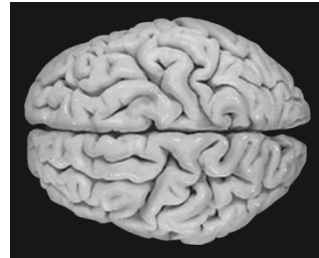


Management of Hemi-Neglect

Phoebe Belsky, MS, CCC-SLP
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March 31, 2011

Two Hemispheres

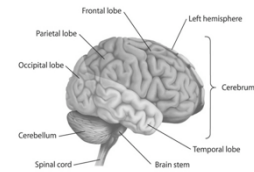


What is hemi-neglect?

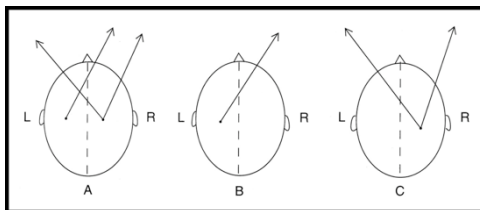
- Hemi-neglect is a neurological condition in which, after injury to one hemisphere of the brain, a deficit in awareness and attention to the contra-lateral space is observed.

Areas Related to Hemi-neglect

- Temporal-parietal junction
- Posterior parietal cortex
- Right > Left



Attentional differences in the hemispheres of the brain.



Swan L. PHYS THER 2001;81:1572-1580

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Physical Therapy

Types of Neglect

- Sensory – unaware of sensory stimuli presented in neglected side
- Motor – failure to generate a movement in response to stimuli
- Representational – inattention to internally generated dreams, memories, and hallucinations

Further Classifications

- Personal – lack of exploration or awareness of the side of the body opposite the injury
- Spatial – failure to acknowledge stimuli in the space opposite injury
 - Peri-personal – within arm's reach
 - Extra-personal – occurring beyond one's reach

Goals of Care

- To improve awareness of neglect
- To increase patient's ability to attend to neglected side
- To improve pt's ability to draw conclusions re: the effects of hemi-neglect
- To increase pt's integration of the neglected side
- Restore function

Strategies and Interventions

- Minimize stimulation to non-neglect side
- Maximize stimulation to neglect side
- Environment
 - provider/pt interactions
 - bed/door relationship
 - meal set up and cueing
 - call light position*
- Verbal reminders

Strategies continued...

- Scanning
- Self-talk
- Use working body parts to explore environment
- Computer games

Thank You!

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