



SPINAL CORD INJURY SPECIAL INTEREST GROUP

Academy of Neurologic Physical Therapy

NEWSLETTER

Happy Holidays from the SCI SIG!

In this newsletter...

- SCI Research- 2022 ANPT Conference Posters- Watch on YouTube
- SCI SIG Elections
- CSM 2023
- New DiSCIS Podcast
- Introducing CHATS podcasts
- SCI SIG Calendar
- SCI Experienced Clinician List
- SCI Research In Review
- Submit a Photo

Spotlight on SCI: 2022's ANPT Conference Posters- Watch on YouTube

[Click here](#) to watch Laura Patrick, PT, DPT
present findings on:

**Comparing Pre and Post Physical Therapy Core
Outcomes After Implementation of High Intensity Gait Training for
Chronic CVA, iSCI, TBI**



[Click here](#) to watch Jane Alkhazov PT, DPT and Lauren Sant PT,
DPT, NCS present findings on:

**Blood Flow Restriction and Endurance Training to Improve Sexual
Mobility for an Individual with Chronic Incomplete Spinal Cord Injury**

SCI SIG Elections



Nominations are OPEN for a board position on our Nominating Committee. Nominations are due by March 27, 2023.

[APPLY HERE](#)

ANPT Hot Topic Webinar Series

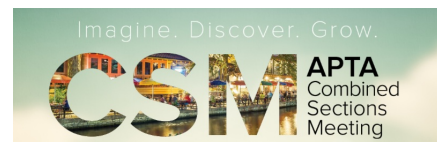
The ANPT Practice Committee is hosting the Hot Topic webinar *Clinical Prediction Rules – What to Know and How to Utilize in SCI Rehabilitation* on **Thursday, January 12 at 8:00 pm ET**.

Irene Ward, PT, DPT and Liza Meiksins PT, DPT will compare CPGs and CPRs, and discuss how CPRs can be utilized to inform a clinician's decision-making process when working with individuals post-traumatic SCI. Learn more about the webinar [here](#).

[REGISTER HERE](#)

CSM 2023: SCI Guide

CSM 2023 will be held February 22-25 in San Diego, California. More information can be found [here](#).



The SCI SIG has prepared a GUIDE for you to CSM 2023, with SCI-related content we hope will be of interest to you. The guide can be accessed [here](#), and will be updated as we approach the conference.

DISCUSSIONS IN SPINAL CORD INJURY SCIENCE (DiSCIS)

In our latest DiSCIS episode, Episode 14, hosts Kristen Cezat, PT, DPT, NCS and Uzair Hammad, PT, DPT interview Dr. Edelle Field-Fote about her group's paper "Characterizing the Experience of Spasticity after Spinal Cord Injury: A National Survey Project of the SCI Model Systems Centers" published in

Listen [here](#):

Spinal Cord Injury SIG: Interview with Dr. Edelle Field-Fote – Episode 14



INTRODUCING CHATS PODCASTS Clinical Hints And Topics in SCI

The SCI CHATS podcast is a new podcast where we bring you insightful interviews on a variety of topics related to spinal cord injury. CHATS will feature everything from patient stories and perspectives, clinical insights and tips, SCI resources, topics relating to quality of care, Q&A, and more!



In Episode 1, get to know the SCI SIG leadership: We talk with ANPT SCI SIG leadership to hear a little bit about their background, why they love treating clients with SCI, and why they chose to join the SCI SIG leadership team!

Listen to Episode 1 [here](#).

SCI SIG CALENDAR

SCI SIG CALENDAR

Check out the SIG's new calendar of SCI-related events and activities [here](#)! If you have any suggestions for additions to the calendar, or any comments or questions on events, please contact us at: anptscisig@gmail.com



SCI EXPERIENCED CLINICIAN LIST

IF YOU WOULD LIKE YOUR NAME/CONTACT
INFO ADDED TO THE LIST

PLEASE CONTACT SARA HOBBS AT
SHOBBS@SRALAB.ORG



[Visit List](#)



PLEASE SEE THIS MONTH'S
RESEARCH ARTICLES BELOW



The neurons that restore walking after paralysis.

- Kathe C, Skinnider MA, Hutson TH, Regazzi N, Gautier M, Demesmaeker R, Komi S, Ceto S, James ND, Cho N, Baud L, Galan K, Matson KJE, Rowald A, Kim K, Wang R, Minassian K, Prior JO, Asboth L, Barraud Q, Lacour SP, Levine AJ, Wagner F, Bloch J, Squair JW, Courtine G.
- Nature. 2022 Nov;611(7936):540-547. doi: 10.1038/s41586-022-05385-7. Epub 2022 Nov 9.
- PMID: 36352232
- Abstract Excerpt: Although these neurons are not required for walking before spinal cord injury, we demonstrate that they are essential for the recovery of walking with EES following spinal cord injury.

The effects of inspiratory muscle training on inspiratory muscle strength, lung function and quality of life in adults with spinal cord injuries: a systematic review and Meta-analysis.

- Woods A, Gustafson O, Williams M, Stiger R.
- Disabil Rehabil. 2022 Aug 5:1-12. doi: 10.1080/09638288.2022.2107085. Online ahead of print.
- PMID: 35931101
- Abstract Excerpt: Moderate quality evidence suggests IMT improves respiratory strength in adults with an SCI.

Does Older Age Affect the Likelihood to Achieve Normal Quality of Life Following Traumatic Spinal Cord Injury? A Prospective Observational Cohort Study.

- Lim V, Richard-Denis A, Dionne A, Maurais G, Bourassa-Moreau É, Mac-Thiong JM.
- J Neurotrauma. 2022 Sep 29. doi: 10.1089/neu.2022.0025. Online ahead of print.
- PMID: 36173098
- Abstract Excerpt: When compared to younger individuals, older individuals are more likely to achieve normal PCS and present a similar likelihood for achieving normal MCS.

The effects of robot-assisted gait training combined with non-invasive brain stimulation on lower limb function in patients with stroke and spinal cord injury: A systematic review and meta-analysis.

- Kuwahara W, Sasaki S, Yamamoto R, Kawakami M, Kaneko F.
- Front Hum Neurosci. 2022 Aug 16;16:969036. doi: 10.3389/fnhum.2022.969036. eCollection 2022.
- PMID: 36051968
- Abstract Excerpt: This meta-analysis demonstrated that RAGT therapy in combination with NIBS was effective in patients with stroke and SCI. However, a greater improvement in lower limb function and activities were not observed using RAGT with tDCS compared to sham stimulation.

Muscle adaptations in acute SCI following overground exoskeleton + FES training: A pilot study.

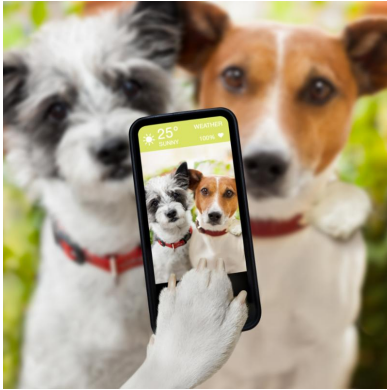
- Hohl K, Smith AC, Macaluso R, Giffhorn M, Prokup S, O'Dell DR, Kleinschmidt L, Elliott JM, Jayaraman A.
- Front Rehabil Sci. 2022 Oct 13;3:963771. doi: 10.3389/fresc.2022.963771. eCollection 2022.
- PMID: 36311207
- Abstract Excerpt: Early intervention with robotic exoskeleton may contribute to improved muscle function measured using MRI in individuals with acute SCI.

Risk factors of AIS C incomplete cervical spinal cord injury for poor prognosis-The significance of anorectal evaluation.

- Tsuji O, Suda K, Michikawa T, Takahata M, Ozaki M, Konomi T, Harmon-Matsumoto S, Komatsu M, Ushiku C, Menjo Y, Iimoto S, Watanabe K, Nakamura M, Matsumoto M, Minami A, Iwasaki N.
- J Orthop Sci. 2022 Nov 2;S0949-2658(22)00294-9. doi: 10.1016/j.jos.2022.10.007. Online ahead of print.
- PMID: 36334964
- Abstract Excerpt: Incomplete AIS C SCI individuals with older age and/or impairment of anorectal

INTERESTED IN GETTING INVOLVED?

SUBMIT A PHOTO!



We are collecting pictures to post to our Social Media Accounts and website.

Send your pictures- including the names of anyone in the picture and a 1-sentence caption- to our SCI SIG Social Media Team at anptscisig@gmail.com



ANPT SCI SIG Officers

Casey Kandilakis, PT, DPT, Chair, Chair-Elect

Christi Hutchison, PT, MPT, Vice Chair

Sara Hobbs, PT, DPT, Secretary

Andrew Smith, PT, DPT, PhD, Nominating Committee Chair

Kristen Cezat, PT, DPT, Nominating Committee

Kaci Handlery, PT, DPT, ATP, Nominating Committee

Alyson Matern, Student Physical Therapist, Student Social Media Coordinator

Briana Parson, PT, DPT, Social Media Team

Uzair Hammad, PT, DPT, Podcast Team



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ANPT Social Media



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