In this newsletter...

- Spinal Cord Injury SIG Service Award Winner
- SCI SIG Poster Award Winners
- SCI Membership Survey
- SCI SIG Nominations
- SCI Experienced Clinician List
- SCI Research In Review
- New DiSCIS Podcast
- Health Promotion and Wellness Resources
- New SCI SIG Instagram Page
- Social Media Picture Request
- CSM 2021
- Upcoming Conferences 2021/2022

SPINAL CORD INJURY SIG SERVICE AWARD

RACHEL TAPPAN, PT, DPT
SPINAL CORD INJURY SIG SERVICE AWARD WINNER!

SCI SIG POSTER AWARD WINNERS

Psychometric Properties of Four Square Step Test in Spinal
Cord Injuries
Jennifer Hilb Kahn, Michael Patrick Carey, Kadi Hamer, Madison Hanson, Katherine Kotche, Kylee Mosehart, Kelly O’Neill, Keith E Gordon

Sustained Maximal Inspiratory Pressure is More Strongly Associated with Pulmonary Function that MIP Post-SCI
Abigail Grace Young, SPT, Emily Anne Janyszek, SPT, Allison Elizabeth Villane, SPT, Anne E. Palermo, PT, DPT, Lawrence P. Cahalin, PT, PhD and Mark S Nash

SCI SIG MEMBERSHIP SURVEY

PLEASE TAKE A MOMENT TO FILL OUT OUR SCI SIG MEMBERSHIP SURVEY
https://forms.gle/XRKUJigEkRy6stUPA

SCI SIG NOMINATIONS

TIMELINE:
• Nominations are due March 29, 2021.
• Elections will be held April 5 - May 5, 2021
• Three year term begins July 1, 2021

IMPORTANT INFORMATION:
• There is no longer a requirement for individuals to be an ANPT member for 2 years!
• Membership requirements- member in good standing with a grace period of up to 3 months for any lapses in membership
• Website with position information (do not need to be logged in to view): https://neuropt.org/join/volunteer-with-the-section/election-information
• Nomination form: https://neuropt.org/members/nomination (remember must be logged on to access this page)

SCI EXPERIENCED CLINICAN LIST

PLEASE CONTACT US IF YOU WOULD LIKE YOUR NAME/CONTACT INFO ADDED TO THE LIST
Visit List

**OBJECTIVE:** A systematic review and meta-analysis was conducted to evaluate the effectiveness of VR on ULMF in patients with SCI compared with conventional physical therapy.


**OBJECTIVE:** To describe the clinical features and disease course of COVID-19 in veterans with spinal cord injury (SCI).


**ABSTRACT EXCERPT:** This narrative review will summarize the key literature in this area to determine whether locomotor training challenges the cardiovascular, muscular or metabolic systems enough to be considered a viable form of exercise.


**ABSTRACT EXCERPT:** Spinal cord stimulation is an emerging neuromodulation strategy to restore motor function. Recent studies using surgically implanted electrodes demonstrate impressive improvements in voluntary control of standing and stepping. Here we show that transcutaneous electrical stimulation of the spinal cord leads to rapid and sustained recovery of hand and arm function, even after complete paralysis.

Lotter, J. K., Henderson, C. E., Plawecki, A., Holthus, M. E., Lucas, E. H.,
OBJECTIVE: The purpose of this blinded-assessor randomized trial was to evaluate the effects of task-specific versus impairment-based interventions on walking outcomes in individuals with iSCI.


OBJECTIVE: To assess the reliability of standardized quantitative pain drawings in patients with NP following SCI.


ABSTRACT EXCERPT: Recent studies in humans with SCI found that daily bouts of breathing low oxygen (acute intermittent hypoxia, AIH) prior to locomotor training elicited persistent (weeks) improvement in overground walking speed and endurance. AIH-induced improvements in overground walking may result from changes in control strategies that also enhance intralimb coordination; however, this possibility remains untested. Here, we examined the extent to which daily AIH combined with walking practice (AIH + WALK) improved overground walking performance and intralimb motor coordination in persons with chronic, incomplete SCI.

New Discussions in Spinal Cord Injury Science (DiSCIS) Podcast

Spinal Cord Injury SIG: Interview with Kristin Musselman about Reactive Balance – Episode 8

LEAVE A COMMENT ON SPINAL CORD INJURY SIG: INTERVIEW WITH KRISTIN MUSSELMAN ABOUT REACTIVE BALANCE – EPISODE 8
In this episode, we talk to Kristin Musselman, BSc, BscPT, MSc, PhD about reactive balance after SCI and the results of the recent paper: Chan K, Lee JW, Unger J, Yoo...
Acknowledgements: The SCI SIG thanks Rachel Tappan, PT, DPT for all of her hard work on podcast development.
The Academy of Neurologic Physical Therapy (ANPT) is excited to host its 1st Annual Conference in 2021! On-demand content will be available September 8 with the virtual “live” conference October 1-3 followed by more content offerings through November 22.

As a leading innovator in neurologic physical therapy, the ANPT conference
will focus on examining recommendations and research evidence, exploring examples of successful efforts in knowledge translation as well as offering opportunities for meaningful engagement and collaborations among participants.

**Late June:** Attendee Registration Will Open

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**CSM 2022**

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**CSM 2022 Submissions**

[https://www.apta.org/csm/programming/csm-submissions](https://www.apta.org/csm/programming/csm-submissions)

- Session Proposals Due April 5th
- Platform / Poster Proposals Due July 19th

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**VISIT THE SCI SIG ONLINE!**

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**ANPT SCI SIG Officers**

Casey Kandilakis, PT, DPT, Chair
Cathy Larson, PT, PhD, Vice-Chair
Christi Hutchison, PT, MPT, Secretary
Sara Hobbs, PT, DPT, Nominating Committee Chair
Andrea Stump, PT, DPT, ATP, Nominating Committee
Andrew Smith, PT, DPT, PhD, Nominating Committee
Kathryn McLeland, PT, DPT, Lead Social Media Coordinator
Jane Mongkolvipakul, PT, DPT, Social Media Coordinator