

# TRAUMATIC BRAIN INJURY: FROM COMA TO INDEPENDENCE

Fall Offering: September 21-November 30, 2023  
Winter Offering: January 18-March 28, 2024

**ON-DEMAND COURSE**



# TRAUMATIC BRAIN INJURY: FROM COMA TO INDEPENDENCE

The Academy is the educational arm of Shirley Ryan AbilityLab, a non-profit rehabilitation hospital in Chicago that has been ranked number one by *US News and World Report* since 1991. The Academy (formerly RIC) offers a wide range of accredited programs with the common goal of improving patient outcomes through clinical excellence. Our commitment to sharing the best evidence and rehabilitation practice with clinicians around the globe has always been an integral part of our mission.

The Academy is committed to creating an inclusive, authentic and comfortable learning environment that celebrates and supports all learners. We provide the highest-quality teaching 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 interprofessional 9 session course will follow the path of recovery for a patient with a severe Traumatic Brain Injury (TBI). Esteemed faculty will lead participants through the different stages, starting from disorders of consciousness (DOC) (Rancho Los Amigos I-III), and then into the challenging Rancho IV population where behavior and agitation/aggression is often seen. Physicians, clinicians, and nurses will provide a strong foundation of knowledge, as well as practical suggestions and applications. The course will explore various recovery periods, including confusion, Post Traumatic Amnesia (PTA), and increasing awareness and independence. Participants will also explore the pediatric aspect of interprofessional evaluation, intervention, and education across a range of ages. Integral therapeutic processes such as self-regulation, return to meaningful activity, and facilitation, will be addressed. Finally, the course will delve into the topic of ethics and decision-making, concluding with a discussion on how to handle these critical aspects of patient care. By the end of the course, you will have a deep understanding of the TBI recovery process, along with practical skills and knowledge to help patients at different stages of recovery.

## Location and Delivery Method

This on-demand course is taught virtually using the Academy Learning Portal. Other online learning materials may also be utilized.

## Successful Completion

Participants will complete 16 hours (17 hours for Nursing) of asynchronous self-study activities including video lectures and discussions, readings, questions, scoring video clips, and a case study. This program has been designed to allow the learner to progress at their own pace. It is recommended that each of the 9 sessions be completed within 1 week.

## Who Should Attend

Physical Therapists, Physical Therapist Assistants, Occupational Therapists, Occupational Therapy Assistants, Speech-Language Pathologists, Physicians (not for CME), Physician Assistants, Advanced Practice Nurses, Nurses, Social Workers, and Psychologists.

\*Allied Health and Nursing Students interested in the Traumatic Brain Injury population.

## Learner Outcomes

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 the 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
- Analyze the impact of a TBI on a pediatric patient
- 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 clients with TBI and family caregiver perspectives, clinical biases, and ethical dilemmas when discussing real-world safety risk case studies

## Featured Guest Speakers



### Dr. Deena Hassaballa, DO

*Clinical Assistant Professor*

*Department of Rehabilitation Medicine*

*UW Medicine*

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 held 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. While at Shirley Ryan AbilityLab, Dr. Hassaballa participated in teaching medical students as well as running a Stroke and TBI teaching service. Additionally, she collaborated with Allied Health and Neuropsychology in the creation of the acute concussion clinic for new concussions.



### **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 the 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 a 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 the 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 traveling with her family.



**Katy H. O'Brien, Ph.D. CCC-SLP**

*Assistant Professor, University of Georgia  
Department of Communication Sciences and Special Education*

Katy O'Brien, Ph.D. 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 the 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, Ph.D., FACRM**

*Director of the Center for Rehabilitation Science and Engineering (CERSE)  
Virginia Commonwealth University School of Medicine*

Ronald T. Seel, Ph.D., 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 Ph.D. 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. Before 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

Kyle Faulkner, OTR/L

Lindsay Hong, MS, RN, CNC

Jordan Huffman, OTR/L

Amanda Murray, RN

Marley Owen, PT, DPT

Mary Kate Philbin, MS, CCC-SLP

Kaitlin Reilly, PT, DPT

Antonette Marie A. Sanchez, MSN RN CRRN CNE

Rebecca Wright, MA, CCC-SLP

## **Agenda**

Course sessions will run for the Fall Offering between September 21-November 30, 2023 and for the Winter Offering between January 18-March 28, 2024. Please refer to the syllabus for complete coursework requirements, completion deadlines and additional details.

## **Cancellation Policy**

All cancellations must be requested by email at [academy@sralab.org](mailto:academy@sralab.org). Refunds less a 20% administrative charge will be given until 30 days before the start date of the course. If the cancellation notice is received less than 30 days from the start date of the course, a credit towards a future continuing education program would be applied for 1 year from the start date of the canceled course. The Academy reserves the right to cancel or change any programs for due cause. The 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 registrations. Full tuition must accompany the registration form in order to confirm your 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 same day that you register. For registrations received by standard mail, the confirmation may take up to 3 weeks to process. If you do not receive confirmation within this period, please call 312-238-6042. One week prior to the course, only internet registrations that include an email will be accepted.

## **Technology Requirements**

To participate, you will need access to a computer or device with an internet connection. If you are joining from home, high-speed broadband access (LAN, Cable or DSL) is highly recommended. Wi-fi will be available for those attending in-person.

- Internet connection: broadband wired or wireless (3G or better)
- Web browser with latest stable version downloaded: Apple Safari, Google Chrome, Mozilla Firefox and Microsoft Edge
- JavaScript and Cookies enabled
- Speaker or headset to listen to audio files and participate in Zoom calls
- Do NOT use Internet Explorer, as it is not supported.

## Accessibility

Please contact us at [academy@sralab.org](mailto:academy@sralab.org) if you require any special accommodations for this course.

## Continuing Education Credit

### Nursing:



The Shirley Ryan AbilityLab is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation. This CNE is being offered for 17.0 contact hours of continuing nursing education including 0.83 pharmacology contact hours.

In order to receive contact hours for the on-demand self-study, nurses must attend the entire course and complete the evaluation.

### Occupational Therapy



American  
Occupational Therapy  
Association

**Approved Provider**

Shirley Ryan AbilityLab is an AOTA Approved Provider of professional development. Course approval ID# 1036. This distance learning independent course is offered at 1.6 CEUs [intermediate level, Foundational knowledge/ OT Service

Delivery]. AOTA does not endorse specific course content, products, or clinical procedures.

### Physical Therapy

This online course has been approved by the Illinois Physical Therapy Board for 16.0 Contact Hours (16.0 hours self-study). 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 16.0 Contact Hours (16.0 hours self-study).

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

### Speech-Language Pathology



**ASHA CE**  
**APPROVED PROVIDER**

**Rehabilitation Institute of Chicago**  
**dba Shirley Ryan AbilityLab**

Intermediate Level

1.60 ASHA CEUs

## **Faculty Disclosures**

[Fall 2023 Course Disclosures Link](#)

[Winter 2024 Course Disclosures Link](#)



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Early Bird Registration (Through 7/13/2023)	\$ 450
Regular Registration Fee (After 7/13/2023)	\$ 500

**Questions?** Contact Julie Lenkiewicz, jlenkewic@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, SLP, 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.