TRAUMATIC BRAIN INJURY: FROM COMA TO INDEPENDENCE

February 3 – March 31, 2022
On-Demand Online Course

Shirley Ryan
Abilitylab
TRAUMATIC BRAIN INJURY: FROM COMA TO INDEPENDENCE

The Academy is the not-for-profit educational arm of Shirley Ryan AbilityLab, formerly the Rehabilitation Institute of Chicago (RIC). The Academy offers a wide range of accredited online and in-person courses, webinars and hands-on programs with the common goal of improving patient outcomes.

Since 1953, the Academy at Shirley Ryan AbilityLab has helped healthcare professionals advance their skills through continuing education programs to provide enhanced physical medicine and rehabilitation care. Our hospital has been ranked the “Best Rehabilitation Hospital in America” for 31 consecutive years, and our commitment to education and training to learners across the globe has always been an integral part of that success.

The Academy at Shirley Ryan AbilityLab is committed to creating an inclusive, authentic and comfortable learning environment that celebrates and supports all learners. We are dedicated to providing the highest-quality teaching that maximizes the recovery of all individuals regardless of race, age, ethnicity, nationality, gender, sexual orientation/identity, ability, religion, language or culture. Above all, we believe that everyone should feel safe, respected and welcomed when attending our programs at the hospital or online. We encourage the sharing of experiences and perspectives so we can learn from one another, and from our varied points of view.

COURSE DESCRIPTION

This interdisciplinary online course, will follow along the path of recovery for a patient with a severe Traumatic Brain Injury (TBI). Esteemed faculty will lead participants from disorders of consciousness (DOC) (Ranchos Los Amigos I-III), and then into the challenging Rancho IV population where behavior and agitation/aggression is often seen. Physician, clinicians, and nurses will provide a foundation of understanding related to this level of recovery, as well as practical suggestions and applications when working with individuals currently at this level of recovery. Progressing through recovery periods of confusion, Post Traumatic Amnesia (PTA), and increasing awareness and independence will be explored. The concept of self-regulation, return to meaningful activity and facilitation are integral therapeutic processes that will be discussed. Finally, the idea of ethics and decision making will conclude the course.

Participants will engage in the review of evidence based practice, application of skills through tests and case-based application, and discussion with peers on the course discussion board. Content will be both informational, and applicable to daily clinical practice. This program has been designed to allow the learner to progress at their own pace. It is recommended that each session be completed within 1 week.

Successful completion
Participants will attend 1 live session (total of 1.5 hours) in addition to 13.0 hours of other asynchronous self-study activities including video lectures and discussions, readings, questions, scoring video clips, and a case study. There will also be interactions with faculty and classmates via a discussion board.

WHO SHOULD ATTEND

COURSE OBJECTIVES

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

- Define coma, the vegetative state, and the minimally conscious state
- Utilize the Agitated Behavior Scale (ABS) to rate a patient’s level of agitation and use it as a communication tool
- Describe an interdisciplinary team approach to behavior management to facilitate participation of the patient with agitated-like behaviors in a rehabilitation setting
- Develop an interdisciplinary plan of care for patients in the Rancho V, VI, VII stages of TBI recovery
- Identify common cognitive problems associated with Ranchos Level VIII to X following TBI
- Describe how the use of Goal Attainment Scaling promotes goal achievement and the development of self-regulation after brain injury
- Apply knowledge of differences in client with TBI and family caregiver perspectives, clinical biases, and ethical dilemmas when discussing real world, safety risk case studies

COURSE CHAIRMAN

Dr. Deena Hassaballa, DO
Brain Injury Medicine Attending Physician in the Brain Innovation Center
Shirley Ryan Ability Lab
Assistant Professor, Department of Physical Medicine & Rehabilitation, Northwestern University

Dr. Hassaballa obtained her medical degree in Osteopathic Medicine from the Chicago College of Osteopathic Medicine at Midwestern University in 2010. In 2011, she rotated as an Osteopathic Intern at the Advocate Illinois Masonic Medical Center. She continued her training at Loyola University Medical Center in the field of Physical Medicine and Rehabilitation from 2011-2014 where she served as chief resident for the 2013-2014 academic year. During her residency training she participated in multiple research projects and has twice received awards for Excellence in research from Loyola University Medical Center. Dr. Hassaballa completed a fellowship in Brain Injury Medicine at Medstar Georgetown University Hospital and Medstar National Rehabilitation Hospital in 2015.

Dr. Hassaballa is certified in Brain Injury Medicine, as well as Physical Medicine and Rehabilitation. She holds a faculty appointment at Northwestern University Feinberg School Medicine, where she was the recipient of the Teacher of the Year Award for the 2019-2020 academic year in the Physical Medicine and Rehabilitation program. Dr. Hassaballa participates in teaching medical students as well as running a Stroke and TBI teaching service. Additionally, she collaborates with Allied Health and Neuropsychology in the creation of the acute concussion clinic for new concussions.
FEATURED GUEST SPEAKERS

Dr. John Whyte, MD, PhD
Institute Scientist Emeritus
Moss Rehabilitation Research Institute

Dr. Whyte received his MD and PhD in experimental psychology from the University of Pennsylvania. He completed a residency in PM&R at the University of Minnesota and a Neurotrauma fellowship at Tufts New England Medical Center. He has spent his career in neurologic rehabilitation, focusing on clinical care and research related to traumatic brain injury. In 1992, he founded the Moss Rehabilitation Research Institute, where he continues as Institute Scientist Emeritus, after stepping down as Director in 2019. Dr. Whyte's research has focused on assessment, prognosis, and treatment of the cognitive sequelae of brain injury, with a particular emphasis on attention and consciousness. His research and clinical trials have been funded by the NIH, NIDILRR, PCORI, the Department of Defense, and several private foundations. In addition to his empirical research, Dr. Whyte has written extensively about the methodologic challenges inherent in rehabilitation research, and approaches to training future rehabilitation scientists. Most recently he has led the development of the Rehabilitation Treatment Specification System (RTSS), a cross-disciplinary system for defining rehabilitation treatments with respect to their known or hypothesized active ingredients. Dr. Whyte has been recognized for his scientific achievements by the Association of Academic Physiatrists, the American Congress of Rehabilitation Medicine, the Brain Injury Association of America, and the International Brain Injury Association. In 2015 he was elected to membership in the National Academy of Medicine.

Sheryl Katta-Charles, MD
Medical Director, Brain Injury Rehabilitation
Assistant Clinical Professor, Indiana University School of Medicine
Department of Physical Medicine and Rehabilitation

Sheryl Katta-Charles, MD joined IU Health Physicians and IU School of Medicine Department of PM&R Faculty in July 2015. Inspired by her family's contributions to Leprosy Rehabilitation in India, she completed residency in Physical Medicine and Rehabilitation at the Rehabilitation Institute of Michigan/Wayne State University in Detroit, MI. She received her medical doctorate degree from St. George’s University School of Medicine in Grenada, West Indies and her undergraduate degrees in Biology and Psychology from University of Illinois at Chicago where she studied learning, memory, neuroendocrine hormones and behavior in rodents. She currently cares for patients with traumatic and non-traumatic brain injuries at the Rehabilitation Hospital of Indiana. When she is not working, Dr. Charles enjoys teaching her dog tricks and travelling with her family.

Katy H. O’Brien, PhD CCC-SLP
Assistant Professor, University of Georgia
Department of Communication Sciences and Special Education

Katy O’Brien, PhD CCC-SLP, is an Assistant Professor at the University of Georgia in the department of Communication Sciences and Special Education. She has clinical experience with learners with TBI across the spectrum of recovery, from intensive care through outpatient rehabilitation and community re-entry on college campuses.
She is the Vice Chair of the Brain Injury Association of Georgia and is on the executive board of the Academy of Neurologic Communication Disorders and Sciences. Dr. O’Brien serves on a Brain Injury Association of America committee developing a concussion specialty certification program and is part of a working group developing guidelines for speech-language pathologists for the management of cognitive and communication needs following concussion. Her research addresses cognitive rehabilitation, including return to learning following traumatic brain injury and concussion in secondary and post-secondary settings, and knowledge translation for clinical management of brain injury.

Ronald T. Seel, PhD, FACRM
Director of the Center for Rehabilitation Science and Engineering (CERSE)
Virginia Commonwealth University School of Medicine

Ronald T. Seel, PhD, FACRM, is Professor and Director of the Center for Rehabilitation Science and Engineering (CERSE) in the Department of PM&R, Virginia Commonwealth University School of Medicine. CERSE’s mission is to connect researchers and accelerate rehabilitation breakthroughs that empower people to overcome barriers and thrive. Dr. Seel facilitates interdisciplinary research across VCU Schools, McGuire VAMC, Sheltering Arms Institute, Commonwealth of Virginia Agencies, industries, and national academic, private sector, and not-for-profit partners. In 2019, CERSE faculty and affiliated researchers had 77 grants and $116M in total awards. Dr. Seel chairs the ACRM Evidence and Practice Committee and leads the ACRM-CARF International-Paradigm Outcomes Initiative, a funded academic-accreditor-industry partnership to generate clinical practice guidelines. Ron earned a BA in Government at the College of William and Mary and a PhD in Counseling Psychology at VCU. He previously served as Associate Director of Research for the Defense and Veterans Brain Injury Center and Executive Director of the Southeastern Parkinson’s Disease Research Education and Clinical Center at the McGuire VAMC in Richmond, VA. Prior to re-joining VCU, he was the O. Wayne Rollins Director of Brain Injury Research at Shepherd Center in Atlanta, GA.

SHIRLEY RYAN ABILITYLAB FACULTY

Stefani Cleaver, PT, DPT
Physical Therapist, Brain Innovation Center Therapist

Kyle Faulkner, OTR/L
Occupational Therapist, Brain Innovation Center Therapist

Lindsay Hong, MS, RN, CNC
Clinical Nurse Coordinator

Amanda Murray, RN
Staff Nurse, Brain Innovation Center

Mary Kate Philbin, MS, CCC-SLP
Speech-Language Pathologist, Brain Innovation Center Therapist

Kaitlin Reilly, PT, DPT
Physical Therapist, Brain Innovation Center Therapist
Antonette Marie A. Sanchez, MSN RN CRRN CNE  
Staff Nurse, Brain Innovation Center  
Clinical Instructor, Nursing Education

**AGENDA**

Course sessions will run between February 3-March 31, 2022.  
There will be a Live presentation and discussion on Thursday, February 17\(^{th}\) – 4:00-5:30pm CST.

*Please refer to the syllabus for complete agenda, course work requirements and additional details.*

**GRADING & CONDUCT OVERVIEW**

The learning in this course is built on the ongoing exchange of ideas and information through online, live seminars and discussion board posts on the Academy Learning Portal. The required assignments will be available during the 8 weeks that the course content is available. Students will be required to complete the course satisfactorily by **Thursday, March 31, 2022**.

We seek to foster a cordial, collaborative, and supportive learning community. Diversity of opinions, conflicting perspectives, variable experiences and abilities are all respected and encouraged. In order to honor these traits, please conduct yourself with a high level of professional and academic standards within this instructional setting.

Please reflect upon Discussion Board questions with thoughtful answers and non-biased, critical statements of your colleagues’ learning. For students to receive credit for a course and receive a passing grade attendance (pre-work and 7/7 modules) is required on all components of lectures. Please refer to each module for the specific rubric. Please note, the entire module must be viewed in order to receive credit for that week.

**TUITION**

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<tr>
<th>Registration Type</th>
<th>Fee</th>
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<tr>
<td>Early Bird Registration (Through December 16, 2021)</td>
<td>$ 450</td>
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<td>Regular Registration Fee (After December 16, 2021)</td>
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*Please contact the Academy regarding Group Discounts*

**LOCATION**

The program will be held completely online. Accessible materials and personal assistance are available with at least 45-days advance notice.

**Teaching Modality/Delivery Method**

This course is taught virtually using Zoom, an online meeting platform, and the Academy Learning Portal where participants utilize discussion boards, and other online learning materials.
**Technology Requirements**

To participate, you will need access to a device with an Internet connection. Computers, laptops, iOS and Android devices are supported. High-speed broadband Internet access (LAN, Cable or DSL) is highly recommended.

Additional requirements include:
- Web browsers (Latest Version): Google Chrome, Firefox, or Safari
- JavaScript and Cookies enabled
- Speaker or headset to listen to recorded audio files
- Speaker or headset or phone to listen to webinar facilitators
- Zoom (Latest Version)

**Accessibility**

Please contact the Academy if you require special accommodations for this course. Accessible materials and personal assistance are available with at least 45-days advance notice.

**Cancellation Policy**

All cancellations must be in writing. Refunds less a 20% administrative charge will be given until **January 27, 2022**. 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.

**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.

**One week prior to the course, only internet registrations and faxed registrations that include an email will be accepted.**
CONTINUING EDUCATION CREDIT

Physical Therapy
This online course has been approved by the Illinois Physical Therapy Board for 14.5 Contact Hours (13.0 hours self-study & 1.5 hours live). Approval #216-000069

The Shirley Ryan AbilityLab is recognized by the New York State Education Department’s State Board of Physical Therapy as an approved provider of physical therapy and physical therapist assistant continuing education. This course has been approved by the New York Physical Therapy Board for 14.5 Contact Hours (13.0 hours self-study & 1.5 hours live).

The following states require continuing education units or contact hours with no state specific approval: CT, IA, and WA

Occupational Therapy

Shirley Ryan AbilityLab is an AOTA Approved Provider of professional development. Course approval ID# 1036. This blended/hybrid course is offered at 1.45 CEUs [intermediate level, Foundational knowledge/OT Service Delivery]. AOTA does not endorse specific course content, products, or clinical procedures.

Social Work
The Shirley Ryan AbilityLab is registered by the State of Illinois to sponsor continuing education programs for social workers. This program will award 14.5 CEU.

Nursing
The Shirley Ryan AbilityLab (P0609-11/30/2022) is approved as a provider of nursing continuing professional development by the American Nurses Credentialing Center’s Commission on Accreditation.

This CNE is being offered for 14.7 contact hours of continuing nursing education, including 0.83 pharmacology contact hours.

Speech Language Pathology

Rehabilitation Institute of Chicago dba Shirley Ryan AbilityLab
Intermediate Level
1.45 ASHA CEUs

https://ricacademy.sharefile.com/d-sca631d1dd9347a590c72da9440abed3
Register Online at www.sralab.org or complete the Form below and return with payment

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Questions? Contact Julie Lenkiewicz, jlenkiewic@sralab.org, 312-238-3107

Mail to:   Academy
          Shirley Ryan AbilityLab
          355 E. Erie Street, 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.