

# Spinal Cord Injury SIG

American Physical Therapy Association

## NEWSLETTER

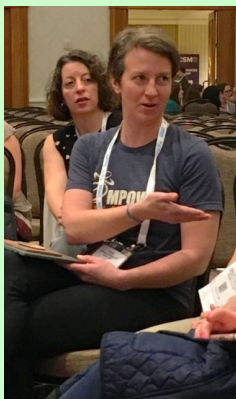


March 2018

## CSM Summary 2018



Thanks to all who attended / participated in **the largest CSM EVER** with over 17,000 attendees!



Congratulations again to **Carrie Callahan, PT, ATP**, our 2018 SCI SIG Award for Excellence in SCI Care or Service recipient!

Nominations will open again later this year. [Click here](#) for more information on this award.

*Individuals nominated and not selected for the award this year may resubmit their nomination form for consideration with updated supporting documents.*

*Weren't able to attend CSM?*

Check out everything that happened on the [@APTAcsm Twitter](#) page!

We need **YOUR** **SCI poster and presentations** at CSM 2018 in Washington, DC!

CSM Submissions are due:

- **March 21, 2018** for Education Sessions or Preconference Courses
- **June 15, 2018** for Posters or Platform Presentations

See the call for proposals and submit your proposal [here!](#)



There were several SCI-related presentations, platforms, and abstracts this year at CSM. See

below for some highlights! You can also check out the ANPT website for [links to the Neuro-CSM Handouts](#) (if available).

- **Clinical Practice Guidelines (CPG) for Strategies that Maximize Locomotor**

**Function.** T. George Hornby, PT, PhD; Darcy Reisman, PT, PhD; Irene Ward, DPT.

- This session focused on the rationale for and methods underlying a new CPG directed towards identifying strategies that maximize locomotor function. A strong emphasis was placed on the FITT principle (Frequency, Intensity, Time, and Type of training). Additionally, activities described in the CPG as "Should Be Utilized" included: walking with high intensity (60 - 80% of HRR); augmented feedback; and cycling. Activities described as "May Be Utilized" included: strength training (>70% 1 Rep Max); circuit training (60-80% of HRR); and balance training with visual feedback. Activities described as "Should Not Be Utilized" included: pre-gait activities; bodyweight-support treadmill training with assist for kinematics; and robotic assisted walking training.

- **Integrating Clinical Reasoning and the Movement System Across Health Care**

**Conditions.** Judith Deutsch, PT, PhD; Kathleen Gill-Body, PT, DPT, NCS, FAPTA; Dana Judd, DPT, PhD; Myla (Myles) Quiben, PT, PhD, DPT, MS, GCS, NCS, Margaret Schenkman, PT, PhD, FAPTA.

- The speakers presented their newly revised integrated framework for clinical decision-making, and demonstrated its application to clinical cases with various health conditions. The original framework (Schenkman et al 2006) integrated the enablement and disablement models, as well as movement and task analysis tools with the hypothesis-oriented algorithm for clinical decision-making (HOAC). The revised integrated framework was updated to emphasize movement analysis and incorporate the movement system into the clinical reasoning process. They also expanded it to apply to health conditions other than those of neurological origin. The integrated framework and movement system analysis was applied to 3 different cases from the neurological, musculoskeletal, and cardiopulmonary practice areas.

- **Imaging of Spinal Trauma: Can Protons Inform Prognosis and Improve Outcomes?**

James Elliot, PT, PhD; Denise O'Dell, PT, DSc, NCS; Andrew C. Smith, PT, DPT, PhD; Zachary Smith, MD; Rachel Tappan, PT, DPT, NCS, Kenneth Weber, DC, PhD.

- The presenters reviewed current prognostic indicators in traumatic spinal cord injury (tSCI), whiplash, and cervical spondylotic myelopathy. Advanced MRI techniques, including novel techniques to analyze T2-weighted axial images of the spinal cord and functional MRI, were discussed as well. In the case of tSCI, T2-weighted axial images were processed and analyzed for damage to specific tracts, including the lateral corticospinal tracts (LCSTs). Damage to the LCSTs was then correlated with motor output measures, which may add to the prognostic value of MRI after tSCI.

- **Women, Sexuality, and Spinal Cord Injury: An Interdisciplinary Approach.** Tabitha Rivers, PT, DPT, NCS, WCC.

- Much of the literature surrounding sexuality and fertility in relation to SCI centers on males, due to the greater percentage of males who endure SCI per year. Women and sexuality post-SCI is underrepresented in the literature and is important to discuss. This presentation reviewed the basic anatomy/physiology of the female reproductive system, discussed the physiological and psychological changes that occur in women post-SCI and their respective impact on fertility and sexuality, and the need for an interdisciplinary team approach to education in the areas of sexuality, fertility, pregnancy, and postpartum care. Topics including skin protection, bowel/bladder concerns, sexually transmitted disease education, birth control and birth planning, and labor/delivery were all discussed, and emphasized the benefit of an interdisciplinary approach, and the respective role of each treating member of the team.

- **Wound Evaluation and Wound Treatment for the Non-Wound Care PT.** Karen Albaugh, PT, DPT, MPH; Michele Alderson, SPT; Karen Gibbs, PT, PhD, DPT, CWS; Thomas Shaughnessy, PT, DPT. [Presentation handouts available from the Academy of Clinical Electrophysiology and Wound Management.](#)
  - This two part presentation was designed for physical therapists who rarely treat patients with open wounds, or for those who are new to the practice of wound management. In Part One (Wound Evaluation), speakers introduced the key components of wound evaluation, including systems review, tissue identification and wound characteristics, measurement tools, peri-wound and surrounding areas, and non-healable wound status. Speakers followed up in Part Two (Wound Treatment) with decision-making strategies to ensure that you "do no harm" and make the most with the biophysical technologies and dressings you have on hand.

## Knowledge Translation Taskforce for Locomotor Training Clinical Practice Guideline

The ANPT Practice Committee is calling for members interested in participating in a task force to *"aid in the dissemination and implementation of the locomotor training CPG...[which] identifies specific training parameters for walking recovery for individuals following stroke, SCI, and TBI."* The task force will be comprised of administrators, clinicians, program developers, DCE's, entry-level DPT faculty, residency directors, clinician researchers, and/or quality improvement specialists.

For more information, email [Leslie.Wolf@ohiohealth.com](mailto:Leslie.Wolf@ohiohealth.com).

If you are interested in serving on this task force, please submit a statement of interest and a current CV as one PDF or Word document to the Practice Committee at [Leslie.Wolf@ohiohealth.com](mailto:Leslie.Wolf@ohiohealth.com) by **March 31st, 2018**.



## Upcoming Conferences: 2018

### ASIA 2018 Scientific Meeting

May 1 - 4, 2018 - Rochester, MN ([Mayo Civic Center](#))

- Online registration is now open! [Register here!](#)
- Come hear some lectures by an exciting faculty, including:
  - **Dr. William "Zev" Rymer, MD, PhD**, who will receive the Distinguished G. Heiner Sell Lectureship for his *"integrative research approach to improve the lives of persons with [SCI], combing aspects of bioengineering, neuroscience, neurology and physiology."*
    - *Wednesday May 2, 8:45 - 9:30 am, Grand Lobby South and West*
  - **Dr. Lisa Harvey, PhD**, who, with her 20 years of clinical and research expertise working with individuals with spinal cord injuries, will review evidence supporting whether or not rehabilitation has the ability to increase strength and motor recovery following SCI.
    - *Wednesday May 2, 10:30 am - 12:00 pm, Conference Room 104*
  - **Dr. Wolfram Tetzlaff, MD, PhD**, the director of ICORD, the International Collaboration on Repair Discoveries, a multidisciplinary spinal cord injury research facility located in Vancouver, B.C. ICORD focuses on *"SCI modeling in rodents and experimental strategies for neuroprotection and neural repair after SCI."*
    - *Thursday May 3, 10:30 am - 12:00 pm, Conference Room 104*

- Check out the [ASIA Website](#) or the [Online Meeting Guide](#) for more information!



## APTANEXT 2018 Annual Conference and Expo *Connect. Engage. Explore.*

June 27 - 30, 2018 - Orlando, FL ([Orange County Convention Center](#))

- Online registration is now open! [Register here!](#)
- Signature events will include:
  - *The 49th Mary McMillan Lecture - Wisdom and Courage: Doing the Right Thing* by Laurita M. (Laurie) Hack, PT, DPT, PhD, MBA, FAPTA
  - *The 23rd John H.P. Maley Lecture - Lifecourse Health Development of Individuals with Chronic Health Conditions: Visualizing a Preferred Future* by Robert J. Palisano, PT, ScD, FAPTA
- Check out APTA NEXT [online](#) or on [Twitter](#) for more information, or review the [highlights from NEXT 2017!](#)

## ASCIP 2018 Annual Conference *Stronger Together: Passion, Purpose and Possibilities in SCI/D*

September 2 - 5, 2018 - New Orleans, LA ([New Orleans Marriott](#))

- [Book your hotel reservation](#) online or by phone (800-654-3990, mention ASCIP!) by *August 4, 2018* to take advantage of the ASCIP group rate!
- Online registration will open in *April or May*.
- Check out the [ASCIP Conference Website](#) for more information!

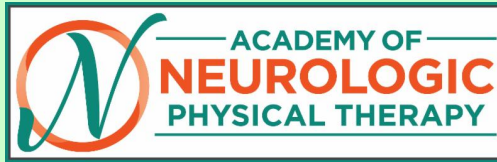
## ACRM 2018 Annual Conference *Progress in Rehabilitation Research*

September 30 - October 3, 2018 - Dallas, TX ([Hilton Anatole](#))

- [Book your hotel reservation](#) soon to take advantage of the ACRM-negotiated rates!
- Come hear lectures by leaders in the field, including:
  - **Dr. Gerben Dejong, PhD**, director of the Center for Post-acute Innovation and Research at the MedStar National Rehabilitation Network, who will be discussing *"Health Care Reform and Rehabilitation for People with SCI"*
  - **Sam Schmidt, MBA**, Owner of Schmidt Petersen Motorsports and Founder of Conquer Paralysis Now, Who, who will deliver the third plenary, *"Breaking Barriers: Sam Schmidt & the SAM Car Project"*

- Check out the [ACRM Conference Website](#) 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

Casey Kandilakis, PT, DPT, NCS, Secretary

Timothy Faw, PT, DPT, NCS, Nominating Committee Chair

Cathy Larson, PT, PhD, Nominating Committee

Christi Hutchison, PT, MPT, NCS, Nominating Committee