



*Academy of
Neurologic Physical Therapy*

*American Physical Therapy
Association*

-- May 2019 --

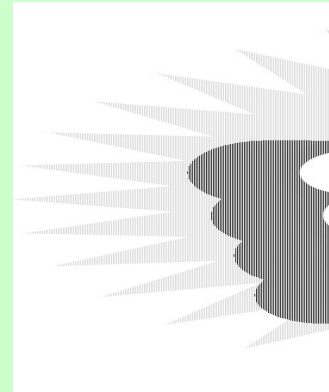
Call for Social Media Coordinator!

Calling all DPT and PTA Students!

Are you interested in getting more involved?
Are you interested in spinal cord injury?

We are opening applications for a new student position -
Social Media Coordinator

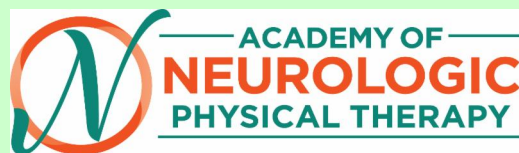
- The position is a **1-year term starting July 1, 2019.**
- You will receive **mentorship** completing the tasks.
- Requirements to apply:
 - Currently enrolled in a physical therapy or physical therapy assistant program
 - Eager to learn through mentorship and to **get involved**
 - **That's it!** No neurologic PT knowledge or experience is necessary!



Interested? [Apply here!](#) Applications due **May 25, 2019!**

Questions? Contact [Christi Hutchison, PT, MPT, NCS.](#)

2019 ANPT Award Nominations



Each year the ANPT recognizes its members for their **outstanding** work.
Now is the time to [submit a nomination](#) for the following awards!

- Service to the Academy
- Early Career Professional Award
- Excellence in Neurologic Education Award
- PT Clinical Excellence in Neuro Physical Therapy

- PTA Clinical Excellence in Neuro Physical Therapy
- Excellence in Neurologic Research
- Outstanding Clinical Innovator in Neuro Physical Therapy
- Outstanding Advocacy in Neuro Physical Therapy

Nominations are due **August 1, 2019!**

Those selected will be recognized at the ANPT Membership Meeting
at CSM in Denver, CO, February 14, 2020!

SCI SIG Research Review



Please see this month's
research articles below!



- Selfslagh, A., Shokur, S., Campos, D. S. F., Donati, A. R. C., Almeida, S., Yamauti, S. Y., Coelho, D. B., ... Nicolelis, M. A. L. (January 01, 2019). [Non-invasive, Brain-controlled Functional Electrical Stimulation for Locomotion Rehabilitation in Individuals with Paraplegia.](#) Scientific Reports, 9, 1.
 - *ABSTRACT EXCERPT: Spinal cord injury (SCI) impairs the flow of sensory and motor signals between the brain and the areas of the body located below the lesion level. Here, we describe a neurorehabilitation setup combining several approaches that were shown to have a positive effect in patients with SCI: gait training by means of non-invasive, surface functional electrical stimulation (sFES) of the lower-limbs, proprioceptive and tactile feedback, balance control through overground walking and cue-based decoding of cortical motor commands using a brain-machine interface (BMI). The central component of this new approach was the development of a novel muscle stimulation paradigm for step generation using 16 sFES channels taking all sub-phases of physiological gait into account.*
- Yeo, E., Chau, B., Chi, B., Ruckle, D. E., & Ta, P. (January 01, 2019). [Virtual Reality Neurorehabilitation for Mobility in Spinal Cord Injury: A Structured Review.](#) Innovations in Clinical Neuroscience, 16, 1-2.
 - *OBJECTIVE: The goal of this review was to evaluate the evidence regarding the use of virtual reality (VR) therapy for improvement of mobility in patients with spinal cord injury (SCI).*
- Kouwijzer, I., Cowan, R. E., Maher, J. L., Groot, F. P., Riedstra, F., Valent, L. J. M., van, W. L. H. V., ... de, G. S. (February 28, 2019). [Interrater and intrarater reliability of ventilatory thresholds determined in individuals with spinal cord injury.](#) Spinal Cord.
 - *OBJECTIVES: Individualized training regimes are often based on ventilatory thresholds (VTs). The objectives were to study: (1) whether VTs during arm ergometry could be determined in individuals with spinal cord injury (SCI), (2) the intrarater and interrater reliability of VT determination.*
- Baghel, P., Walia, S., & Noohu, M. M. (January 01, 2018). [Reliability and validity of](#)

[transfer assessment instrument version 3.0 in individuals with acute spinal cord injury in early rehabilitation phase.](#) Hong Kong Physiotherapy Journal: Official Publication of the Hong Kong Physiotherapy Association Limited = Wu Li Chih Liao, 38, 2, 115-123.

- *BACKGROUND: Transfers are very important in functional activities of subjects with spinal cord injury (SCI). The transfer assessment instrument (TAI) was the first tool to standardize the assessment of transfer technique. OBJECTIVE: The purpose of this study was to establish the reliability and validity of TAI 3.0 in people with SCI in early rehabilitation phase.*
- Gedde, M. H., Lilleberg, H. S., Gilhus, N. E., Abetamus, J., Gilhus, N. E., Rekan, T., & Rekan, T. (January 01, 2019). [Traumatic vs non-traumatic spinal cord injury: A comparison of primary rehabilitation outcomes and complications during hospitalization.](#) Journal of Spinal Cord Medicine.
 - *OBJECTIVE: To compare outcome for patients with traumatic (TSCI) and non-traumatic spinal cord injuries (NTSCI) after primary rehabilitation regarding neurological improvement measured by the American Spinal Injury Association Impairment Scale (AIS), length of stay and complications.*

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

Upcoming Conferences: 2019

Rehab Week 2019

June 24 - 28, 2019 - Toronto, Canada ([Metro Toronto Convention Centre](#))

"RehabWeek is a week-long event that brings together different conferences in the field of rehabilitation technology at the same time and place in order to foster **cross-disciplinary communication** and the development of relationships between different players."

- Register [here!](#)
- For more information, visit the Rehab Week [website!](#)



Paralyzed Veterans of America (PVA) 2019 Annual Summit

August 15 - 17, 2019 - Orlando, FL ([Renaissance Orlando at SeaWorld Hotel](#))

- [Click here](#) to register!
- Review the program [here!](#)
- Check out the PVA Annual Summit [website](#) for more information!



Academy of SCI Professionals (ASCIP) Conference and Expo

2019

Many Minds. One Vision.

September 1-4, 2019 - Nashville, TN

- Discounted registration prices if registered by **Friday, July 19, 2019!**
- Online registration will open this spring!
- Check out the [ASCIP Meeting Website](#) for more information!



58th International Spinal Cord Society (ISCoS) Meeting 2019 *Annual Scientific Meeting*

November 5 - 7, 2019 - Nice, France

- Registration will be opening soon!
- Check out the ISCoS [website](#) for more information!



Upcoming Conferences: 2020

APTA Combined Sections Meeting (CSM) 2020

February 12 - 15, 2020 - Denver, CO



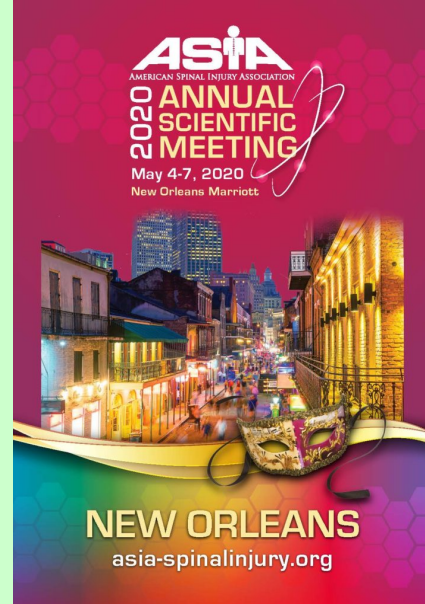
- [Research Posters and Platforms](#): due **Friday July 12, 2019!**
- Registration will open **September 18, 2019!**
- Housing and travel information will also be posted on September 18, 2019!
- Click [here](#) for more information!

American Spinal Injury Association (ASIA) 2020

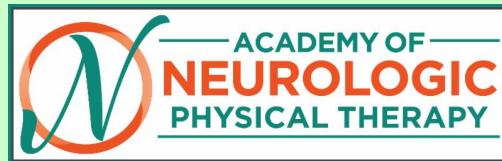
Annual Scientific Meeting

May 4-7, 2020 - New Orleans, LA (New Orleans Marriott)

- Call for abstracts will open Summer 2019!
- ASIA 2020 is currently being planned! Email the [ASIA office](#) if you have topic and/or speaker suggestions!
- Click [here](#) for more information!



Visit the ANPT online!



Thank you!

ANPT SCI SIG Officers

Rachel Tappan, PT, DPT, NCS, Chair

Meghan Joyce, PT, DPT, NCS, Vice-Chair

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Cathy Larson, PT, PhD, Nominating Committee Chair

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