:00 - 5:00 pm
- Friday February 14
 - [Removing the Kid Gloves in Neurologic and Geriatric Rehabilitation.](#) 8:00 - 10:00 am
 - [When Our Patients Use Cannabis: What Every PT Should Know.](#) 11:00 am - 1:00 pm

- [Getting Published in JNPT: A Chat With the Editorial Board.](#) 11:00 am - 1:00 pm
- [Neuromodulation in Combination with Task-Specific Training to Improve Outcomes after SCI.](#) 11:00 am - 1:00 pm
- Saturday February 15
 - [ANPT SIG Group Breakfast.](#) 6:30 - 7:30 am.
 - [Therapeutic Intermittent Hypoxia: Basic Mechanisms to Clinical Studies.](#) 8:00 - 10:00 am.
 - [What We've Learned: Updates in Motor Learning and Clinical Application.](#) 11:00 am - 1:00 pm.
 - [Intervention Design to Optimally Progress Perterbation-Based Balance Training: Translating Research into Clinical Practice.](#) 3:00 - 5:00 pm.



Join us Friday Evening!

Hyatt Regency Level 3, Centennial Ballroom D



6:30 - 7:30 pm
ANPT Business Meeting
and Awards Ceremony

7:30 - 9:00 pm
Myelin Melter

Come network with your peers,
 learn more about the ANPT SIGs,
 or just dance the evening away!

*Light hors d'oeuvres will be served
 and a cash bar will be available.*



Going to CSM? We need your help!

We are collecting pictures to post to our Social Media Accounts and website. Send your CSM pictures, including the names of anyone in the picture and a 1-sentence caption, to our SCI SIG Social Media Coordinator [Kathryn McLeland](#).

SCI SIG Award Winner!

Congratulations to the winner of our

SCI SIG Award of Clinical Excellence

Kristen Cezat, PT, DPT, ATP/SMS!

Come celebrate Kristen with us at CSM 2020!



Thank you to everyone who submitted nominations for this award!

Interested in Getting More Involved?

The SCI SIG has a Nominating Committee Membership position opening up in 2020!

For more information about the position, eligibility requirements, or for a copy of the nomination form, click [here!](#)
(You must log in to see this page).

Nominations will be due in April 2020.

SCI SIG Research Review



Please see this month's research articles below!



- Sturt R, Bevans C, Hill B, Holland A, New PW. (November 25, 2019). [Validation of a Clinical Prediction Rule for Ambulation Outcome After Non-Traumatic SCI](#). Spinal Cord.
 - OBJECTIVES: To validate a Clinical Prediction Rule (CPR) for ambulation in a non-traumatic spinal cord injury population (NTSCI).
- Thibaudier Y, Tan AQ, Peters DM, Trumbower RD. (January 01, 2020). [Differential deficits in spatial and temporal interlimb coordination during walking in persons with incomplete spinal cord injury](#). Gait & Posture, 75, 121-128.
 - RESEARCH QUESTION: Do deficits in spatial and temporal interlimb coordination correspond differentially to clinical indicators of walking performance in persons with iSCI?

- Draghici AE, Shefelbine SJ, Taylor JA, Bouxsein ML, et al. (September 01, 2019). [Effects of FES-Rowing Exercise on the Time-Dependent Changes in Bone Microarchitecture After Spinal Cord Injury: A Cross-Sectional Investigation](#). *Jbmr Plus*, 3, 9.
 - ABSTRACT EXCERPT: Disuse osteoporosis is a serious, secondary consequence of spinal cord injury (SCI). Numerous pharmacological and exercise therapies have been implemented to mitigate bone loss after SCI. However, these therapies have not been shown to improve bone density, potentially because of insufficient duration and magnitude of loading and/or inability of imaging modalities to capture changes in bone microarchitecture. In this cross-sectional study, we evaluated bone microstructure of the distal tibia and radius using HR-pQCT in men with SCI (N = 13) who regularly trained with functional electrical stimulation- (FES-) rowing.

- Khuna L, Thaweewannakij T, Wattanapan P, Amatachaya P, Amatachaya S. (October 29, 2019). [Five times sit-to-stand test for ambulatory individuals with spinal cord injury: a psychometric study on the effects of arm placements](#). *Spinal Cord*.
 - OBJECTIVES: To investigate the reliability and the concurrent validity of the five times sit-to-stand test (FTSST) during various arm placement conditions in ambulatory participants with spinal cord injury (SCI). In addition, the difficulty of the FTSST during various arm placement conditions was compared using the number, characteristics, and physical ability of those who could complete the conditions.

- Qiu S, Draghici AE, Picard G, Taylor JA. (November 08, 2019). [Muscle Fatigue in Response to Electrical Stimulation Pattern and Frequency in Spinal Cord Injury](#). *PM&R: the Journal of Injury, Function, and Rehabilitation*.
 - OBJECTIVE: To investigate muscle fatigue response across stimulation patterns and frequencies during FES in able-bodied individuals and in those with spinal cord injury (SCI).

- Okawara H, Sawada T, Matsubayashi K, Sugai K, Tsuji O, Nagoshi N, Matsumoto M, et al. (December 12, 2019). [Gait ability required to achieve therapeutic effect in gait and balance function with the voluntary driven exoskeleton in patients with chronic spinal cord injury: a clinical study](#). *Spinal Cord*.
 - OBJECTIVES: To analyze the effect of body weight supported treadmill training (BWSTT) with the voluntary driven exoskeleton (VDE) in persons with differing levels and completeness of spinal cord injury (SCI) and differing walking abilities.

If you have suggestions or interest in participating in this SCI Research Review, please contact us [here](#)!

Upcoming Conferences: 2020

American Spinal Injury Association (ASIA) 2020

Annual Scientific Meeting

May 3-6, 2020 - New Orleans, LA ([New Orleans Marriott](#))

- Discounted room rates are available [here](#) until April 17, 2020 or until the room block fills! Book your room today!
- Early registration rates are available until February 15 - [register now!](#)
- Click [here](#) for more information!



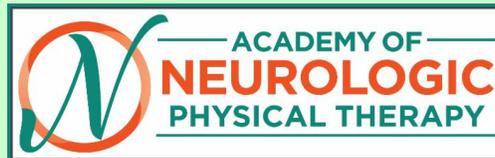
A promotional poster for the 2020 Annual Meeting of the Academy of Spinal Cord Injury Professionals, Inc. (ASCIP). The top left corner says '2020 ANNUAL MEETING' in white on a blue background. The top right features the organization's logo and name: 'Academy of Spinal Cord Injury Professionals, Inc.™' with the tagline 'Many Minds. One Vision.' Below this is a photograph of a city street at night with the word 'ONE' overlaid in large white letters. Underneath the photo is the word 'VISION' in large blue letters, followed by the phrase 'On the Magnificent Mile' in a script font. The bottom left corner states 'SEPT. 6 TO SEPT. 9 CHICAGO' in white on a blue background. The bottom right features the Hilton Chicago logo and a photograph of a hotel building, with the text 'Visit www.academyscipro.org for updates and registration information.'

Academy of SCI Professionals (ASCIP) 2020

September 6 - 9, 2020 - Chicago, IL

- Call for abstracts is now open! Click [here](#) for more information.
- Check [here](#) for updates and registration information when it becomes available!

Visit the ANPT online!



Thank you!

ANPT SCI SIG Officers

Rachel Tappan, PT, DPT, Chair
 Cathy Larson, PT, PhD, Vice-Chair
 Casey Kandilakis, PT, DPT, Chair-Elect, Secretary
 Christi Hutchison, PT, MPT, Nominating Committee
 Sara Hobbs, PT, DPT, Nominating Committee
 Andrea Stump, PT, DPT, ATP, Nominating Committee
 Kathryn McLeland, SPT, Social Media Coordinator