

Memorial Hermann Health System Disclosure to Participants

Approval Statement:

Memorial Hermann Health System is accredited with distinction as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.

Title of education activity:

**Translating the Science to Practice: Neuroplasticity and Motor Learning in Neurological Rehabilitation
July 29, 2023 – TIRR Memorial Hermann, Houston, Texas**

Requirements for Successful Completion:

Learning outcome:

The Registered Nurse will be able to discuss the strategies and interventions that contribute to motor learning and integrate them into an evidence-based nursing plan of care in order to maximize the patient's recovery as evidenced by the registered nurse stating intent to change practice as reflected on the post-activity evaluation tool.

Objectives:

- Review and analyze the concepts of neuroplasticity and its relationship to motor learning and recovery of function.
- Identify and understand historical and current motor learning theories/models.
- Examine supporting and contradictory evidence for each model.
- Apply motor learning models to clinical examples in current treatment approaches.
- Compare/contrast the motor learning approach to other past and current treatment approaches.
- Critically appraise current motor learning research.
- Identify the active ingredients necessary to drive neuroplasticity.
- Compare and contrast current standard of care with optimal rehabilitation as defined by literature.
- Integrate motor learning concepts into treatment planning with actual patient cases.
- Evaluate and revise treatment plans of care based on motor learning principles.
- Formulate treatment activities and plans of care that incorporate the concepts identified as critical for neuroplasticity.

To receive contact hours for this nursing continuing professional development activity, the participant must:

- Attend the entire course
- Complete the Evaluation

Number of Contact Hours:

Once successful completion has been verified, a "Certificate of Successful Completion" will be awarded for 7.5 contact hours.

Relevant Financial Relationships (Conflicts of Interest):

The activity's Nurse Planner has determined that no one who has the ability to control the content of this nursing continuing professional development activity – planning committee members and presenters/authors/content reviewers – has a relevant financial relationship(s).