

Background

Stroke patients manifest sequelae in a variety of ways depending on the location and severity of the stroke. Strokes located in the left hemisphere can manifest with Apraxia Aphasia- difficulty understanding words, finding words to express thought, understanding grammatical sentences and reading or writing words or sentences (ASA, 2014). Strokes located on the right hemisphere can manifest with disorders of neglect and visual spatial problems. R CVA show increased impairments in pacing their overall rate of tasks performance, transporting tasks objects and coordinating their use of two body parts to effectively stabilize tasks objects (Bernspang, & Fisher 1995).

Study Aims

Nurses and PCA's on our unit are encouraged to identify different patient behaviors based on areas of brains in morning huddles and during report in order to provide safer care. Rehab nursing interventions targeting L vs R hemispheric stroke enable nurses to customize interventions on 3 Karpas.

Methods

This was a quality improvement study. The participants included 19 full time Registered Nurses and 11 patient care associates on 3 Karpas, a 26 bed acute rehabilitation unit at Beth Israel Medical Center. An educational intervention was utilized.

Brain Attack! How Rehab Nurses Prioritize Interventions to Support Safety Chelsea Karpeh, BSN and and Kisha Okuesi, BSN, BC Mount Sinai Beth Israel, New York, NY

Right CVA Interventions		Left CVA Interventions	
 Left paresis/ paralysis/ homonymous hemianopsia Visual, spatial, perceptual deficits (gets lost, cannot dress self, midjudges distance, spills) 	 Approach left side & place objects in view past midline to improve vision/ compensate neglect Orient room so people enter on left side Eliminate clutter to prevent falls. Personal items within reach. Use repetition/ one-step commands PT and OT 	 Right paresis/ paralysis/ homonymous hemianopsia Difficulty gesturing/ reading/ writing Language deficits: Broca's/Wernicke's dysphagia 	 Incorporate techniques by the <u>speech therapist</u> Involve affected side in therapy/ADLs Use simple words/ sentences. Provide verbal prompts/ communication tools for self expression Listen attentively to convey importance of thoughts/ promote a positive
Thought Process			environment for learning
 Unrealistic thoughts/ poor judgment/ Memory deficits. May have agnosia Difficulty finding locations/concrete thinking 	 Safety due to patient impulsivity. Call bell placed within reach & constant reminders to call for help Establish daily routine (collaborate therapist) Mark rooms to easily find with cuing/ frequent reorienting 	 Thought Process Difficulty listening, comprehending, learning/Short retention span Unable to process languages or think analytically 	 Prand OT Be patient/ Speak slowly/ Same staff work when possible Work with patient in short time frames to reduce frustration Offer encouragement
Emotions		Emotions	
 Cheerful/euphoric Anosognosia: Lack of awareness neurological deficit & ramifications of impairment (paralysis) Lack of awareness of nonverbal communication; display flat affect 	 HIGH fall risk: Do not leave alone in bathroom/shower. Cue to deficits Apply splints for stability of proximal joints to prevent contractures. Elevate neglected limb & monitor to prevent shoulder subluxation & decrease swelling. Include family to support patients efforts & assist with care. Educate on expectation & deficits 	 Easily frustrated or depressed Patient is aware of deficits 	 Be patient. Offer encouragement/ acceptance. Positive reinforcement to build self- esteem Encourage practicing exercise independently to promote sense of control Monitor patient's statements of self-worth and acceptance of new imagine. Encourage to identify strengths/setting realistic goals.
Attention		Attention	
 Short; highly distractible Robovior 	 Determine readiness to engage in therapy. Work one to one in quite setting. Minimize distractions. Keep sessions/ treatments short 	Usually normal	 Educate family on realistic communication expectations Limit sessions, care, or treatments based on
 Socially 	Do not leave unattended	Debouier	individual needs
 inappropriate: Risk taking. Quick egocentric impulsive 	 (observation room). Use restraint (self release belt) to prevent injury Redirect patients 	 Slow, hesitant, cautious 	Allow plenty of time/ Requires encouragement/ Do not appear rushed
	attention when behaving inappropriately		





sults

's and PCA's who have studied the in and complications of a CVA togethprovide better care related to the myricomplications a patient can experience er a CVA by reinforcing compensatory iniques that limit functional perfornce. (Bernspang, & Fisher 1995).

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