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MSKTC.org
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Model Systems
Knowledge Translation
Center

Headlines from the MSKTC

Connecting consumers to research-based information in
Spinal Cord Injury, Traumatic Brain Injury, and Burn Injury

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The MSKTC provides:

Consumer Information that offers guidance on treatment, social issues, and daily living after SCI, TBI, and burn injuries.

Systematic Reviews that compile, evaluate, and summarize published research evidence related to a specific medical or health topic.

Databases of research articles posted by the SCI, TBI, and Burn Model Systems.

[Upcoming Conferences:](#)

February 2-7, 2019
[41st Annual John A. Boswick Burn and Wound Care Symposium](#)

April 2-5, 2019
[51st American Burn Association Annual Meeting](#)

April 2-5, 2019
[Annual Scientific Meeting of the American Spinal Injury Association \(ASIA\)](#)

April 4-7, 2019
[AOA Annual Conference](#)

Spinal Cord Injury (SCI)

SCI Model System Researcher Presents Grand Rounds at Kessler Institute for Rehabilitation

Cheri Blauwet, MD, co-director of dissemination and knowledge translation for [Spaulding New England Regional SCI Center](#), recently presented Grand Rounds at [Northern New Jersey Spinal Cord Injury Model System](#). The presentation, "Evidence based injury and illness prevention in Paralympic sport," was held at Kessler Institute for Rehabilitation. The audience was comprised of inpatient and outpatient physicians, physical therapists, occupational therapists, residents, and fellows. Both Model Systems promote sport activities and encourage people with spinal cord injuries to explore and participate in adaptive sport programs, with skill levels ranging from beginner to Paralympic.

SCI Model System Researcher Presents to American Case Management Association

David Rosenblum, MD, medical director of outpatient rehabilitation and director of clinical care for [Spaulding New England Regional SCI Center](#) at Gaylord Specialty Healthcare in Wallingford, CT, recently presented "Spinal cord injury and the continuum of care" to the American Case Management Association, Connecticut Chapter. Approximately 50 case managers and other professionals from around the state participated in the continuum of care discussion. The presentation described epidemiology of SCI and SCI syndromes and discussed symptoms and highlighted major differences in the models of rehabilitation (long-term acute care hospitals — or LTACHs — compared to inpatient rehabilitation facilities — or IRFs). Transition planning and a brief overview of the prognosis of SCI were also discussed.

SCI Model System Researchers Publish in *Journal of Neurologic Physical Therapy*

SCI Model System researchers authored the article, "Experience of robotic exoskeleton use at four Spinal Cord Injury Model Systems centers," which was published in *Journal of Neurologic Physical Therapy*. This article describes clinicians' experiences, evaluations, and training strategies using robotic exoskeletons in spinal cord injury rehabilitation and wellness settings and describe clinicians' perceptions of exoskeleton benefits and risks and developments that would enhance utility. Authors are from the following currently-funded SCI Model System centers: [The Midwest Regional Spinal Cord Injury Care System](#) (Allen W. Heinemann, PhD; Arun Jayaraman, PT, PhD; Chaithanya K. Mummidisetty, MS; Jamal Spraggins, MS; Daniel Pinto, PT, PhD), [Rocky Mountain Regional SCI System](#) (Susan Charlifue, PhD; Candy Tefertiller, PT, DPT, NCS), [Texas Spinal Cord Injury Model System at TIRR](#) (Heather B. Taylor, PhD; Shuo-Hsiu Chang, PT, PhD; Argyrios Stampas, MD), and [Southeastern Regional Spinal Cord Injury Model System](#) (Catherine L. Furbish, PT, DPT; Edelle C. Field-Fote, PT, PhD, FAPTA). View the abstract [here](#).

SCI Model System Center Offers Public Access to De-Identified Data

Following goals set by the [National Institute on Disability, Independent Living, and Rehabilitation Research](#), the [National Spinal Cord Injury Statistical Center](#) now offers [free public access to de-identified data](#) in addition to its long-standing access to a limited data set with a data use agreement. These data are stripped of all HIPAA-defined identifiers. See

[Using the National Spinal Cord Injury Model Systems Database](#) for additional details.

SCI Model System Center Develops a 10-Part Video Series

A 10-part video series, "Voices of experiences — Living with spinal cord injury," was developed through a partnership between [Midwest Regional Spinal Cord Injury Care System](#) and [facingdisability.com](#). Each video in the series explores a different topic, ranging from first days in the hospital to greatest fears and other important topics, and new videos are being added regularly. These videos can be used by hospitals and clinicians to educate and provide answers to some of the most commonly asked questions by individuals with new injuries. Click [here](#) to access the videos.

Traumatic Brain Injury (TBI)

TBI Model Systems Researchers Publish in *Journal of Neurotrauma*

TBI Model System researchers authored the article, "Why our long-term functional prognosis tools are a valuable contribution to the traumatic brain injury outcome literature; Reply to Foks et al.," which was published in *Journal of Neurotrauma*. Authors are from the following currently-funded TBI Model System centers: [Virginia Commonwealth Traumatic Brain Injury Model System](#) (William Walker, MD; Adam Sima, PhD; Amma Agyemang, PhD; Katherine Stromberg, PhD; Jennifer Marwitz, MA; Kristin Graham, PhD, CRC; Randall Merchant, PhD; Jeffrey Kreutzer, PhD), [The Rocky Mountain Regional Brain Injury System](#) (Cindy Harrison-Felix, PhD, FACRM), [University of Washington Traumatic Brain Injury Model System](#) (Jeanne Hoffman, PhD), and [Mayo Clinic Traumatic Brain Injury Model System](#) (Allen Brown, MD).

TBI Model System Researcher Receives Early Career Award

Shannon Juengst, PhD, co-investigator at [North Texas TBI Model System](#), was awarded an Early Career R03 grant by the National Institute of Child Health and Human Development. Dr. Juengst will validate the factor structure of the Behavioral Assessment Screening Tool (BAST) among adults with TBI and develop/test a smart phone version of the BAST for remote symptom monitoring. Additionally, she received the Early Career Travel Scholarship and poster awards from the American Congress of Rehabilitation Medicine and was elected as the new Early Career Officer for the Brain Injury-Interdisciplinary Special Interest Group Executive Committee.

TBI Model System Researchers Publish in *NeuroRehabilitation*

TBI Model System researchers authored the article, "Sleep after TBI: How the TBI Model Systems have advanced the field," which was published in *NeuroRehabilitation*. This article describes the infrastructure created by the TBI Model System to investigate sleep dysfunction in those who have had moderate to severe TBI and received inpatient rehabilitation. Authors are from the following currently-funded TBI Model System centers: [North Texas Traumatic Brain Injury Model System](#) (Kathleen R. Bell, MD), [Rusk Rehabilitation TBIMS at NYU Langone Health and Bellevue Hospital](#) (Tamara Bushnik, PhD, FACRM), [New York Traumatic Brain Injury Model System](#) (Kristen Dams-O'Connor, PhD), [JFK Johnson Rehabilitation Institute Traumatic Brain Injury Model System](#) (Yelena Goldin, PhD), [University of Washington Traumatic Brain Injury Model System](#) (Jeanne M. Hoffman, PhD; Jennifer Zumsteg, MD), [Northern New Jersey Traumatic Brain Injury System](#) (Anthony Lequerica, PhD), and the Department of Veteran Affairs-funded Tampa Polytrauma Rehabilitation Center (Risa Nakase-Richardson, PhD, FACRM). View the abstract [here](#).

TBI Model System Researchers Publish in *Brain Injury Professional*

TBI Model System researchers authored the article, "Effectiveness of cognitive behavioral therapy for treating insomnia in healthy individuals and those with brain injury," which was published in *Brain Injury Professional*. This article examines the efficacy of cognitive behavioral therapy for addressing insomnia in individuals with brain injury and healthy individuals. Authors are from the following currently-funded TBI Model System centers: [North Texas Traumatic Brain Injury Model System](#) (Kathleen R. Bell, MD; Marie Dahdah, PhD; Amber Merfeld, MPH-PAPH) and [Northern New Jersey Traumatic Brain Injury System](#) (Anthony Lequerica, PhD). View the article [here](#).

TBI Model System Researchers Publish in *Archives of Physical Medicine and Rehabilitation*

TBI Model System researchers authored the article, "Employment stability in the first five years after moderate-to-severe traumatic brain injury," which was published in *Archives of Physical Medicine and Rehabilitation*. The article characterizes employment stability and identifies predictive factors of employment stability in working-age individuals after moderate-to-severe TBI that may be clinically addressed. Authors from currently-funded TBI Model System centers are: [North Texas TBI Model System](#) (Shannon B. Juengst, PhD), [Moss](#)

[Traumatic Brain Injury Model System](#) (Tessa Hart, PhD; Amanda R. Rabinowitz, PhD), [Spaulding-Harvard Traumatic Brain Injury Model System](#) (Therese M. O'Neil-Pirozzi, ScD), [Virginia Commonwealth Traumatic Brain Injury Model System](#) (Kristen M. Graham, PhD; Nathan D. Zasler, MD), [University of Alabama at Birmingham Traumatic Brain Injury Model System](#) (Thomas A. Novack, PhD), and [University of Washington Traumatic Brain Injury Model System](#) (Sureyya Dikmen, PhD). Authors from previously-funded TBI Model System centers are: University of Pittsburgh Medical Center Traumatic Brain Injury Model System (Dominic DiSanto, BA; Raj G. Kumar, PhD; Matthew R. Kesinger, MS; Amy K. Wagner, MD), Carolinas Traumatic Brain Injury Rehabilitation and Research System (Janet P. Niemeier, PhD), and the Department of Veteran Affairs-funded Tampa Polytrauma Rehabilitation Center (Christinia Dillahunt-Aspillaga, PhD; Bridget A. Cotner, PhD). View the abstract [here](#).

TBI Model System Researchers Serve as Current, Past, and Chair Elect of the Brain Injury-Interdisciplinary Special Interest Group of American Congress of Rehabilitation Medicine

Thomas Bergquist, PhD, FACRM, co-investigator at [Mayo Clinic Traumatic Brain Injury Model System](#), has been elected to the chair elect position of American Congress of Rehabilitation Medicine (ACRM) Brain Injury-Interdisciplinary Special Interest Group (BI-ISIG), which will begin in two years. The BI-ISIG is the oldest and largest ACRM special interest group and is committed to promoting high standards of clinic practice, education, and research among rehabilitation professionals with common interests in brain injury. Both the current chair, Kristin Dams-O'Connor, PhD, FACRM, and past chair, Jennifer Bogner, PhD, FACRM, are Model System researchers.

TBI Model System Researchers Contribute to *Textbook of Traumatic Brain Injury, 3rd Edition*

A host of TBI Model System researchers contributed to the newly-published 3rd edition of [Textbook of Traumatic Brain Injury](#). Click [here](#) for a list of TBI Model System Researchers who served as editor of the textbook or chapter authors.

TBI Model System Researcher Receives 2019 Rosenthal Memorial Lecture Award

Jeanne Hoffman, PhD, director of [University of Washington TBI Model System](#), received the 2019 Rosenthal Memorial Lecture Award from the American Psychological Association's Division of Rehabilitation Psychology. This award recognizes Dr. Hoffman's achievements, contributions, and leadership in improving rehabilitation care for individuals with TBI. Her accomplishments in rehabilitation psychology have made a lasting imprint on the field. Dr. Hoffman will present her award lecture at the Rehabilitation Psychology Conference, February 7-10, 2019, in Orlando, Florida.

Burn Injury (BURN)

Burn Model System Researcher Presents at International Society for Burn Injuries Conference

Gretchen Carrougher MN, RN, from [Northwest Regional Burn Model System](#), presented at the 19th Congress of the [International Society for Burn Injuries](#) in New Delhi, India. Ms. Carrougher discussed the development of burn nurse competencies and a proposed pathway to burn nurse certification. To access the list of burn nurse competencies, click [here](#). View the abstract [here](#).

Burn Model System Researchers to Present at American Burn Association Annual Meeting

Burn Model System researchers will host an educational panel entitled, "Funding your burn research with NIDILRR" on Thursday, April 4, 2-4 PM, at the American Burn Association Annual Meeting. Participants are from the following currently-funded Burn Model System centers: [Boston-Harvard Burn Model System](#) (Jeffrey Schneider, MD), [Burn Model System National Data and Statistical Center](#) (Dagmar Amtmann, PhD; Kara McMullen, MPH), [The North Texas Burn Rehabilitation Model System](#) (Radha Holavanahalli, PhD), [Northwest Regional Burn Model System](#) (Nicole Gibran, MD), and [National Institute on Disability, Independent Living, and Rehabilitation Research](#) (Amanda Reichard, PhD).



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The Model Systems Knowledge Translation Center (MSKTC) supports the Model Systems program in meeting the information needs of individuals with spinal cord injury, traumatic brain injury, and burn injury. The MSKTC is funded by National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR) and is operated by the American Institutes for Research (AIR) in collaboration with George Mason University (GMU) and BrainLine at WETA under grant number 90DP0082.

Learn more about the MSKTC at www.MSKTC.org