Advancing Clinical Practice: Treating Persons with Neurologic Dysfunction

TIRR Memorial Hermann Education Academy presents its 2019–2020 Advancing Clinical Practice (ACP) series. This continuing-education series is aimed to benefit advanced level practice for clinicians treating people with neurologic dysfunction. As part of a series, you may sign up for any combination of classes or attend all eight classes. Physical Therapists (PTs) may consider using them as a study series for the American Physical Therapy Association’s (APTA) Neurologic Clinical Specialist (NCS) exam.

All courses are open to any healthcare professional who wishes to attend. Education credits vary per class, dependent on the topic, professional practice acts and guidance from the approved providers for Texas Physical Therapy Association (TPTA) Clinical Competency Units (CCUs), American Occupational Therapy Association (AOTA) Continuing Education Units (CEUs), American Speech and Hearing Association (ASHA) CEUs and/or Texas Nursing Associations (TNA) CEUs.

The series will cover the following topics on the listed dates and apply for education credits for the intended professionals: PTs, Physical Therapy Assistants (PTA), Occupational Therapists (OT), Occupational Therapy Assistants (OTA), Speech Language Pathologists (SLP) and Nursing professionals.

(continued)
• Pathological Gait Analysis and Orthotic Intervention for Adults with Neurologic Dysfunction
  - July 27 – 28, 2019 (PT, PTA)

• Translating the Science to Practice: Neuroplasticity and Motor Learning in Neurological Rehabilitation
  - August 3, 2019 (PT, PTA, OT, OTA, SLP, Nursing)

• Pediatric Rehabilitation for the Neurologic Therapist
  - August 17 – 18, 2019 (PT, PTA, OT, OTA)

• Advancing Clinical Practice in Brain Injury and Stroke Rehabilitation
  - September 21 – 22, 2019 (PT, PTA, OT, OTA, SLP, Nursing)

• Advanced Adult Vestibular Rehab Across the Continuum
  - October 19 – 20, 2019 (PT, PTA, OT, OTA)

• Advancing Clinical Practice in Neurodegenerative Disease Rehabilitation
  - November 16, 2019 (PT, PTA, OT, OTA, SLP, Nursing)
  - This course has an optional pre-conference on Friday, November 15, 2019. See the main education web page for further details and separate registration if interested.

• Advancing Clinical Practice in Spinal Cord Injury
  - January 11 – 12, 2020 (PT, PTA, OT, OTA, Nursing)
  - This course has an optional pre-conference on Friday, January 10, 2020. See the main education web page for further details and separate registration if interested.

• Advancing Clinical Practice Techniques for People with Limb Loss
  - February 8, 2020 (PT, PTA, OT, OTA)

(continued)
Course Leaders

Lauren Szot, PT, DPT, NCS
Lauren graduated with a Master of Physical Therapy in 2007 and a transitional Doctorate of Physical Therapy in 2009 from Louisiana State University Health Sciences Center in Shreveport, Louisiana. She is a graduate of the TIRR Memorial Hermann Neurologic Physical Therapy Residency Program in 2011 and received her board certification in Neurologic Physical Therapy in 2011. Lauren has worked in a variety of clinical settings, with focus on neurologic rehabilitation. She is currently a Clinical Assistant Professor and Assistant Director of Clinical Education at Texas Woman’s University in Houston. She also participates in clinical practice in neurologic inpatient rehabilitation at TIRR Memorial Hermann, where she has served as residency mentor and faculty member, for the TIRR Memorial Hermann Residency Program. Lauren also enjoys professional service through her involvement in the TPTA as a member of the Nominating Committee.

Jill Seale, PT, PhD, NCS
Jill has been a licensed physical therapist for over 20 years. She is a Neurologic Certified Specialist and has practiced almost exclusively in the field of brain injury and stroke rehabilitation. Jill is an Associate Professor at Endicott College and received her PhD in Physical Therapy from Texas Woman’s University in 2010. She has a variety of teaching experiences in physical therapy academia as well as in the healthcare community at large. She has provided both online and traditional onsite continuing-education courses to therapists nationwide. She has taught and presented in the areas of neurological pathology, rehabilitation, gait, orthotics and research. She is currently involved in clinical research in stroke rehabilitation, orthotic management and gait analysis/rehabilitation.
Teresa Cramer, PT, DPT

Teresa graduated with her Master of Physical Therapy in 1992 from Texas Woman’s University (TWU) and received her Doctorate of Physical Therapy from Temple University in 2010. Teresa began working at TIRR Memorial Hermann in 1993 and currently serves as the Pediatric Clinical Coordinator of Outpatient Services at TIRR Memorial Hermann Outpatient Rehabilitation. Teresa was certified as a Pediatric Clinical Specialist from 2008 to 2018. As a senior staff member, Teresa has served as a clinical instructor and peer mentor. Teresa served as a lab instructor for Texas Woman’s University DPT programs, a lecturer/lab instructor for a pediatric spasticity management series sponsored by Medtronic and for the Houston Community College (HCC) Physical Therapy Assistant program “Management of Cerebral Origin Spasticity in Children and Adults.”

Lateia Scott, MS, CCC-SLP

Lateia is the Inpatient Brain Injury Program Manager of Rehabilitation Services for TIRR Memorial Hermann. She provides leadership to occupational, physical and speech therapy. She completed her undergraduate degree from Mississippi State University in 2001 and completed her graduate studies in Communication Disorders at The University of Texas in Dallas in 2005. Prior to joining the TIRR Memorial Hermann team, she worked in various roles of Case Management and Speech Language Pathology at Shepherd Center in Atlanta, Georgia. She has experience in pediatric and adult populations in acute care, inpatient and outpatient rehabilitation and program development. She has special interest in dysphagia management, brain injury and aphasia.

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Laura Martin, PT, DPT, NCS

Laura is a graduate of Texas Woman’s University (TWU) and has been working at TIRR Memorial Hermann Outpatient Rehabilitation since 2008. Laura has completed the Herdman Vestibular Competency Course in 2011 and is one of the lead physical therapists of the vestibular program at TIRR Outpatient. She treats a wide range of neurologic diagnosis, with emphasis in vestibular and concussion rehabilitation, and she serves as a mentor to the clinical staff. Currently, she is the Neurologic Physical Therapy Residency Director. Prior to taking on this role, Laura was the primary mentor for the residency in the Outpatient location for five years as well as clinical instructor for students and mentor to new staff members.

Anna de Joya, PT, DSc, NCS

Anna is the Director of Education at TIRR Memorial Hermann. She received her Doctor of Science in Physical Therapy from the University of Alabama at Birmingham in 2012. She has been board certified by the American Physical Therapy Association (APTA) as a Neurologic Clinical Specialist since 2008. Anna has been treating patients across the care continuum since 1996. She leads the neurodegenerative disease core group for TIRR Memorial Hermann and the Memorial Hermann Rehabilitation Network to ensure evidence-based clinical practices across the rehabilitation network and development of clinical program opportunities for enhanced care delivery. Anna has a variety of experience in teaching in the clinical setting and academic setting and in the community, including state and national conferences.

Julie Jennings, PT

Julie is a physical therapist at TIRR Memorial Hermann and is presently the Program Manager for the spinal-cord injury (SCI) program. Julie has been a physical therapist for over 20 years. She received her degree from Texas Woman’s University and later received her Neurological Clinical Specialist certification from the American Physical Therapy Association in 2006. Julie has taught (continued)
on a variety of topics in the field of SCI medicine. She enjoys bridging the gap between laboratory research and clinical implementation. She has a keen interest in promoting recovery of upper-extremity function throughout the continuum of rehabilitation after SCI. Julie has received several quality-of-life grants to implement services that promote recovery of function after SCI. Julie enjoys traveling and doing anything that involves hearty laughter.

Danielle H. Melton, MD

Danielle is an Assistant Professor with the University of Texas Medical School at Houston and the Director of amputee and orthotics and prosthetics program at TIRR Memorial Hermann. She specializes in the care of people with amputations, encompassing pre-prosthetic management, prosthetic design and prescription, and rehabilitation. She also specializes in bracing and orthotics for patients with peripheral nerve injuries and spasticity due to strokes, traumatic brain injuries, spinal cord injuries and other neuromuscular disorders such as spina bifida, Parkinsonism and cerebral palsy.

Melton is an affiliated physician at TIRR Memorial Hermann and Memorial Hermann-Texas Medical Center. In the acute setting, she evaluates and treats patients both before and after amputations, coordinating care between the surgeon and rehabilitation team. Her patients are followed long term at the TIRR Memorial Hermann Outpatient Medical Clinic to provide comprehensive continuity of care.

Program Schedule

Pathological Gait Analysis and Orthotic Intervention for Adults with Neurologic Dysfunction

• Course Description: This intermediate-level course will apply the participants’ knowledge of normal gait to the analysis of pathological gait in persons with neurological injuries. Also included will be practical information in regard to biomechanics, component selection, prescription rationale, orthotic design and problem solving. Interventions targeting pathological gait will be reviewed, including orthotic intervention. This information will be
conveyed through lecture, video case presentations, clinical observation and resident case presentations.

**Date:** July 27 – 28, 2019  
**Time:** Saturday 8 a.m. – 5:30 p.m., Sunday 8 a.m. – 12 p.m.  
**Location:** Memorial Hermann Greater Heights Hospital, South Tower Conference Center

**Target Audience:** PT/PTA

**Speakers:** C. Lauren Szot, PT, DPT, NCS; Todd Klekar, PT, DPT, NCS; Lauren Norris, PT, DPT; Tom DiBello, CO, FAAOP

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**Translating the Science to Practice: Neuroplasticity and Motor Learning in Neurological Rehabilitation**

- **Course Description:** This course will provide a brief focused review of current literature of neuroplasticity and the clinical research demonstrating the occurrence of neuroplastic changes following injury. Participants will review the models of motor learning along with the supporting and contradictory evidence related to each model. Current treatment approaches will be discussed in the light of the motor control and motor learning models. Pertinent evidence related to feedback, practice, motivation, attention/focus, and other contributors to motor learning will be discussed. This course will review the necessary ingredients to drive neuroplastic changes and offer practical examples of creating rehabilitation interventions integrate these into a plan of care that is evidence based to maximize recovery. Participants will have an opportunity to apply this knowledge through written and video case studies.

**Date:** Saturday, August 03, 2019  
**Time:** 8 a.m. – 5:00 p.m.  
**Location:** Memorial Hermann Greater Heights Hospital, South Tower Conference Center

**Target Audience:** PT/PTA, OT/OTA, SLP, Nursing

**Speaker:** Jill Seale, PT, PhD, NCS
Comprehensive Pediatric Rehabilitation for the Neurologic Therapist

- **Course Description:** This comprehensive course is designed to take the neurologic therapist and expose them to pediatric diagnoses from birth to adulthood, including school and private therapy settings. It will take into special consideration the NICU, motor development, neuropsychological development and behavioral considerations. The foundational information will be expanded to include an understanding of orthotic intervention, specialized equipment, and the complex nature of pediatric goal setting.

**Date:** August 17 – 18, 2019

**Time:** Saturday 8 a.m. – 4:30 p.m., Sunday 8 a.m. – 3:15 p.m.

**Location:** Memorial Hermann Greater Heights Hospital, South Tower Conference Center

**Target Audience:** PT/PTA, OT/OTA

**Speakers:** Teresa Cramer, PT, DPT; Anne Pare, CO, LO; M. Cullen Gibbs, Ph.D.; Denise Cortes, PT, DPT, MBA, PCS; Dawn McDonald, OTR, CLT; Claire Lewis, OTR; Carly Thom, OTR, MA

Advancing Clinical Practice in Brain Injury and Stroke Rehabilitation

- **Course Description:** The prevalence of brain injuries and strokes continues to increase each year. There often are long-lasting sequelae from these injuries, including physical, cognitive, language, and behavioral deficits. The focus of this course is to provide clinicians with an overview of special topics, including neuro-pharmacology, spasticity assessment and treatment, disorders of consciousness, behavior management, perceptual deficits, cognitive impairments, medical complications after brain injury / stroke and more. This course will focus on a comprehensive treatment approach for brain injury and stroke rehabilitation. Clinicians will be more effective and efficient practitioners by integrating principles covered in this course. The material will be presented via an interactive didactic course format. Discussion and active participation in case presentations/scenarios related to clinical practice will engage the audience.

**Date:** September 21 – 22, 2019

**Time:** Saturday 8 a.m. – 6 p.m., Sunday 8 a.m. – 5 p.m.

**Location:** Memorial Hermann Greater Heights Hospital, South Tower Conference Center

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Target Audience: PT/PTA, OT/OTA, SLP and Nursing

Course Planners: Patricia Tully, OTR; Julie Welch, PT, MS, NCS; Christine Adair, OT, MOT; Corina Ponter, PT, MPT, NCS, CBIS; Michelle Weber Dehgan, MA, CCC-SLP, BCS-S; Katherine A. O’Brien, PhD; Lateia Scott, MS, CCC-SLP

Advanced Adult Vestibular Rehab across the Continuum of Care

• Course Description: Patients with vestibular dysfunction can be seen in multiple settings across the continuum. This evidenced-based course uses the latest advancements in knowledge and research to integrate a clinician’s ability to appropriately diagnose and treat a client with vestibular dysfunction. The topics discussed will include anatomy and physiology of the vestibular system which involve peripheral and central lesions, and assessment and treatment of BPPV. The participant will learn principles that help distinguish between peripheral and central disorders using differential diagnosis strategies through clinical examination and outcome measures. These principles will include analysis of vestibular function tests, including computerized dynamic posturography, caloric testing and rotary chair testing. Individual treatment interventions will be addressed to treat a client with vestibular dysfunction effectively. This course is designed for the clinician who has some experience in treating clients with vestibular deficits in order to more critically analyze and problem solve an in-depth and thorough plan of care.

Date: October 19 – 20, 2019

Time: Saturday 8 a.m. - 5 p.m., Sunday 8 a.m. - 12:30 p.m.

Location: Memorial Hermann Greater Heights, South Tower Conference Center

Target Audience: PT/PTA, OT/OTA

Speakers: Laura Martin, PT, DPT, NCS; Michael Furtado, PT, DPT, NCS

Advancing Clinical Practice in Neurodegenerative Disease Rehabilitation

• Course Description: The focus of this course is to present evidence from which therapists can develop a clinical framework to effectively manage patients with neurodegenerative disease, including Parkinson’s disease, Multiple Sclerosis, Huntington’s disease, Amyotrophic Lateral Sclerosis, Post-Polio Syndrome and Guillain-Barre Syndrome, among others. Topics will include the role of the therapist, pathophysiology of different neurodegenerative diseases, application of the principles of neuroplasticity

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and motor learning and clinical decision making as they apply to best physical therapy practice. In addition, treatment approaches related to impairments, activity limitations and participation restrictions will be addressed. The course format will include lecture-based presentation and active dialogue through the use of case studies and group discussions.

**Date:** Saturday, November 16, 2019  
**Time:** 8 a.m. – 5:30 p.m.  
**Location:** Memorial Hermann Greater Heights Hospital, South Tower Conference Center  
**Target Audience:** PT/PTA, OT/OTA, SLP and Nursing  
**Course Planner:** Anna de Joya, PT, DSc, NCS

*This course has an optional pre-conference on Friday, November 15, 2019. See the main education web page for further details and separate registration.*

**Advancing Clinical Practice in Spinal Cord Injury**

- **Course Description:** The focus of this course is to present best practices and practical insights from which clinicians can develop a clinical framework to effectively manage persons with SCI or disease (SCI/D). Spinal-cord medicine is a subspecialty for clinicians who practice in neurological and rehabilitation settings. We recognize that this subspecialty optimally requires intentional training and education provided by clinicians who have dedicated themselves to the care of persons with SCI/D. Our goal is to provide you with a core foundation from which to practice and also present education regarding emerging research and advanced technologies. This course format will include lecture-based presentations, video case presentations, hands-on lab sessions, and interactive dialogue. This course will offer several lecture and lab topics so that you may choose the subject content that is most applicable to your needs.

**Date:** January 11 – 12, 2020  
**Time:** Saturday and Sunday 8 a.m. – 5 p.m.; times subject to change  
**Location:** Memorial Hermann Greater Heights Hospital, South Tower Conference Center
Target Audience: PT/PTA, OT/OTA and Nursing

Course Planner: Julie Jennings, PT; Ann Gutierrez, RN

*This course has an optional pre-conference on Friday, January 10, 2020. See the main education web page for further details and separate registration.

Advancing Clinical Practice Techniques for People with Limb Loss

• **Course Description:** This day-long seminar will educate participants on medical concerns, therapy treatment approaches, team planning, prosthetic information, and collaboration across the rehabilitation team for those experiencing upper or lower limb loss. This will include medical and rehabilitation considerations for pre-amputation, acute post-surgical, pre-prosthetic and prosthetics.

**Date:** February 8, 2019

**Time:** 8 a.m. – 5:30 p.m.

**Location:** TIRR Memorial Hermann Research Conference Center, second floor

Target Audience: PT/PTA, OT/OTA

Course Planners: Kristin Reeves, PT; and Danielle H. Melton, MD

**Education**

Education credits will be applied for each course through the following programs as applicable and noted on the individual course pages’ education tabs.

**Occupational Therapy (OT)**

Memorial Hermann Healthcare System is an AOTA Approved Provider of continuing-education provider #8105. The assignment of AOTA CEU’s does not imply endorsement of specific course content, products or clinical procedures from AOTA.
Physical Therapy (PT)

Memorial Hermann Health System is an Accredited CCU Provider for the Texas Board of Physical Therapy Examiners. The assignment of Texas PT CCU’s does not imply endorsement of specific course content, products, or clinical procedures by TPTA.

Speech Language Pathology (SLP)

Memorial Hermann Health System is an ASHA Approved Provider of continuing education-provider ID ABAF. The assignment of ASHA CEUs does not imply endorsement of specific course content, products or clinical procedures from ASHA.

Nursing

Memorial Hermann Health System is an approved provider of continuing education by the Texas Nurses Association - Approver, an accredited approver with distinction by the American Nurses Credentialing Center’s Commission on Accreditation.
## Registration

<table>
<thead>
<tr>
<th>Course</th>
<th>MHHS Attendee</th>
<th>Non-MHHS Employee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any one-day course</td>
<td>$75</td>
<td>$175</td>
</tr>
<tr>
<td>Any two-day course</td>
<td>$150</td>
<td>$325</td>
</tr>
<tr>
<td>Register for any three or more courses at the same time discount</td>
<td>Receive a $75 discount</td>
<td>Receive a $75 discount</td>
</tr>
<tr>
<td>Register for all eight courses at the same time (*other discounts no longer apply)</td>
<td>Receive a $150 discount for registering for all 8 classes. Total price when registering for all 8 classes, with discount applied, is $825.</td>
<td>Receive a $250 discount when registering for all 8 classes. Total price when registering for all 8 classes, with discount applied, is $1,900.</td>
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**Discounts applied when you register for three courses or more or when you register for all eight courses. Discounts automatically applied as courses are selected on registration.**

**Cancellation Fee:** Refunds, minus 25% of registration fee, will be granted if cancelation notice is received in writing according to the stated cancelation policy below.

**Cancellation Policy:** If you register and do not attend or do not fulfill the requirements of the class, your course and all other associated fees will not be refunded. All cancelations must be sent in writing 14 days prior to the course start date to ContinuingEducationRegistration@memorialhermann.org. Refunds will not be granted past this date.

TIRR Memorial Hermann reserves the right to cancel or change any programs for due cause. Cancelation of the event by TIRR Memorial Hermann will result in a full registration refund of monies received. TIRR Memorial Hermann is not responsible for the refund of other expenses, such as travel or hotel expenses, under any circumstances. In the event of a course cancelation, participants will be notified via email and contact phone number from the registration form. (continued)
Please fill out all information in the registration form.

Cancelation by the sponsor/instructor will result in a full refund of the tuition. The sponsor/instructor is not responsible for additional expenses incurred by registrants.

**Complaints:** Complaints of faculty and participants are handled with dignity and respect by the course coordinator and/or Director of Rehabilitation with resolution of the complaint communicated to all involved parties.

**Assistance:** All participants in Memorial Hermann continuing-education courses are entitled to an accessible, accommodating and supportive teaching and learning environment. Please email and note on registration any specific needs we can work to assist you with.

**Questions:** ContinuingEducationRegistration@memorialhermann.org or (713) 797-7432