43rd Annual Interdisciplinary Spinal Cord Injury/Disease Course

June 3-5, 2020

Shirley Ryan AbilityLab
355 East Erie Street
Chicago, IL 60611

Shirley Ryan
Abilitylab

43rd Annual Interdisciplinary Spinal Cord Injury/Disease Course

The AbilityLab Academy is the not-for-profit, educational arm of the Shirley Ryan AbilityLab (formerly known as the Rehabilitation Institute of Chicago). We are dedicated to advancing the ability of healthcare professionals by sharing the latest scientific discoveries and clinical practices that accelerate outcomes for patients.

Our hospital has been ranked the "Best Rehabilitation Hospital in America" for 29 consecutive years, and our commitment to education and training has always been an integral part of that success. As our organization takes its next step in transforming rehabilitation, the AbilityLab Academy, is committed to bringing you new and innovative opportunities to learn.

Course Description

Practitioners can build better therapeutic interventions when clinical decision-making and current research is at the forefront of evidence-based care. This interdisciplinary course focuses on the resources and strategies that allow individuals with SCI/D to achieve their highest quality of life. This course integrates hands-on workshops with patient models and discipline-specific leaders facilitating skill-building opportunities. The course focuses on patient outcomes in individuals with SCI/D. Day 1 will discuss how specifics in autonomic dysreflexia,pain processing, and neuropathic pain affect individuals with a spinal cord injury . Day 2 will focus on the application of clinical assessment of patients with SCI and outcomes in adults with pediatric onset spinal cord injury. Day 3 will tap into the challenge of daily living skills and quality of life issues of living with a SCI/D. All 3 days include hands-on workshops in areas such as impairment level assessment, autonomic dysreflexia, pain, functional mobility, wheelchair skills, expiratory training, (ISNCSCI) performance and assessment, upper extremity FES, and KAFO training.

Successful completion:
Participants will complete 2.5 hours of self-study activities in advance of this three-day course. These self-study activities for the SCI/D course will consist of webinars, readings and exercises that provide a foundation for the in-person labs and workshops. In order to receive contact hours, daily sign in and completion of an on-line evaluation are required.

Who Should Attend

Physical Therapists, Physical Therapist Assistants, Occupational Therapists, Occupational Therapy Assistants, Speech Language Pathologists, Social Workers, Nurses, and Physicians (not offering CME)

Course Objectives

Upon completion of this course, participants will be able to:

- Identify current research and trends in autonomic dysreflexia with spinal cord injuries.
- Theorize how the pain phenotype can inform clinical management of individuals with SCI.
- Discuss psychosocial considerations for persons living with a spinal cord injury and their families.
- Identify factors associated with greater likelihood for employment, life satisfaction, and independent living for long-term survivors of pediatric onset spinal cord injuries.
- Demonstrate performance skills of functional mobility and mat skills, basic wheelchair skills,KAFO training, EMST and respiratory training, or FES training in persons with a spinal cord injury.

- Discuss clinical assessment and reasoning of ISNCSCI evaluation and scoring importance in diagnosis and prognosis in patients with SCI.

COURSE CHAIRMAN

Monica A. Perez, PT, PhD
Scientific Chair, Arms and Hands AbilityLab, Shirley Ryan AbilityLab
Professor, Department of Physical Medicine and Rehabilitation, Northwestern University's Feinberg School of Medicine
Research Scientist, Hines VA

Dr. Perez received a Ph.D. in physical therapy from the University of Miami School of Medicine. She attended the University of Copenhagen as a post-doctoral fellow where she studied transmission in spinal cord networks. She then completed a postdoctoral fellowship at the Human Motor Human Cortical Physiology and Stroke Neurorehabilitation Section at the National Institutes of Health, where she focused on studies of cortical physiology and plasticity. Her main research interests are in understanding how the brain and spinal cord contribute to the control of voluntary movements in healthy humans and in individuals with spinal cord injury. She uses this mechanistic knowledge to develop rehabilitation therapies following CNS damage.

COURSE FACULTY

Allen W Heinemann, PhD, ABPP, FACRM
Director, Center for Rehabilitation Outcomes Research, Shirley Ryan AbilityLab
Professor, Department of Physical Medicine and Rehabilitation, Northwestern University's Feinberg School of Medicine

He completed a doctoral degree in psychology at the University of Kansas, is a diplomate in Rehabilitation Psychology, and a fellow of the American Congress of Rehabilitation Medicine and the American Psychological Association. He is a past-president and fellow of the American Congress of Physical Medicine and Rehabilitation and the Rehabilitation Psychology division of the American Psychological Association. He serves as co-Editor-in-Chief for the *Archives of Physical Medicine and Rehabilitation*, and is on the editorial boards of *Rehabilitation Psychology*, *Journal of Head Trauma Rehabilitation*, and several other journals. He is the author of more than 300 articles and is the project director of two Advanced Rehabilitation Research Training Award from the National Institute on Disability, Independent Living, and Rehabilitation Research. He received the Distinguished Career Award from the Rehabilitation Psychology division of APA.

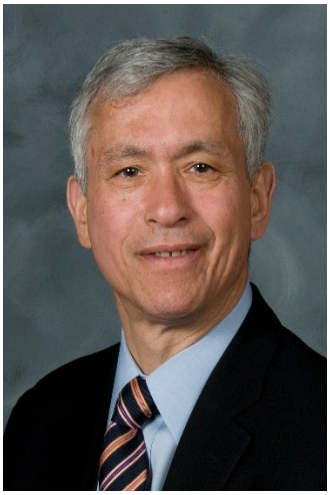
Andrei Krassioukov, MD, PhD, FRCPC
Professor, Department of Medicine, Division of Physical Medicine and Rehabilitation, University of British Columbia
Staff Physician, Spinal Cord Injury Program, Physical Medicine and Rehabilitation, Vancouver Acute (GF Strong)
Associate Director & Scientist, Rehabilitation, International Collaboration on Repair Discoveries (ICORD), UBC, Vancouver, BC, Canada

Professor Krassioukov is a clinician-scientist and an internationally recognized leading expert in the area of autonomic dysfunctions following spinal cord

injury (SCI). He obtained his MD degree in Russia, followed by PhD at the Ivan Pavlov Institute of Physiology, St Petersburg, Russia.Dr. Krassioukov holds an endowed Chair in Spinal Cord Rehabilitation Research, UBC. Globally he is involved in leading organizations with focus on SCI, including: Chair of the International Autonomic Standards Committee for the American Spinal Injury Association and International Spinal Cord Society (ASIA/ISCoS); Member of ISCOS Council; President of American Spinal Injury Association (ASIA). Dr. Krassioukov's research is supported by grants from the Canadian Institute for Health Research, Canadian Heart and Stroke Foundation, Canadian Foundation for Innovation, Rick Hansen Institute, H. Craig Neilsen Foundation, Christopher and Dana Reeve Foundation, Wings for Life and many others. He has published more than 290 peer-reviewed manuscripts, books, book chapters and reviews. He is a member of numerous advisory boards for the international agencies involved in research in the area of SCI and disability. Dr. Krassioukov's work in the area of SCI has been recognized through numerous national and international awards including the inaugural Alan Brown Award from ASIA. In recognition of his research excellence and leadership he was elected as a fellow of the Canadian Academy of Health Sciences.

Mark Stephan
Motivational Speaker and Survivor

On August 11, 2007, Mark Stephan was bicycling with his friends in the Chicago suburbs, just like he did every Saturday morning. But that morning, something went terribly wrong with Mark's bike. After riding for several miles, his front wheel unexpectedly disengaged from the bicycle. This malfunction catapulted Mark over his handlebars onto the ground, where his head hit the pavement at full force. His neck snapped.The horrific accident fractured the C2 and C3 vertebrae of his spinal cord, paralyzing him from the neck down. At age 49, Mark was lucky to be alive. The accident left him a quadriplegic, and doctors were blunt: life in a wheelchair was the best he could expect.Mark refused to accept his grim prognosis. Mark left the hospital less than five months after his accident—walking under his own power. After his emotional departure, Mark continued his progress by combining intensive therapy, work with personal trainers and clinical studies at the Rehabilitation Institute of Chicago.



Lawrence C. Vogel, MD
Chief of Pediatrics, Emeritus, Shriners Hospitals for Children – Chicago
Professor, Department of Pediatrics, Rush Medical College

Lawrence C. Vogel, M.D. was the Medical Director of the Spinal Cord Injury program at the Chicago Shriners Hospitals for Children from its inception in 1983 to 2017 and remains an active member of the medical staff there. Dr. Vogel received his B.A. degree with distinction from Northwestern University and his Medical Degree from the University of Illinois. Dr. Vogel is a Professor of Pediatrics at Rush Medical College and an Adjunct Professor of Biomedical Engineering at Marquette University. Dr. Vogel is Past President of the Chicago Pediatric Society, the American Paraplegia Society, and the American Spinal Injury Association and the former Chairman of the steering committee of the Consortium for Spinal Cord Medicine. He was the Co-Chair of the NINDS Common Data Elements committee for pediatric spinal cord injury in 2015-2016. Dr. Vogel is on the Board of Directors of the Steel Assembly, an affiliate of the American Spinal Injury Association. Dr. Vogel has authored over 175 articles in peer-reviewed journals, 26 book chapters, one textbook, nearly 400 presentations or posters and 20 instructional courses at national and international medical meetings, and co-edited one book. Dr. Vogel has been the PI or Co-I for approximately 25 funded research studies, and he is currently a principal investigator for a Craig H Nielsen Foundation grant. Dr. Vogel has received the following honors: the James J. Peters Distinguished Service Award and Lectureship in 2013: the American Spinal Injury Association Life Time Achievement Award in 2016; the American Congress of Rehabilitation Medicine, Pediatric Rehabilitation Award Lecture in 2016; the Estin Comarr Award for Distinguished Clinical Service in 2017; named a Fellow of the American Spinal Injury Association in 2018; and the Jayanthi Lecturer in 2019.

Eva Widerström-Noga, DDS, PhD
Professor of Neurological Surgery and Rehabilitation Medicine
University of Miami, Miller School of Medicine
Principal investigator of the Clinical Pain Research Laboratory of The Miami Project to Cure Paralysis

Dr. Widerström-Noga expertise is in cross-disciplinary pain research (pain physiology and pain psychology) in neurotrauma populations (spinal cord injury and traumatic brain injuries). She has performed human pain research for more than 25 years and in the field of SCI for over 22 years. She has adapted outcome measures used to classify and assess pain in other chronic pain populations to people with SCI. She has published over 65 peer reviewed journal articles and written ten book chapters on pain and pain assessment. Her present research program is interdisciplinary and involves both qualitative and quantitative pain methodologies including quantitative sensory testing and MR spectroscopic brain imaging. Dr. Widerström-Noga has been instrumental in developing, presenting, and promoting the International SCI Pain Data Sets and the NINDS CDEs for SCI and Pain.

Corrie Abegglen, PT, MSPT
Physical Therapist, Wheeling Day Rehabilitation, Shirley Ryan AbilityLab

Kathryn Abplanalp, MOT, OTR/L
Senior Therapist, Shirley Ryan AbilityLab Inpatient Spinal Cord Injury Program

Jack Avila, PT, DPT, FAAOMPT
Board-Certified Clinical Specialist in Neurologic Physical Therapy, Senior Physical Therapist, Outpatient Orthopedics, Shirley Ryan AbilityLab

Kelly Breen, MS, OTR/L
FES lab therapist, Arms & Hands Lab, Shirley Ryan AbilityLab
Research therapist, SMU Lab, Arms & Hands Lab, Shirley Ryan AbilityLab, SCI Course Committee

Laura Doyle, PT
Board-Certified Clinical Specialist in Neurologic Physical Therapy, Physical Therapy Practice Leader/Neurologic, Shirley Ryan AbilityLab, NU-SRALAB Neurological Physical Therapy Residency Co-Director

Kyle Fahey, PT, DPT
Senior Physical Therapist, Pain Management Lab Therapist, Shirley Ryan Ability Lab

Kristen Forand, M.A., CCC-SLP
Senior Speech and Language Pathologist – 22nd floor Spinal Cord Injury Innovation Center
Allied Health Training and Orientation Manager – Staff Development

Walter Guminiak, PTA, CKTP, ATRIC
Physical Therapist Assistant, Hydrotherapy and Outpatient Practice, Shirley Ryan AbilityLab

Piper Hansen, OTD, OTR/L, BCPR
Clinical Practice Leader, Shirley Ryan AbilityLab
Clinical Assistant Professor, Academic Fieldwork Coordinator, University of Illinois at Chicago,

Leslie Hefner, PT, DPT
Master Physical Therapist, Shirley Ryan AbilityLab Burr Ridge Day Rehabilitation

Vari Hesidenz, CPO
Orthotist & Prosthetist, Prosthetic and Orthotic Clinical Center, Shirley Ryan AbilityLab

Molly Henry, PT, DPT
Board-Certified Clinical Specialist in Neurologic Physical Therapy, Senior Physical Therapist, Shirley Ryan AbilityLab Spinal Cord Injury Program

Sara Hobbs, PT, DPT
Board-Certified Clinical Specialist in Neurologic Physical Therapy, Therapy Manager, Spinal Cord Innovation Center, SCI Course Committee

Jennifer H. Kahn, PT, DPT
Associate Professor, Board-Certified Clinical Specialist in Neurologic Physical Therapy, Co-Director NU-SRAlab Neurologic Residency, Department of Physical Therapy and Human Movement Sciences, Feinberg School of Medicine

Stacey Lane, PT, DPT
Board-Certified Clinical Specialist in Neurologic Physical Therapy, Senior Physical Therapist, Shirley Ryan AbilityLab Burr Ridge Outpatient Department

Viktoriya Landar, OTR/L
FES lab therapist, Arms & Hands Lab, Shirley Ryan AbilityLab

Amanda Myron Olson, PT, DPT, NCS
Physical Therapist & SCI Innovation Center Manager, Shirley Ryan AbilityLab Spinal Cord Injury Program
SCI Course Committee

Anne O'Sullivan, RRT, RCP
Senior Clinical Transition Specialist – National, Independence Plus, Inc.

Lindsey Yingling, PT, DPT, NCS
Senior Physical Therapist, Spinal Cord Innovation Center, Rehabilitation Technologies & Outcomes Lab

Colleen Zale, OTR/L, PT, DPT
Occupational Therapist, Physical Therapist, Spinal Cord Innovation Center

AGENDA

Wednesday June 3, 2020

8:00	Continental Breakfast
8:30	From low to high: Autonomic instability following spinal cord injury * Dr. Andrei Krassioukov, MD, PhD, FRCPC
9:00	Evaluation of neuropathic pain after SCI* Eva Widerstrom-Noga, DDS, PhD
9:30	Discussion* moderated by Monica A. Perez, PT, PhD
10:00	Break
10:15-12:15	Workshop #1 (Choose one): A. Physiological impairment level assessment: Spasticity, Sensory, TMS *Monica Perez, PT, PhD* B. Evaluation of autonomic dysfunctions following SCI* *Andrei Krassioukov, MD, PhD, FRCPC* C. Pain evaluation in people with SCI* *Eva Widerstrom-Noga, DDS, PhD*
12:15PM 1:30PM	LUNCH
	Workshop #2 (Choose one): A. Physiological impairment level Assessment: Spasticity, Sensory, TMS *Monica Perez, PT, PhD* B. Evaluation of autonomic dysfunctions following SCI* *Andrei Krassioukov, MD, PhD, FRCPC*

	C. Pain evaluation in people with SCI* *Eva Widerstrom-Noga, DDS, PhD*
3:30PM	End of Day 1

Thursday, June 4, 2020

7:30	Continental Breakfast
8:00	Monica A. Perez, PT, PhD The Role of Physiology in Clinical Assessments after Spinal Cord Injury*
8:30	Lawrence Vogel, MD Outcomes in adults with pediatric onset spinal cord injury*
9:00	Moderator*: Allen Heinemann, PhD
9:30	Break
9:45	Workshop #3 (Choose one): A. ISNCSCI Performance and Assessment *Laura Doyle, Piper Hansen, and Amanda Olson* B. Seating and Positioning *Corrie Abegglen & Sara Hobbs* C. Expiratory Muscle Strength Training & Respiratory Considerations* *Kristen Forand & Anne O'Sullivan*
11:45	Lunch (on your own)
12:45PM *(note staggered end time of workshops)*	Workshop #4 (Choose one): A. Functional Transfers, Bed Mobility and Mat Skills for Persons with SCI *Leslie Hefner & Stacey Lane* - 12:45-3:45PM B. KAFO Training Strategies for Persons with SCI/D *Sara Hobbs, Walter Guminiak, Vari Hesidenz* - 12:45-3:45PM (Note: PT CEU's only) C. Wheelchair Skills Training Lab *Molly Henry and Jen Kahn* - 12:45–2:45PM + pre-work
3:45PM	End of Day 2

Friday, June 5, 2020

7:30	Continental Breakfast
8:00	Measuring Outcomes in SCI (Allen Heinemann)
8:45	ADL Panel Discussion
9:30	Break

9:45	Case Study Problem Solving + Goal Setting (Small Group Session)
11:45	Lunch (on your own)
1:00 PM	Workshop #5 (Choose one): A. Wheelchair Skills Training Lab *Molly Henry & Jennifer Kahn* B. Assessment and Intervention for Management of Shoulder *Kyle Fahey & Jack Avila* C. Upper Extremity FES & High repetition task training in SCI *Kelly Breen*
3:00 PM	The Accidental Hero : Mark Stephan
3:45 PM	Wrap Up End of Day 3 & Conclusion of the Course

Pre-Work for Course

Facilitating Adjustment to Spinal Cord Injury 1.5 contact hours/0.15 ASHA CEU*

ON-DEMAND WEBINAR (Note: You do not have to be infront of a computer screen to watch this program)
Jeri Morris, PhD, ABPN, Board Certified Neuropsychologist; Shirley Ryan AbilityLab

Workshops with Required Pre-Work
A) Wheelchair Skills Training In this hand's on lab, participants will have a brief presentation introducing the importance of instructing patients with SCI/D in manual wheelchair skills, safety considerations, and demonstration and instruction of advanced wheelchair skills. Participants will have the opportunity to practice the following advanced skills both in the role of the therapist guarding, instructing, and assisting, and in the role of a patient including: breakdown and assembly of lightweight folding and rigid wheelchairs, wheelies for negotiating unleveled surfaces, ascending and descending ramps and curbs, and righting a wheelchair. *Prior to attending this workshop, participants must listen to an online module on Wheelchair Skills Training. Including the assessment, the module should take about 60 minutes and participants will receive 1 continuing education credit *Faculty: Molly Henry, PT, DPT, NCS & Jennifer Kahn, PT, DPT, NCS*

B) *Assessment and Intervention for Management of Shoulder Pain*

The workshop will be an interactive session with participants that will focus on shoulder examination and evaluation, identification of common shoulder pathology, and intervention techniques for shoulder preservation in the SCI patient.

*Prior to attending this workshop, participants must listen to an online module. The module should take about 60 minutes and participants will receive 1 continuing education credit

Faculty: Kyle Fahey, PT, DPT & Jack Avila, PT, DPT, OCS, FAAOMPT

C) *Upper Extremity Functional Electrical Stimulation (FES) and High Repetition Task Training in Spinal Cord Injury*

This lab will provide hands-on practice of current evidenced based neuromuscular electrical stimulation (NMES) interventions in upper extremity spinal cord injury with a focus on how to combine NMES and high repetition task specific training. Participants will trial several NMES devices including biofeedback stimulation, somatosensory stim, and use of a trigger button to support use of FES and high repetition training in clinical settings.

*Prior to attending this workshop, participants must listen to a recorded module on a review of electrical stimulation parameters and present research on functional electrical stimulation in persons with spinal cord injury. Including the assessment, the module should take about 60 minutes and participants will receive 1 continuing education credit.

Faculty: Kelly Breen, MS, OTR/L & Viktoriya Landar, OTR/L

Workshops without Pre-Work

D) Pain evaluation in people with SCI

Up to 80% of individuals with spinal cord injury (SCI) develop chronic pain within their first year after injury. Neuropathic pain associated with SCI is often inadequately relieved by available treatments and negatively influences quality of life by interfering with sleep, mood, physical and social activities. Pain is invisible and therefore efforts should be made to adequately recognize and evaluate this complex consequence of injury. Participants will learn about the different pain problems that can occur after an SCI and the psychosocial factors that are associated with these pains. Participants will learn about the heterogeneity of the pain experience and how to classify pain and evaluate the persistent pains after SCI. Methods will include the International SCI Pain Basic dataset (including the International SCI Pain Classification) and the Neuropathic pain Symptom Inventory.

Faculty: Eva Widerstrom-Noga, DDS, PhD

E) *Evaluation of autonomic dysfunctions following SCI 101.*

In this hands-on autonomic lab, participants will have an opportunity to review anatomy and physiology of autonomic nervous system, examine clinical cases with various autonomic dysfunctions in individuals with SCI, and to explore basics of autonomic testing in patients with SCI. Each clinical case will provide examples of complexity of autonomic dysfunctions following SCI and outline the action plan for clinicians with respect to laboratory testing and clinical management. Participants will have an opportunity to conduct bed-side assessment of cardiovascular parameters in individual with

SCI. Participants also will have an opportunity to test their knowledge and practical skills in autonomic assessments.

Faculty: Andrei Krassioukov, MD, PhD, FRCPC

F) *Physiological Impairment Level Assessment*

In this hand's on lab, participants will have an opportunity to review 3 different assessments that are important in patients with SCI/D. Each demonstration will review outcomes focusing on sensory function and dermatome assessment, spasticity assessment using a portable dynamometer, and transcranial magnetic stimulation (TMS). The session will feature both demonstration and instruction with live patient cases. Participants will have the opportunity to practice the learned skills.

Faculty: Monica Perez, PT, PhD

G) *Functional Transfers and Mat Mobility for Persons with SCI/D*

This interactive opportunity will allow participants to review and learn transfer and mat mobility handling skills in a lab setting in order to facilitate a patient's performance of functional skills and activities of daily living. The instructors will cover therapeutic interventions to implement level and unlevel transfers and bed mobility (sit to and from supine and rolling). Transfer considerations for car, tub transfer bench/shower chair, and floor transfers will also be covered during this lab. The instructors will review expected functional outcomes with various levels of complete SCI/D injuries, with a strong emphasis on patient with C6/C7 level injuries. Considerations that therapists should make while evaluating/treating persons with SCI/D will be incorporated into the lab. Live and simulated patient case examples will allow for ample practice opportunities.

Faculty: Leslie Hefner, PT, DPT & Stacey Lane PT, DPT, NCS & Corrie Abegglen, PT, MSPT

H) *KAFO Training Strategies for Persons with SCI*/D

This interactive 3-hour workshop will review how to size and fit trial KAFOs, including alignment with anatomical landmarks. Therapists will provide tips for fitting trial KAFOs to the patient with a spinal cord injury. Throughout the module, we will discuss and demonstrate different methods for ambulation with KAFOs, depending on the level of injury for SCI/D patients. The lab will include performance tasks such as how to progress from more simple activities in KAFOs to strategies that are more complex for floor transfers and donning / doffing the devices. Different techniques for instructing patients in sit to stand transitions, floor recovery, ramps, and curbs will be integrated with classroom discussion and live patient management. In addition to use of the devices, choices and indications for different knee locking mechanisms, ankle joints, and options for materials for KAFOs will be reviewed from a therapy and orthotics perspective.

Faculty: Sara Hobbs PT, DPT Walter Guminiak, PTA & Vari Hesidenz, CPO

I) International Standards for the Neurological Classification of Spinal Cord Injury (ISNCSCI) Assessment Administration

This workshop was designed to enable clinicians to perform standardized neurological examinations and classification of individuals with spinal cord injury using the ISNCSCI. This workshop session is designed for those therapists with no exposure or minimal experience with performing the ISNCSCI exam. This introductory lab will review assessment administration procedures and basic interpretation to obtain neurological classification. Client case examples will be reviewed.

Participants will have the opportunity to review the administration and scoring of the examination in a practical lab environment. There will be a brief review of performing the assessment and then other time will be spent reviewing the basics of case classifications.

Participants are encouraged to practice and review the Optional ISNCSCI module "Performance and Assessment: ISNCSCI" of which there are two that are the most beneficial to review. These will take approximately 60 min in entirety :
o Sensory Examination
o Motor Examination

Faculty: Piper Hansen, OTD, OTR/L, BCPR & Laura Doyle, PT

J). Seating and Positioning

This course will include a live demonstration of a mat evaluation for an individual with SCI, including measurement in both sitting and supine positions for improved accuracy. Participants will have the opportunity to practice measurement in an interactive lab, including case examples. The course will include discussion of seating and positioning considerations for individuals with different injury levels for optimal seating systems.

Pre-course work is optional, but may facilitate improved comprehension of topics covered for participants with less experience in this area.

Faculty: Corrie Abegglen, PT, MSPT & Sara Hobbs, PT, DPT

K). Expiratory Muscle Strength Training & Respiratory Considerations

This lab session will give an overview of respiratory complications of SCI/D, airway clearance techniques used for patients with SCI/D, and evidence based interventions for respiratory muscle strength training as they relate to the respiratory system and speech and swallowing mechanisms. The instructors will provide a basic understanding of anatomy and physiology of these systems, respiratory needs as they relate to SCI/D, and evidence based interventions using a variety of respiratory muscle strength training devices. Participants will have the opportunity to handle a variety of trach tubes and strength training devices during the interactive portion of the session.

Faculty: Kristen Forand, M.A., CCC-SLP & Anne O'Sullivan, RRT, RCP

Tuition for 19.50 CEUs

	Tuition
Early Bird Registration (Through March 30)	$ 650
Regular Registration Fee (After March 30)	$ 750

Tuition for Speech-Language Pathologists (course offered for up to 1.05 ASHA CEU)

	Tuition
Early Bird Registration (Through March 30)	$ 325
Regular Registration Fee (After March 30)	$ 400

Location

The program will be held at the Shirley Ryan AbilityLab. The conference site is wheelchair accessible. Accessible materials, sign language interpretation and personal assistance are available with at least 45-days advance notice.

Housing

Rooms have been reserved at the Hyatt Centric Chicago Magnificent Mile, 633 North St. Clair, Chicago, Illinois, 60611.

The Hyatt Centric Chicago Magnificent Mile is located 1½ blocks from the Shirley Ryan AbilityLab. Please contact their reservation agent from 9:00 am until 5:00 pm at (888) 591-1234 and ask for the Shirley Ryan AbilityLab Annual Spinal Cord Injury course (Group Code G-SCCS) or make your reservation online using this link: https://www.hyatt.com/en-US/group-booking/CHIMM/G-SCCS. The corporate rate is $229.00 for a Deluxe Guestroom (single or double occupancy) plus *17.4% tax. The daily rate for parking at the Hyatt Chicago is *$69.00/day with in and out privileges. The cut-off date for room reservations is May 5, 2020. Please note that the room block could reach its maximum before the cut-off date. Rooms and rates revert to a space-available basis after the room block has reached its maximum or after the cut-off date (whichever comes first.) *The rates for parking and taxes are subject to change without advanced notice.

Cancellation Policy

All cancellations must be in writing. Refunds less a 20% administrative charge will be given until May 27, 2020. The Academy reserves the right to cancel or change any programs for due cause. Cancellation of a program by the Academy will result in a full refund of tuition. The Academy is not responsible for the refund of travel or hotel expenses under any circumstance

Important Registration Information

Registrations will be taken in the order in which tuition checks or credit card information is received. We highly encourage you to register online as these are processed more quickly than mailed or faxed registrations. Full Tuition must accompany the registration form in order to confirm a place in this course. Until you receive your confirmation letter, you are not officially registered for the course. For online registrations, you will receive email confirmation on the day that you register. For registrations received by standard mail or fax, the

confirmation may take up to 3 weeks after we receive your registrations. If you do not receive confirmation within this period, please call 312-238-6042.

Do not make airline reservations that have cancellation penalties until we confirm your registration. However, you should make hotel reservations as soon as possible.

One week prior to the course, only internet registrations and faxed registrations that include an email will be accepted. Please note that the course could reach its maximum enrollment before this time.

CONTINUING EDUCATION CREDIT

Physical Therapy

This three-day course has been approved by the Illinois Physical Therapy Board for 19.50 contact Hours (2.5-3.5 hours pre-work & 16-17 hours live). Approval #216-000069

The Shirley Ryan AbilityLab is recognized by the New York State Education Department's State Board for Physical Therapy as an approved provider of physical therapy and physical therapist assistant continuing education. This three-day course has been approved for 19.50 Contact Hours (2.5-3.5 hours pre-work & 16-17 hours live).

Occupational Therapy

APPROVED PROVIDER of CONTINUING EDUCATION by The American Occupational Therapy Association, Inc.

The Shirley Ryan AbilityLab is an approved provider for the American Occupational Therapy Association to offer continuing education in occupational therapy. The three-day intermediate level program awards occupational therapists 1.95 CEU or 19.5 contact hours (2.5-3.5 hours for pre-work & 16-17 hours live). The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA. AOTA CLASSIFICATION CODE: CATEGORY 2: Occupational Therapy Process – Evaluation, Intervention, & Outcomes.

Speech-Language Pathology

APPROVED PROVIDER ASHA CONTINUING EDUCATION AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION

Rehabilitation Institute of Chicago dba Shirley Ryan AbilityLab is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. **See course information for number of ASHA CEUs, instructional level and content area.** ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

This course is offered for up to 1.05 ASHA CEUs (Intermediate level, Professional area).

All course content that is available for ASHA CEU is denoted with *

A full list of faculty disclosures for ASHA is available at: https://ricacademy.sharefile.com/d-sce2d1102fd841d2a

We'd like to extend a special thank you to Merz for their educational grant which supports the Academy at the Shirley Ryan AbilityLab and helps us pull together programs such as this.

Register Online at www.sralab.org or complete the form below and return with payment

43rd Annual Interdisciplinary Spinal Cord Injury/Disease Course
June 3-5, 2020

Tuition	
Early Bird Registration (Through March 30)	$ 650
Regular Registration Fee (After March 30)	$ 750

WORKSHOPS OPTIONS: Please select your workshop sessions below by Selecting 1 lab for Wed PM, 1 lab for Thursday AM, 2 labs for Thursday AM/PM and 1 lab for Friday PM.

Wednesday	Thursday	Friday
AM ☐ Physiological Impairment Level Assessment ☐ Evaluation of autonomic dysfunctions following SCI 101. ☐ Pain evaluation in people with SCI	**AM** ☐ ISNCSCI Performance and Assessment ☐ Seating and Positioning ☐ EMST & Respiratory	
PM ☐ Physiological Impairment Level Assessment ☐ Evaluation of autonomic dysfunctions following SCI 101. ☐ Pain evaluation in people with SCI	**PM** ☐ Functional Transfers and Mat Mobility for Persons with SCI/D ☐ Wheelchair Skills Training ☐ KAFO Training Strategies	**PM** ☐ Wheelchair Skills Training ☐ Assessment and Intervention for the Management of Shoulder Pain ☐ Upper Extremity FES and High Repetition Task Training

TUITION FOR SPEECH-LANGUAGE PATHOLOGISTS (COURSE OFFERED FOR UP TO 1.05 ASHA CEU)

	Tuition
Early Bird Registration (Through March 30)	$ 325
Regular Registration Fee (After March 30)	$ 400

Questions? Contact Melissa Kolski, at mkolski@sralab.org or 312-238-7731

Mail to: **Academy**
Shirley Ryan AbilityLab
355 E. Erie Street, Suite 12-West
Chicago, Illinois 60611

Please TYPE or PRINT your name and professional initials (MD, OT, PT, RN, etc.) as you would like them to appear on your continuing education certificate.

First Name _____ Last Name _____

Home Phone (_____) _____ Prof. Initials _____

Home Address _____

City _____ State _____ Zip _____

Organization/Facility _____

Work Address _____

City _____ State _____ Zip _____

Work Phone (_____) _____ Fax (_____) _____

Position _____

E-mail (required) _____

Please note: registration will not be processed without full payment.

Method of Payment: ☐ Check enclosed (**Payable to: Shirley Ryan AbilityLab**)
☐ Credit Card

Credit Card Users Must Complete the Following Information:

☐ MasterCard ☐ VISA ☐ American Express

Credit Card # _ _ _ _ - _ _ _ _ - _ _ _ _ - _ _ _ _

Expiration Date _ _ / _ _ CVV _ _ _ _ (security code on back of card)

Name on Card _____

Billing Address _____

City _____ State _____ Zip _____

Cardholder's Signature _____

Credit card registrations may be mailed or faxed to: 312-238-4451.