



Academy of 
Spinal Cord Injury
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ONE VISION *Online*

September 12 & 13 and September 21 & 22, 2020

ASCIP VIRTUAL CONFERENCE



welcome from the governance board



MICHAEL J. KENNELLY
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Greetings and welcome to the 2020 virtual ASCIP Conference and Expo...One Vision Online! The Academy Program Committee has assembled and designed this conference to provide you with a wide variety of presentations, keynote and awarded speakers, and plenary sessions that will appeal to all SCI professionals. With four days of spectacular interdisciplinary- as well as practice-specific content, opportunities for specific clinical education on key areas of SCI practice and research, as well as over 100 posters available via the conference app, we are confident you will leave better equipped to provide cutting edge care to your patients and their support teams.

Our program draws from expertise in science, clinical practice, theoretical considerations, and in-depth research completed by our interdisciplinary membership. We encourage you to take advantage of the opportunity to access program content beyond September 12th, 13th, 21st and 22nd, given ongoing virtual access to program content until the end of 2020.



SAM ADAMS
OTR/L
ascip program chair

We are particularly happy to be able to gather this year, despite challenging world events, to exchange views and share information, thanks to our dedicated sponsors: BARD Care – BD, Craig H. Neilsen Foundation, HelpHopeLive, Hollister, Medtronic, and Quantum Rehab. Thank you also, to our Institutional Members: Craig Hospital, Hollister, Kessler Foundation, Kessler Institute, Renown Health, and Shepherd Center. for your dedication and allegiance to the Academy of SCI Professionals.

Finally, we are delighted to take this opportunity to thank YOU, our members, for your faithfulness and support of our Academy. We are excited about our future and encourage you to become involved in ASCIP through participation on committees and as discipline-specific section board members.

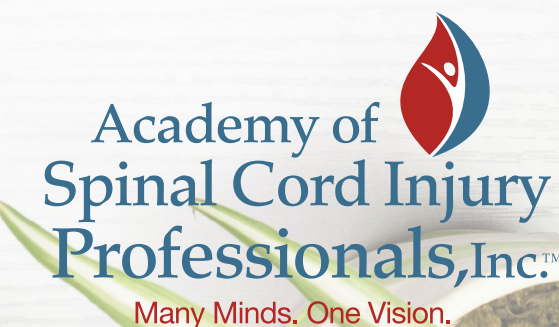
Enjoy this extraordinary conference this year in the comfort of your homes. We look forward to seeing you ALL face-to-face in San Diego in 2021!

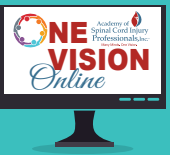


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mobile app info

The ASCIP 2020 Virtual Educational Conference and Expo App is your place to go for important information about the event, accessing the sessions, and other features to enhance your event experience.

As a conference attendee, you will access all educational sessions from the App, so please add the App to any and all devices you will use during the conference (i.e., cell phone, tablet, PC).



[click here for instructions](#)



We are delighted to welcome our outstanding sponsors and exhibitors supporting the first ever ASCIP VIRTUAL Conference!

The virtual sponsor and exhibit hall is an integral and dynamic part of the annual conference, connecting you with companies and organizations that offer the latest products and services and cutting-edge technologies.

The virtual sponsor and exhibit hall provide information for each company and organization with the option to link to their websites and or complete a simple form to have them contact you directly.

As they are supporting ASCIP – please take the time to visit their virtual exhibit booths and support their companies and organizations!

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The Nielsen Foundation's funding is dedicated to supporting both programs and scientific research to improve the quality of life for those affected by and living with spinal cord injury.



join the ascip team

The Academy of SCI Professionals is an interdisciplinary organization devoted to improving care through sharing knowledge and expertise. We are the premiere interdisciplinary organization dedicated to advancing the care of people with spinal cord injury. Our leadership and membership are made up of physicians, nurses, psychologists, social workers, counselors and therapists.

Together we envision a world where people with disabilities are healthier, more independent, and more empowered through a comprehensive lifetime of care to take on all the challenges that life presents.

Together we provide world-class networking, continuing education opportunities, and publications for professionals in the field and those interested in SCI. Together we advocate for better access to comprehensive lifelong quality health care for all SCI patients and for more public, policy maker, and philanthropic awareness of the challenges facing SCI patients and professionals alike.

Please join us at www.academyscipro.org

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Academy of Spinal Cord Injury Professionals | 2020 Virtual Conference

EASTERN TIME	SATURDAY · SEPTEMBER 12, 2020
10:00am - 10:15am	Welcome and Announcements
10:15am - 11:15am	3005 KEYNOTE Disabusing Disability™: Demonstrating That DISability Doesn't Mean Inability <i>Oluwaferanmi Okanlami, MD, MS; Johan Latorre, MD; Erik Robeznieks; Matthew Fritzie</i>
11:20am - 12:20pm	3008 AUDREY NELSON LECTURE Cognitive Frailty: The Relationship Between Physical Function and Cognitive Impairment <i>Lana Sargent, PhD, RN, FNP-C, GNP-BC</i>
12:25pm - 1:25pm	3007 ANTHONY DIMARCO LECTURE Clinical Update: What Health Care Professionals Need to Know About Electronic Cigarettes and Vaping Devices In 2020 <i>Naseema Merchant, MD</i>
1:25pm - 2:00pm	Lunch Break
2:00pm - 3:00pm	3004 JAMES J. PETERS LECTURE Resilience: Lessons from James J. Peters <i>Catherine Wilson, Psy.D, ABPP (Rp)</i>
3:05pm - 4:05pm	3003 ESSIE MORGAN LECTURE Changes Ahead: Driving on the Research to Practice Highway <i>Lisa Ottomanelli, PhD</i>
4:10pm - 5:10pm	2319 TLC DISTINGUISHED LECTURE Wheelchairs: The Good, The Bad, and The Ugly (and What We Can Do About it) <i>Lynn Worobey, PhD, DPT, ATP</i>
5:10pm - 5:15pm	Closing Comments
5:20pm	Register for our FREE Trivia Night - Sponsored by: Help Hope Live

EASTERN TIME	SUNDAY · SEPTEMBER 13, 2020			
10:00am - 10:15am	Welcome Back			
10:15am - 11:15am	3011 DONALD MUNRO LECTURE Daring to Dream: Making a Difference in SCI <i>Steven Kirshblum, MD</i>			
	Room 1	Room 2	Room 3	Room 4
11:25am - 11:30am	Introductions	Introductions	Introductions	Introductions
11:30am - 12:00pm	2144 Concussion Evaluation in Adaptive Sports: Concussion Initiative at 39th National Veteran Wheelchair Games <i>Michael Harper, MD, ATC; Jonathan Lee; Michael Uihlein, MD</i>	2349 Transcutaneous Spinal Cord Stimulation in Combination with Massed Practice Training in Spinal Cord Injury <i>Meghan Joyce Rozwod, PT, DPT; Andrew Smith, PT, DPT, PhD; Candy Tefertiller, PT, DPT, PhD, NCS</i>	2370 Bone Health in Children with Spinal Cord Injury Cased by Acute Flaccid Myelitis <i>Janet Dean, MR, RN, CRRN, CRNP; Cristina Sadowsky, MD; Natalie Curley, BS</i>	2364 Advocacy: Past and Current Projects, Future Directions <i>Ellia Ciammaichella, DO, JD; Matthew Davis, MD; Sigmund Hough, PhD., ABPP/rp; Kathy Hulse, LCSW, CCM</i>

	Room 1	Room 2	Room 3	Room 4
12:05pm - 12:35pm	2273 No Experience is Required: The Road Toward Designing Usable and Accessible Sports Activities for Individuals With Spinal Cord Injuries <i>Stephen Trapp, PhD; Ahmad Alsalem, MS; James Gardner, OTR/L, ATP; Jeffery Rosenbluth, MD; Jason Wiese, PhD</i>	2081 Sexual Health and Fertility in Spinal Cord Injury: An Interdisciplinary Approach <i>April Conway, RN, ANP-BC</i>	2152 Unique Aspects of Rehabilitation for Patients With Spinal Cord Tumors <i>Ellia Ciammaichella, DO, JD; Carolina Gutierrez, MD</i>	2341 Navigating Resources After Spinal Cord Injury: Seeking Sufficient and Appropriate Care <i>Anne Bryden, MA, OTR/L</i>
12:35pm - 12:45pm Break				
	Room 1	Room 2	Room 3	Room 4
12:45pm - 1:15pm	2289 Establishing an Adaptive CrossFit Gym for Community Fitness <i>Brad Dexter, PT, DPT</i>		2302** Clinical and Ethical Dilemmas of Spasticity Management After Acute Spinal Cord Injury <i>Radha Korupolu, MD, MS; Kathryn, Nedley, OTD, OTR; Richpal, PT</i>	2089 Telemental Health Services in Spinal Cord Injury/ Disorders: A New Frontier <i>Jessica Brundage, PhD; Roger Williams, PhD</i>
1:20pm - 1:50pm	2306 Finding Balance Throughout the Spectrum of Care; Incorporating the Use of Technology and Developing a Foundation of Skills for Individuals with Spinal Cord Injury <i>Rachael Houtman, PT, DPT, NCS</i>	2356 Experience with an Adapted Seated Tai Chi Program for Individuals with Spinal Cord Injury and Disorder <i>Michael Voight, MOT; Jeff Jaramillo, DPT, MS; Jessica Radmilovic, MS, CTRS; Jenny Kiratli, PhD</i>	2280 Veteran and Provider Convergent and Divergent Perspectives of Preventing Community-Acquired Pressure Injuries in Spinal Cord Injury <i>Lisa Skemp, PhD, RN, FAAN; Sameer Siddiqui, MD; Lisa Burkhart RN, ANEF</i>	2199 A Comprehensive Approach to Suicide Risk Screening, Assessment and Mitigation: One VA Spinal Cord Injury Center's Models <i>Herb Ames, PhD, ABPP, ABN</i>
1:55pm - 2:10pm	2295 Clinical Improvement in Upper Extremity Function Following Nerve Transfer for Tetraplegia: A Cohort Study <i>Kathryn Nedley, OTD, OTR</i>	2336 Improving Skin Screening Capabilities for Veterans with Spinal Cord Injury and Disorders <i>Christine, Olney, PhD RN; Gary Goldish, MD</i>	2203 Appraisals of DisAbility Primary and Secondary Scale-Short Form (ADAPSS-sf): What Do We Know? <i>Herb Ames, PhD</i>	
2:15pm - 2:55pm Lunch Break				
	Room 1	Room 2	Room 3	Room 4
3:00pm - 3:45pm	2150 Hospital Designed for the Patient and for the Future: Creating an Accessibility-First, Patient-First Rehab Hospital <i>James Gardner, OTR/L, ATP</i>			2357 Celebrating 30 Years of The Americans With Disabilities Act: Impact on SCI and Future Directions <i>Anne Bryden, MA, OTR/L; Matthew, Davis, MD; Lex Frieden, PhD</i>

	Room 1	Room 2	Room 3	Room 4
3:50pm - 4:35pm	2283 What's Hot in SCI Care: Key Articles From the Past One Year <i>Sunil Sabharwal, MD</i>	2358 Guidelines For Characterizing Paralysis in the Upper Extremity: Detailed Assessment of Lower Motor Neuron Status <i>Anne Bryden, MA, OTR/L; Kevin Kilgore, PhD; Gina Kubec, OTD</i>	2201 Addressing Women's Health After Spinal Cord Injury <i>Stephanie Hendrick, MD; Allison Kessler, MD, MSc; Anne Armstrong, OTR/L; Michelle K ominiarek, MD, MS</i>	3006 A Qualitative Exploration of Perceived Injustice Among Individuals Following Spinal Cord Injury <i>Kimberley R. Monden, PhD</i>
4:40pm - 4:55pm	2220 The Burst Catheter Balloon: A Comparison of Fragmentation Rates and Overinflation Burst Volumes In Foley Catheters <i>Courtney Gilbert, MD</i>	2323 Factors Influencing the Incidence of Wheelchair Repairs Among Individuals with Spinal Cord Injury <i>Elizabeth Stanley, DPT</i>	2360 Integrating Best Practice Strategies for Bowel Program Management on the Spinal Cord Unit <i>Cecelia Williams, RN; Angela DeNeal-Johnson, RN</i>	2214 Return to Education After Traumatic Spinal Cord Injury and Potential Benefits to Improved Quality of Life <i>Shelly Hsieh, MD</i>
5:00pm - 5:15pm	2159 Serum Cystatin C Testing Helps Better Classify Chronic Spinal Cord Injury Patients with Moderate or Severe Reductions in Estimated Glomerular Filtration Rate <i>Nicholas Shah, MD; Gizelda Casella, MD, PHD</i>	2130 The Experience of Using a Hospital Bed Alternative at Home Among Individuals with Spinal Cord Injury: A Case Series <i>Lorena Salas, OTR/L, ATP; Rachel Levinson OTR/L, ATP</i>	2169 The HOPE Program at Atrium Health: A Unique Approach to Health-care Resources for Underfunded Patient <i>Kelly Werts, DPT; Dana Gentile, OTR/L</i>	
5:15pm - 5:25pm Transition to Plenary				
5:25pm - 6:40pm	3009 Spinal Cord Injury Gone Viral! Covid-19 Management Strategies In A New Normal <i>Trevor Dyson-Hudson, MD; David Gater, MD, PhD, MS; Monifa Brooks, MD; Miguel X. Escalon, MD, MPH; Radha Korupola, MD; Donna Huang, MD</i>			
6:40pm - 6:45pm Closing Comments				

EASTERN TIME	MONDAY · SEPTEMBER 21, 2020			
	Room 1	Room 2	Room 3	Room 4
10:00am - 10:15am	Welcome Back & Awards	Welcome Back & Awards	Welcome Back & Awards	Welcome Back & Awards
10:15am - 11:00am	2265** Ethical Considerations for Individuals with Spinal Tumors <i>Ranit Lieberman, PT, DPT, NCS; Trisha Hicks, LSW, MSW, MEd; Laura McGowan, PT, DPT</i>	Research Committee Presentation (Non CME/CE Session)	Clinical Roundtable Rural and Community-based SCI Services <i>(Must register for event. Capacity 12) (Non CME/CE Session)</i>	
11:05am - 11:35am	2230 Building Fall Prevention Skills Among Full-time Wheelchair and Scooter Users Living with Multiple Sclerosis or Spinal Cord Injury: Best Practices <i>Laura Rice, PhD, MPT, ATP</i>	2161 Beyond the Basics: Managing Challenging Scenarios of Neurogenic Bowel After Spinal Cord Injury <i>Jayne Donovan, MD; Rita Hamilton, DC; Steve Kirshblum, MD; William Scelza, MD</i>	2242 Miles Before We Sleep: Improving Tools and Outcomes for Employment after SCI <i>Lisa Ottomanelli, PhD; Richard Toscano, MEd; Michael Richardson, MD, FACP</i>	

11:35am - 11:40am	Break			
	Room 1	Room 2	Room 3	Room 4
11:40am - 12:10pm	2127 CARF Quality Frameworks and How to Imbed Social Determinants of Health In Your Care Delivery <i>Christine MacDonell, BSc</i>	2327 Improving Flap Surgery Outcomes Using the Minneapolis "Spinal Cord Optimization, Rehab and Empowerment" (SCORE) Tool <i>Mary Murphy Kruse, RN, MA, CWOCN, CWS; Crystal Stien, DPT; Christine Olney PhD, RN; Cenk Cayci, MD; Anjum Kaka MD</i>	2142 Interventions in Inpatient Rehabilitation to Increase Psychosocial Well-Being for Individuals with Spinal Cord Injury or Disease <i>Jessica Loeser, MSOT, OTR/L, CPAM; Claire Graziano, MSOT, OTR/L, CPAM</i>	2344 Filling the Gap: Education and Resources for Adaptive Sports in the Outpatient Rehabilitation Setting <i>Erin Brown, OTR, ATP; Terrie Price, PhD, ABPP; Sarah Schmith, DPT; Tom Knaus OTR/L</i>
12:15pm - 12:45pm	2368 Expedited International Standards for Neurological Classification of Spinal Cord Injury (E-ISNCSCI) <i>Stephen Burns, MD</i>	2333 Post-Operative Care of Spinal Cord Patients after Myocutaneous Flap Surgery: A Strict Post Flap Protocol <i>Mary Murphy Kruse, RN, MA, CWOCN, CWS; Crystal Stien, DPT; Cenk Cayci, MD</i>	2210 Promoting Behavioral Change Through Implementation of Functional Group Education for the Spinal Cord Population <i>Ashley Taylor, PT, NCS</i>	2298 Behind Closed Doors: Sex And Intimacy After Spinal Cord Injury <i>Amy Shaw, MS OTR/L; Susan Kinne, OTR/L; Andrea Lewis, OTR/L</i>
12:50pm - 1:20pm	2128 Sensitized To Sleeplessness: Implications of Sleep Dysfunction After Spinal Cord Injury <i>Douglas Eck, PT, DPT, NCS, MHI</i>	2308 Toward Active Safety for Power Wheelchair Users with SCI: Why We Need Tools to Detect Foot Mispositioning from Wheelchair Footplates <i>M. Kristi Henzel, MD, PhD; George Marzloff, MD</i>	2279 Developing an Emergency Preparedness Program for the Spinal Cord Injury Population <i>Karen Stull, MS, CCC/SLP; Cherisa Ard, MOT, OTR; Kirsten Garwood, MOT, OTR</i>	
1:25pm - 2:00pm	Register for Sponsor Luncheons - Lunch Provided! Medtronic - BARD BD - Quantum Rehab			
	Room 1	Room 2	Room 3	Room 4
2:05pm - 3:05pm	2288 ASK The Urologist: HOT Topics in Neuro-Urology and Case Presentations <i>Michael Kennelly, MD, FACS; Sara Lenherr, MD, MS</i>	3001 A Biopsychosocial Approach to Chronic Pain Assessment and Management <i>Christine Gagnon, PhD</i>	Clinical Roundtable Caregiver Support During Times of COVID <i>(Must register for event. Capacity 12) (Non CME/CU Session)</i>	
3:10pm - 3:40pm	2109 Techniques for Intermittent Self-Catheterization for Females with Paraplegia Across the Continuum of Care <i>Amy Haroff, OTR/L; Kaitlyn Theisen, MSOT, OTR/L</i>		2342 Supporting Patients Through Discharge and Beyond <i>Allison Gipple, MS, CTRS</i>	2231 Providing Outpatient Therapy Services Through Telerehabilitation <i>Brad Dexter, PT, DPT</i>

	Room 1	Room 2	Room 3	Room 4
3:45pm - 4:00pm	2362 Decreased Central Adiposity After 100 Exoskeletal-Assisted Walking Sessions in Persons with Chronic Spinal Cord Injury <i>Christopher Cirnigliaro, MS</i>	2158 Comparing Metabolic Outcomes During a Battle Rope Exercise Protocol versus Upper Extremity Cycling Protocol in Adults with Spinal Cord Injury <i>Jordan Birdsong, DPT</i>	2191 Fit and Function: Helping Patients Choose the Right Intermittent Catheter <i>Danielle Housman, MS, OTR/L, OTDS, CLT</i>	
4:05pm - 4:20pm	2205 Improved Respiratory Health for Individuals with Acute Cervical Tetraplegia: Reducing the Risk of Hospital Transfers During Inpatient Rehabilitation <i>Beth Jacobs, RN, CCM, CRRN</i>	2309 JAYANTHI LECTURE Leaving No Stone Unturned: Bladder Calculi Composition, Recurrence, and Management Implications <i>Brittany Snider, DO</i>		
4:20pm - 4:25pm	Closing Comments			

EASTERN TIME	TUESDAY · SEPTEMBER 22, 2020			
	Room 1	Room 2	Room 3	Room 4
10:00am - 10:15am	Welcome Back & Awards	Welcome Back & Awards	Welcome Back & Awards	Welcome Back & Awards
10:15am - 10:30am	3002 BORS AWARD Duplex Ultrasound Surveillance for Deep Vein Thrombosis After Acute Traumatic Spinal Cord Injury at Rehabilitation Admission <i>Beverly Hon, MD</i>	2312 Web-Based Transfer Training: Evidence for an Online Approach for Wheelchair Transfer Training <i>Kaitlin DiGiovine</i>	2261 What Matters to You? Whole Health Implementation in VA's SCI/D System of Care <i>Erik Wallen, PhD; Jennifer Sippel, PhD; Meaghan Park, FACHE; Itala Wickremasinghe, MD</i>	2151 CBD – Practical Considerations <i>Kathleen Collins, RPh, PharmD, BCPS</i>
10:35am - 10:50am	2325 Matching Rehabilitation Strategies to the Weakness Phenotype of the Upper Limb in Tetraplegia <i>Jeff Jaramillo, DPT, MS</i>	2145 Are Gaps in Knowledge Affecting the Utilization of Robotic Exoskeletons for Ambulation? <i>Cassandra Hogan, PT, DPT, NCS; Kathryn Fitzgerald, PT, DPT, NCS</i>		

	Room 1	Room 2	Room 3	Room 4
10:55am - 11:10am	2311 Complications Associated with Colonoscopy In Patients with Spinal Cord Injury And Disorders (SCI/D) <i>Gizelda Casella, MD PHD</i>	2254 Movement Amplification to Improve Gait Stability in Spinal Cord Injury: A Case Series <i>Jennifer Kahn, PT, DPT; Keith Gordon, PhD</i>		2241 Current Opioid Prescribing Policies and Their Implications for Individuals with Spinal Cord Injury <i>Jo Ann Shoup, PhD, MS, MSW, MA, LSW, NCC</i>
11:15am - 11:30am	2305 Comparing Outcomes of Mechanical Ventilation with High vs. Moderate Tidal Volumes in Tracheostomized Patients with SCI: A Retrospective Cohort Study <i>Radha Korupolu, MD, MS</i>	2266 Intensity of Therapeutic Interventions in Inpatient Rehabilitation for Patients with Spinal Cord Injury: A Pilot Study <i>Lindsey Wynne, PT, DPT</i>		
11:35am - 11:50am	2339 Future Directions for Implantable Multifunction Neuroprostheses Providing Function in Spinal Cord Injury <i>Kevin Kilgore, PhD</i>	2301 SCITrialsFinder.net: An Interactive Website to Identify Clinical Trials for People with Spinal Cord Injury <i>Trevor Dyson-Hudson, MD</i>	2376 Living well after SCI: Understanding Women Preventative Health Care Needs <i>Mary Ann Richmond, MD, MS, DVM; Monique Washington, DNP, RN, PHNA-BC; Matthew Carlisle, BS; Brooke Blakey, BSPH</i>	2284 Spinal Cord Injury Patient Experiences with Medical Marijuana in Pennsylvania <i>Natasha Romanoski, DO; Michael Kryger, MD; Veronica Chehata, MD; Soumabha Das, MD</i>
11:55am - 12:10pm	2372 Improved Cardiac and Circulatory Function After Epidural Stimulation of the Lumbosacral Spinal Cord <i>Bonnie Ditterline, PhD; Susan Harkema, PhD; Glenn Hirsch, MD, MHS; Beatrice Ugiliweneza, PhD</i>	2264 The Story of Implementing Functional Electrical Stimulation Cycling in Alberta, Canada <i>Jacqueline Rowley, BScPT, MSc</i>	NON CME/CEU ACTIVITY	
12:10pm - 12:25pm	Break			Closing Comments
	Room 1	Room 2	Room 3	
12:30pm - 12:45pm	2170 Sweating Level Versus Neurological Level of Injury in Persons with Spinal Cord Injury <i>Michelle Trbovich, MD</i>	2353 Improving Hand Recovery with Neuromodulation in Chronic Tetraplegia: Preliminary Findings of an Ongoing Study <i>John Lopez, DO</i>	2269 Adaptive Sports and Assistive Technology: An Interdisciplinary Collaboration <i>Katie Schultz, DPT, ATP; Joyce Casey, CTRS</i>	

	Room 1	Room 2	Room 3	
12:50pm - 1:05pm	2352 Bone Mineral Density of Distal Femur and Proximal Tibia: State of the Science and Clinical Interpretation <i>Jenny Kiratli, PhD</i>	2271 Incidence of Cardiovascular Events in a Spinal Cord Injury Population <i>Brian Higdon, MD; Tommy Yu, MD</i>	Continued: 2269 Adaptive Sports and Assistive Technology: An Interdisciplinary Collaboration <i>Katie Schultz, DPT, ATP; Joyce Casey, CTRS</i>	
1:10pm - 1:25pm	2268 Treatment of Lower Extremity Fractures in Chronic Spinal Cord Injury: A Systematic Review of the Literature <i>Donna Huang, MD</i>	2166 Prevalence Of Amputation In The Spinal Cord Injured Population <i>Tommy Yu, MD; Morgan Pyne, DO</i>		
1:30pm - 1:45pm	2163 The Use of Serial Bone Density Scans in Hypothetical Patients with Spinal Cord Injury <i>Cara Ray, MA</i>	2303 Changes in Computer, Internet, and Email Use Over Time Among Individuals with Traumatic Spinal Cord Injury <i>Stephanie Rigot, DPT</i>	2114 Veteran's Outdoor Adventure Program: A Regional Spinal Cord Injury Center's Initiative for Community Reintegration <i>Katharine Tam, MD; Katherine Stenson, MD; Matthew Luitjohan, CTRS; Charley Wright, MS,CTRS, ATP</i>	
1:50pm - 2:05pm	2263 Managing Osteoporosis in SCI: Decision Making Using Hypothetical Case Scenarios <i>Frances Weaver, PhD</i>	2335 Exercise Options to Improve Cardiometabolic Health in People with Spinal Cord Injury: A Review <i>Daniela Iliescu, MD</i>		
2:05pm - 2:10pm	Closing Remarks			



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Date: Monday, September 21, 2020

Time: 1:25–2:05 p.m.

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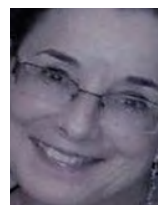
The Academy of Spinal Cord Injury Professionals Leadership Award



Sigmund Hough, Ph.D., ABPP/rp

Sigmund Hough, Ph.D., ABPP/rp, A.B. from Columbia College, Columbia University, M.A. in Developmental Psychology, Columbia University, Ph.D. in Clinical Psychology, Boston University. ABPP board specialization in Rehabilitation Psychology. Dr. Hough is a clinical rehabilitation neuropsychologist, Spinal Cord Injury Service, VA Boston Healthcare System. Assistant Professor in the Department of Psychiatry, Harvard Medical School; Adjunct Assistant Professor of Psychiatry, Boston University School of Medicine. He has served as Clinical Director and Director of Psychological services at private rehabilitation facilities, case reviewer for nationwide managed care company, and as a clinical service provider in both the public and private sector. He has served as Director, Postdoctoral Fellowship Training Program-Boston Consortium in Clinical Psychology, and received the APPIC Excellence in Psychology Postdoctoral Training Award. He is a Fellow in the National Academy of Neuropsychology, registered as a National Health Care Provider in Psychology, licensed in Massachusetts and Maine. He has conducted nationwide Internship and Postdoctoral Training Site Reviews for the American Psychological Association. Conducts medical facility accreditation site surveys nationwide and internationally for the division of Medical Rehabilitation, CARF (as well as blended CARF/JCAHO surveys). AASECT Certified Sex Therapist and Editor-in-Chief of the international journal *Sexuality and Disability*. Served as a member of the CARF International Standards Advisory Committee - Networks. Contributing Editor at Harvard Health Publications, Harvard Medical School. His research and scholarly interests can be found in national and international conference presentations and publications in the areas of neurological injury, rehabilitation, sexuality, diversity, human rights, and adjustment to events across the life cycle. Dr. Hough has served as President of PSWC 2009-2010 and 2010-2011; Vice President of ASCIP 2011-2015, member and/or chaired ASCIP committees such as Advocacy, Clinical Practice, Electronic Communications, and Membership. He received the ASCIP Clinical Practice Award and the "Becky" J. Adcock, PhD. Award for Excellence in Mentoring. He played a key role in the development of ASCIP Early Career and Trainee Support "ECATS" program, and continues to provide well respected mentorship.

James J. Peters Distinguished Service Award



Catherine Wilson, PysD., ABPP (RP)

Dr. Catherine Wilson retired after 9 years as a staff psychologist on the spinal cord injury/disability unit at the James A. Haley Veterans' Hospital. Dr. Wilson was until 2015 an Associate Professor at Northwestern University Feinberg School of Medicine Department of Physical Medicine and Rehabilitation. She earned a PsyD in clinical psychology from the Illinois School of Professional Psychology in Chicago, completed her internship at Cook County Hospital and post-doctoral fellowship in rehabilitation psychology at the Rehabilitation Institute of Chicago where she worked for close to 15 years.

She completed board certification in rehabilitation psychology in 2006 and mentored many early career women in the field of rehabilitation psychology during her membership in Section 2 of the Rehabilitation Psychology Division 22, which focuses on women's issues and promoting women in the field of rehabilitation psychology. She continued mentoring women as Vice-President of the American Association of Spinal Cord Injury Psychologists, Social Workers and Counselors (PSWC) and while Treasure of the Board of ASCIP. She was awarded in 2018 the Rebecca "Becky" J. Adcock Award for Excellence in Mentoring from ASCIP while serving in these positions. In the same year she received the Paralyzed Veterans of America Clinical Excellence Award. Earlier in her career she also received the Lifetime Practice Excellence Award from the Division 22 Rehabilitation Psychology American Psychology Association, and the Clinical Performance Award from the Academy of Spinal Cord Injury Professionals. Before she became a psychologist, she was on the Illinois Attorney General's committee to write one of the first Handicap parking laws and received the Illinois Attorney General Recognition Award for this effort. While on this committee, they wrote an insurance law that covered persons with a preexisting condition in the state of Illinois which was the first state to pass such a law. During this time, she worked as Chapter Service Director for the Northern Illinois Chapter for National Multiple Sclerosis Society. While there she won the Nation Multiple Sclerosis Award For: Employment Program, Over All Program Service Award and the Education Award.

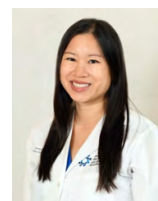
Rebecca "Becky" J. Adcock, PhD Award for Excellence in Mentoring



M. Kristi Henzel, MD, PhD

Dr. Kristi Henzel is Attending Psychiatrist and Assistant Chief for the Spinal Cord Injury & Diseases (SCI/D) Service at the Louis Stokes Cleveland Department of Veterans Affairs Medical Center. She is also an Assistant Professor of PM&R at Case Western Reserve University/MetroHealth Medical Center for whom she serves as the SCI Fellowship's VA Site Director. She has a Bachelors degree in biomedical engineering from Vanderbilt University, as well as an MD & PhD in in Physiology and Biophysics from the University of Louisville. She completed her PM&R residency at the University of Pittsburgh Medical Center followed by Spinal Cord Injury Medicine and research fellowships at MetroHealth and the Cleveland VA, after which she joined the Cleveland VA's medical staff in 2012. She is Secretary/Treasurer of the American Paraplegia Society and serves on both the APS Board of Directors and ASCIP Finance Committee. She is currently an Associate Editor for the PM&R journal *Sexuality & Disability*; and serves as a reviewer for multiple publications. She also serves as an oral board examiner and SCI question writer for the ABPM&R. Her clinical research interests include prevention of power wheelchair-related lower extremity injuries, the prevention and treatment of chronic pressure injuries, and quality management related to asymptomatic bacteriuria in veterans with SCI/D. She has written a chapter on the medical management of pressure injuries and published multiple articles regarding prevention and treatment of pressure injuries. She frequently speaks to medical trainees and the lay public on topics including medical management of SCI, including pressure injuries, autonomic dysreflexia and sexuality after SCI.

BORS Award



Dr. Beverly Hon

Dr. Beverly Hon graduated from Princeton University with a degree in Molecular Biology and certificate in Neuroscience. She received her medical degree from Robert Wood Johnson Medical School. She completed her PM&R residency and her Spinal Cord Injury fellowship at Rutgers-New Jersey Medical School (NJMS)/Kessler Institute for Rehabilitation. She was heavily involved with research and academics during her residency and fellowship and has presented at several national conferences in the rehabilitation field on spinal cord injury. She has a particular interest in medical management of individuals after acute spinal cord injury. She is first author on the chapter "Neuro-Critical Care Management of Acute Spinal Cord Injury" in *Spinal Cord Medicine* (third edition). Currently, Dr. Hon works for Hackensack Meridian

Health JFK Johnson Rehabilitation Institute, where she manages patients who suffer from a spinal cord injury in both inpatient and outpatient settings. She also serves as an Assistant Professor in the Department of Physical Medicine and Rehabilitation at Hackensack Meridian School of Medicine. Her goal is to help individuals with a spinal cord injury achieve the best quality of life and highest level of functional independence.

SECTION AWARDS

American Paraplegia Society (APS)

Estin Comarr Award for Distinguished Clinical Service



William Bockenek, MD

William L. Bockenek, MD is the Chairman of the Dept. of PM&R at Carolinas Medical Center and Chief Medical Officer of Carolinas Rehabilitation. He is certified in Physical Medicine and Rehabilitation and Spinal Cord Injury Medicine by the ABPMR, as well as Electrodiagnostic Medicine by the ABEM. He has served on numerous committees and roles within ASCIP including President of the American Paraplegia Society, and Vice-President of the ASCIP board. He is a former member and vice-chair of the American Board of Physical Medicine and Rehabilitation where he was chair of the Spinal Cord Injury Medicine committee for many years, as well as a past Chair of the Residency Review Committee for PMR within the ACGME. He is also a former Board member of the American Spinal Injury Association. He currently is the Director of the Program for Academic Leadership within the Association of Academic Psychiatrists. Amongst his many administrative duties, he continues to be an active clinician primarily seeing patients with spinal cord injuries and those with neuromuscular disease/impairment.

Excellence Award



Leslie Morse, DO

Dr. Leslie Morse, DO, is Chair and Professor, Department of Rehabilitation Medicine, University of Minnesota School of Medicine. Her research, as well as her clinical focus, is the care of individuals with SCI, with a long-term goal of developing mechanism-based therapies to prevent and treat SCI-induced osteoporosis. To that end, she is studying the impact of exoskeleton-assisted ambulation on bone health after SCI (a clinical trial supported by the Department of Defense); and the mechanisms of rapid-onset, SCI-related osteoporosis. She also studies the mechanisms contributing to neuropathic pain. Dr. Morse completed her medical training

at the University of New England and her residency in PM&R at Boston Medical Center. Author of more than 80 publications, she has received several national best-paper awards and presented her work nationally and internationally. Research interests: spinal cord injury and osteoporosis, neuropathic pain, therapies for bone health in SCI, biomarkers of neurological recovery

American Association of Spinal Cord Injury Psychologists, Social Workers & Counselors (PSWC)

Clinical Performance Award



Herb Ames PhD, ABPP, ABN

Dr. Ames received his PhD in Counseling Psychology in 1993 from Indiana State University and has been with the Department of Veterans Affairs for 25 years. He is currently on staff in the Spinal Cord Injury Care Line at the Michael E. DeBakey VA Medical Center in Houston, Texas, where he holds faculty appointments at the Baylor College of Medicine in the Department of Physical Medicine and Rehabilitation and the Department of Psychiatry and Behavioral Sciences. Dr. Ames is principal investigator of the “Improving Care Practices and Outcomes for Spinal Cord Injured Veterans” study at the Michael E. DeBakey VA Medical Center. He is board certified in Rehabilitation Psychology and Geropsychology by the American Board of Professional Psychology and certified in Neuropsychology by the American Board of Professional Neuropsychology. Dr. Ames retains interests in researching measures of psychological and cognitive functioning that efficiently identify psychological distress, cognitive deficits, and disability appraisals that impact quality of life and adaptation to disability.

Spinal Cord Injury Nurses (SCIN) Award

Expanded Role for Excellence in Nursing



Diane Reinhard, DNP, MBA, MSCIS, RN

Diane Reinhard, DNP, MBA, MSCIS, RN, CRRN, NE-BC, is Vice President of Patient Care Services and Chief Nursing Officer at Craig Hospital. She received her RN from Mercy Central School of Nursing in 1982, BSN from the University of Denver in 1985, MBA from the University of Phoenix in 2001, and M.S. in Computer Information Systems from University of Phoenix in 2001. Diane received her Doctorate in Nursing - Executive Leadership from the American Sentinel University in 2013. Diane holds professional certification in Healthcare Finance and Corporate Social Responsibility, is Board certified in Rehabilitation Nursing and

Executive Nursing. Diane has been in the field since 1982, and has been at Craig Hospital since 1990. She oversees Nursing, Food services, Pharmacy, Infection control, Quality, Wound Care, Respiratory, Diagnostic services/Lab, Community Relations and Benefit programs. She serves on the Denver Metro Leadership Foundation Board and is the community liaison with partners addressing food insecurity and homelessness.

Staff Nurse Award for Excellence



Mary Kruse, RN, BSN, MA, CWOCN, CWS

Therapy Leadership Council (TLC) Awards

Distinguished Clinical Award



Liza Criswell, OTR, ATP

Liza Criswell, OTR, ATP, graduated from University of the Philippines in 1994, earning a Bachelor of Science in Occupational Therapy. Liza has been a Registered Occupational Therapist for over 21 years. In 1998, Liza began her employment with the TIRR system in Houston, Texas. Liza currently works in the role of Senior Clinical OT with TIRR Memorial Hermann treating adults and adolescents with Spinal Cord injuries, Brain injuries, Amputees and other Neurological disorders. Liza also serves as a Clinical Instructor for Level I and Level II OT students, and mentors new OT staff / other disciplines. Liza was awarded Employee of the Year in 2010. Liza is an expert resource person for sexuality and bowel/bladder management for people with spinal cord injury. She has developed this topic of interest for many years and presented nationally on the subject of sexuality and SCI and OT's unique and critical role. Liza also served as an expert reviewer for the SCI Clinical Practice Guidelines: Sexuality and Reproductive Health in Adults with SCI.

Excellence Award



Katie Powell OTR/L

Katie Powell, OTR/L graduated with a Master's in Occupational Therapy (OT) from Saint Louis University in 2013 and is an occupational therapist and Spinal Cord Injury (SCI) Clinical Specialist at the Clement J. Zablocki VA Medical Center in Milwaukee, WI. She served as the co-chair for the

Early Career and Trainee Support Committee for the Academy of Spinal Cord Injury Professionals (ASCIP) from 2013-2016 and was a member of the Therapy Leadership Council Board from 2016-2019. While on the TLC Board, Katie established the ASCIP Innovation Lab to share knowledge between clinicians to improve practice and quality of life for people with SCI.

In her role at the Milwaukee VA, Katie has established an OT role in multiple interdisciplinary SCI programs including 3D printing, hands-on healthy education classes, and a Sexual Health team. She is a classifier for the United States Wheelchair Rugby Association. Katie has presented at national conferences and webinars regarding the development of early career practitioners, traveling with a spinal cord injury, community accessibility, sexual health, 3D printing, adaptive sports, and helping patients cope with SCI. She presents regularly at local universities on occupational therapy in SCI. She is also the co-author of a chapter on social participation for individuals with disabilities and a publication on Interdisciplinary Sexual Health Rehab Program for SCI.

KEYNOTE PRESENTATION



Dr. Oluwaferanmi Okanlami

Dr. Oluwaferanmi Okanlami is an Assistant Professor of Family Medicine, Physical Medicine & Rehabilitation, and Urology at Michigan Medicine, and the Interim Director of Services for Students with Disabilities (SSD) and Director of Adaptive Sports & Fitness within the Division of Student Life at the University of Michigan. He also serves as the Director of Adaptive Sports in the Michigan Center for Human Athletic Medicine & Performance and is the Spokesperson for Guardian Life in their Equal & Able Partnership.

“Dr. O” was born in Nigeria before immigrating to the US at a young age. He attended High School at Deerfield Academy and college at Stanford University where he also ran Track & Field, serving as captain his last two seasons and achieving Academic All American recognition.

He then earned his MD from the University of Michigan before matching into Orthopedic Surgery at Yale. At the beginning of his 3rd year he experienced a spinal cord injury, paralyzing him from the chest down. After two surgeries and intense rehabilitation, he was blessed with some return of motor function.

He went on to earn a Master's in Engineering, Science, and Technology Entrepreneurship from The University of Notre Dame, and completed his Family Medicine Residency at

Memorial Hospital in South Bend, Indiana. He served on the St. Joseph County Board of Health, appointed by former Mayor Pete Buttigieg; and is on the board of the River City Challenged Athletes, a non-profit supporting the area adaptive sports teams. He was featured on Robin Robert's Good Morning America Series “Thrivers Thursday,” and has a catch phrase, “Disabusing Disability,” hoping to demonstrate that Disability doesn't mean Inability. He is a member of the Alpha Omega Alpha Medical Honors Society, received Michigan Medicine's Distinguished Early Career Alumni Award in 2020, and was given the “A Teacher's Teacher Award” by the Academy of Medical Educators.

Nationally, he serves as the Disability Issues representative on the Steering Committee for the Group on Diversity and Inclusion at the AAMC, and the National Medical Association's Council on Medical Legislation. He speaks around the country on topics related to Diversity, Equity, and Inclusion, including, but not limited to the lack of black male physicians and creating a health system that is accessible and inclusive to both patients and providers with disabilities, and has been featured on CBS News, PBS News Hour, and MSNBC's Morning Joe. He is leading efforts to create an adaptive sports program, providing access to physical fitness and recreational and competitive sports for all.

NAMED LECTURES

The Anthony DiMarco Lectureship



Naseema B Merchant, MD, FCCP, FACP, FHM

Dr. Naseema Merchant is currently a faculty member in the section of Pulmonary Medicine and academic Hospital Medicine at the VA Connecticut Health Care System and an Assistant Professor in the Department of Medicine at Yale School of Medicine. Dr. Merchant obtained her MD degree from the Aga Khan University, completed a residency in Internal Medicine at the University of Illinois at Chicago and a fellowship in Pulmonary and Critical Care Medicine from Yale University School of Medicine. After several years of serving as a staff intensivist, pulmonologist and hospitalist at Middlesex Hospital, a community-based teaching hospital in Middletown, CT, she joined the VA Connecticut and Yale. Her areas of interest and scholarship include health care quality, safety and medical education. She is currently the site-director of internal Medicine Clerkship and program director for the Chief Residency Program in Quality Improvement and Patient Safety at the VA. She is a core faculty in the Yale Traditional Internal Medicine Residency Program and also co-directs the Distinction Pathway in QI and Physician Leadership for the Internal Medicine residents.

Donald Munro Lecture



Steven Kirshblum, MD

Dr. Steven Kirshblum is nationally recognized for his work in the area of spinal cord injury rehabilitation and research. He joined Kessler Institute in 1990 and currently serves as Senior Medical Officer as well as the Director of the Spinal Cord Injury Program. He is the Chair (and Professor) of the Department of Physical Medicine and Rehabilitation (PM&R) at Rutgers New Jersey Medical School, the Chief Medical Officer of the Kessler Foundation, and Chief Academic Officer for the Select Medical rehabilitation division. He also serves as the Co-Project Director of the Northern New Jersey Model Spinal Cord Injury System.

Dr. Kirshblum received his medical degree from the University of Health Sciences/Chicago Medical School, completed a residency in PM&R at Mt. Sinai Hospital in New York City, and was one of the first physicians in the country to receive special certification in spinal cord injury medicine in 1998.

A prolific writer and researcher, Dr. Kirshblum has written and co-authored more than 180 articles in peer-reviewed publications in spinal cord injury and education issues, is editor of the textbook, Spinal Cord Medicine, and has also written a children's book on spinal cord injury. Dr. Kirshblum previously served as the President of the American Paraplegia Society, ASCIP, and is a current board member of the American Spinal Injury Association (ASIA).

Essie Morgan Lecture

Lisa Ottomanelli, PhD



Lisa Ottomanelli is a national thought leader committed to promoting effective interventions to restore and enhance employment and community reintegration for persons with disabilities. As a psychologist and researcher in the Department of Veterans Affairs (VA) Veterans Health

Administration, she has over 25 years of experience serving Veterans with spinal cord injuries and other cognitive and mental disabilities, working with diverse interdisciplinary teams, and advocating for systems change to implement best practices in employment services.

After earning her doctorate in clinical psychology from Texas Tech University and completing her internship at the University of Oklahoma Health Science Center, Lisa started her career at the VA North Texas Health Care System in Dallas, Texas. While working as a psychologist in the SCI Center, she became acutely aware of the gap in services for vocational needs. She addressed this need by leading a program of VA research that established IPS as the most effective form of vocational rehabilitation for persons with SCI. At James A. Haley Veterans' Hospital and Clinics, in Tampa Florida, she continues to work on expanding the implementation of IPS to

improve the quality of life for Veterans and others with SCI, and she consults on projects extending services to populations with other disabilities. Ultimately, this work supported VA national policy changes that expanded employment services to Veterans with physical disabilities.

Lisa is also an Associate Professor in the Department of Rehabilitation and Mental Health Counseling at the University of South Florida, in Tampa, and serves on the Board of Psychologists, Social Workers, and Counselors of the Academy of SCI Professionals (ASCIP) and on the Vocational Rehabilitation Core Dataset Committee of the International Spinal Cord Society (ISCoS).

Lisa is an international speaker and author of articles, book chapters, toolkits, and guides on employment and disability for both consumers and professional audiences. She has won several awards for her scholarship, leadership, and research including the Clinical Excellence Award from the Paralyzed Veterans of American and the Elizabeth and Sidney Licht Award from the American Congress of Rehabilitation Medicine.

Jayanthi Lecture



Brittany Snider, DO

Dr. Snider is a Senior Associate Consultant in the Department of PM&R at Mayo Clinic. She completed her PM&R residency at Mayo Clinic in Rochester, MN and her SCI Medicine Fellowship at Kessler Institute for Rehabilitation/Rutgers New Jersey Medical School in West Orange, NJ.

Dr. Snider returned to Mayo Clinic in August 2020 as a member of the PM&R faculty. Her clinical practice focuses on spinal cord dysfunction, neurorehabilitation, and spasticity management. Her research interests include the prevention and management of secondary complications, predictors of neurological recovery, and restoration of function in persons with SCI. Dr. Snider is also interested in medical education and is an active member of the ASIA Education Committee.

TLC Distinguished Lecture



Lynn Worobey, PhD, DPT, ATP

Lynn Worobey, PhD, DPT, ATP is an Assistant Professor in the Department of Physical Medicine and Rehabilitation at the University of Pittsburgh and a Research Scientist at the VA R&D Center of Excellence. She received her doctorate in bioengineering from the University of Pittsburgh. She has extensive experience in biomechanics and is a certified Assistive Technology Professional (ATP). In order to achieve a more direct interaction with patients she went on to complete a clinical doctorate in physical therapy. Her interests include maximizing function and preventing secondary injury for individuals who utilize assistive technology in both a research and clinical setting. She has led studies involving quantitative

ultrasound, upper limb mechanics, training in functional mobility, wheelchair quality, and the ergonomics of transfers and wheelchair propulsion. She currently provides clinical care in an inpatient rehabilitation setting.

Audrey Nelson Lecture



Dr. Lana Sargent, PhD, RN, CRNP

Lana Sargent is an Assistant Professor at Virginia Commonwealth School of Nursing, Affiliate faculty at the School of Pharmacy and a Geriatric Nurse Practitioner at VCU Health System. She is an appointed member of the Virginia Alzheimer's Disease and Related Disorders Commission and serves on the Data and Information Systems workgroup. Dr. Sargent has over 15 years of clinical experience providing care for low-income minority community-dwelling older adults. As a nurse scientist, her program of research is aimed at determining the factors that will aid in early detection and prevention of physical and cognitive decline in older adults. With support from the National Institute of Health and National Institute of Aging, she has published key papers on measures for cognitive frailty and putative mechanisms of cognitive decline, and function ability in older adults.

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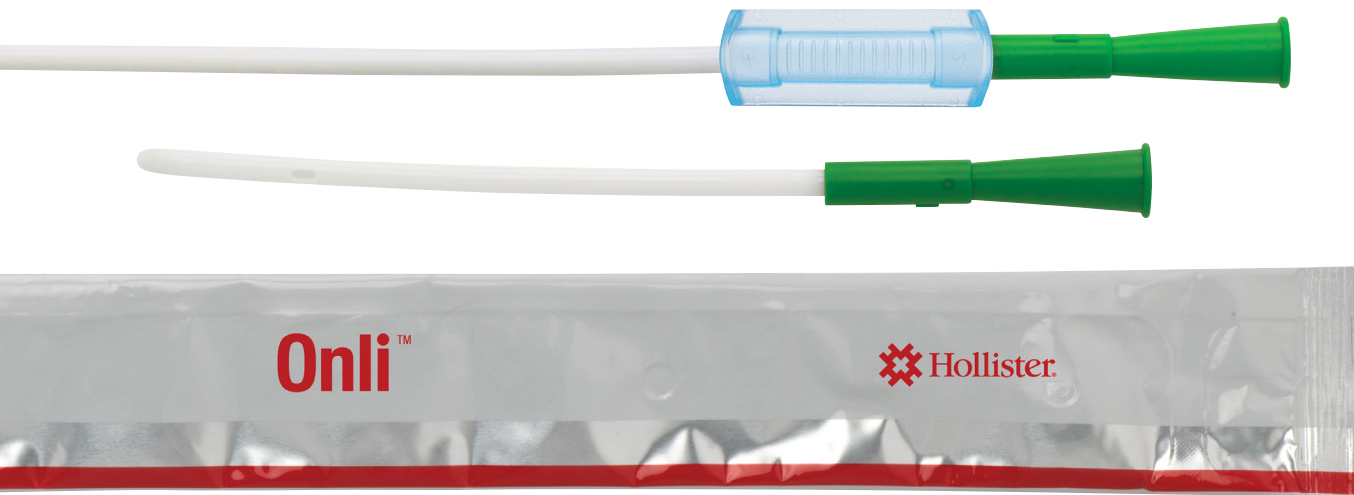
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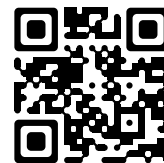
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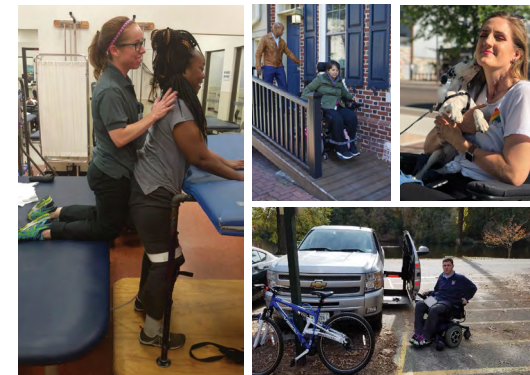


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Kessler Institute

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Piramal Critical Care, Inc

With nearly 20 years in the healthcare industry, Piramal Critical Care, (PCC) is committed to delivering critical care solutions to patients and healthcare providers

worldwide. PCC is leading the way in intrathecal medicine with offerings for pain and spasticity management while representing a culture built on collaboration, innovation, and service. www.piramalcriticalcare.com



Quantum Rehab

Quantum Rehab® is a premier global innovator of complex rehab products, including the Edge 3 Stretto®, Edge® 3, 4Front®, and Q6 Series power bases, iLevel® seat elevation, TRU-Balance® 3 Power Positioning Systems, Q-Logic 3 Advanced Drive Controls and Stealth Products® cushions and positioning components. Quantum products are engineered and manufactured to meet the widest range of complex rehab needs with functional, durable, stylized, high-performance designs to increase daily functionality and quality of life. Headquartered in Duryea, Pennsylvania, Quantum also has operations in Las Vegas, Australia, Canada, China, France, Germany, Italy, the Netherlands, New Zealand and the United Kingdom. Visit quantumrehab.com.



Renown Health

Renown Health is northern Nevada's largest, locally owned and governed, not-for-profit integrated healthcare network serving Nevada, Lake Tahoe and northeast California. With over 7,000 employees, Renown has fostered a longstanding culture of excellence,

determination, and innovation. The organization comprises a trauma center, two acute care hospitals, a children's hospital, a physical rehabilitation hospital, a medical group and urgent care network, and the region's largest, locally owned not-for-profit insurance company, Hometown Health. Renown is currently enrolling participants in the world's largest community-based genetic population health study, the Healthy Nevada Project®. For more information, visit www.renown.org.



Saol Therapeutics

Saol Therapeutics (pronounced "Sail") is a privately held, specialty biotech pharmaceutical company with operations in both Roswell, GA and Dublin, Ireland. Saol, focused on neuroscience and rare disease, is committed to providing and advancing therapeutic options for patients and the physicians treating these populations. www.saolrx.com



Shepherd Center

Shepherd Center, located in Atlanta, Georgia, is a private, not-for-profit hospital specializing in medical treatment, research, and rehabilitation for people with spinal cord injury, brain injury, multiple sclerosis, spine and chronic pain, and other neuromuscular conditions. Founded in 1975, Shepherd Center is ranked by U.S. News & World Report among the top 10 rehabilitation hospitals in the nation. In its more than four decades, Shepherd Center has grown

from a six-bed rehabilitation unit to a world-renowned, 152-bed hospital that treats more than 900 inpatients, 540-day program patients and more than 7,300 outpatients each year. www.shepherd.org



Tirr Memorial Hermann

TIRR Memorial Hermann, a leader in rehabilitation medicine, does more than provide therapy. We provide rehabilitation beyond the healthcare setting for children and adults with a disabling injury or illness, and change lives by helping people regain the skills and confidence they need to reintegrate into the community and continue living full and meaningful lives. Our highly trained rehabilitation teams are committed to seeing the potential in every person they work with, and to developing that potential to the fullest through customized goal setting and treatment planning. www.tirr.memorialhermann.org



Tyromotion GmbH

TYROTHERAPY – GET BETTER. EVERY DAY. Tyromotion GmbH is one of the world-wide leading manufacturers and distributors of robotic assisted and computer aided therapy units with the goal to sustainably improve patients' independence and quality of life. To accomplish this mission, we provide a complete solution that enables physicians and therapists to put their patients at the heart of rehabilitation and to work together on their goals. By using powerful

novel technologies such as robotics, sensor technology, virtual reality and gamification, patients are guided through the rehabilitation process more intensively and motivationally. www.tyromotion.com



United Spinal Association

United Spinal Association was founded in 1946 by a group of paralyzed WWII veterans. Rejecting the poor treatment, they received at their local VA hospital, they decided to form a support group, United Spinal Association was born. We believe that despite living with SCI/D, a full, productive, and rewarding life is within reach of anyone. With over 55,000 members we are the largest non-profit representing people with SCI/D and provide active-lifestyle information, peer support and advocacy that empower individuals to achieve their highest potential in all facets of life. www.unitedspinal.org



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