

Rehabilitation Institute of Montana at Community Medical Center Presents

Seventeenth Annual Northern Rockies Rehabilitation Symposium

“The Neuroscience Explosion: Applying the Practical Aspects of Current Research in Neurodevelopment and Neuropathology”

Date: April 26th 5:00pm-8:00pm; April 27th 7:30am-5:00pm

Conference at a Glance:

This course provides an overview of the recent explosion in understanding of the neuropathologies of processing, language, and cognition achieved with the advances in genetics, neuroimagery and functional imagery of the brain during sensorimotor and cognitive tasks. Dr. Burns will stress a multidisciplinary approach to neurological deficits including sensorimotor, visual, and cognitive deficits, as well as language disorders, making this course highly applicable to physical, occupational and speech therapists. The emphasis will be on the practical aspects of this information for our work in rehabilitation of patients with neurodevelopmental deficits and other neuropathologies.

Discussion will focus on network theory and the neurological mechanisms involved in auditory, visual and somesthetic perception, association, processing and memory. We will take a clinical perspective by giving an overview of a particular neuropathway, possible deficits to that pathway, and summarize with discussion and videoclips of symptoms, disorders and treatment approaches. Participants will gain insight into exciting evidence of human neuroplasticity throughout the lifespan and share in the optimism for the future of neurorehabilitation.

The Target audience for this Symposium is physical therapists, occupational therapists, and assistants, speech- language pathologists, professional counselors, psychologists, case managers, social workers, special educators, nurses, nursing assistants and students of all disciplines.

Featured Speaker: Martha S. Burns, PhD is a Fellow of the American Speech-Language-Hearing Association who has been a practicing speech language pathologist in the Chicago area for 40 years. She serves on the faculty of Northwestern University, Department of Communication Sciences and Disorders and on the medical staff of Evanston – Northwestern Hospital. Dr. Burns has received honors from Northwestern University, Evanston Hospital Corporation, the American Speech Language Hearing Foundation and St. Xavier University. Dooby’s Rating Service selected her book on *Right hemisphere Dysfunction* published through Aspen Press as one of the best health science books of 1997. In addition to that book, Dr. Burns is the author of a book on aphasia and the test *Burns Brief Inventory of Communication and Cognition* published by The Psychological Corporation. She has also published numerous articles on language development, language disorders, auditory processing disorders, and adult neurological disorders in professional journals. Dr. Burns is currently serving as Director of the Clinical Specialist Market at Scientific Learning Corporation.

Conference Fees:

- \$150 for full course
- \$50 for Monday evening
- \$100 for Tuesday
- CMC employees \$75 full conference/ \$30 Monday evening, \$45 Tuesday
- Students \$45 full conference

*Possible scholarships available for rural PT, OT, ST & nursing. Please contact Pamela Olsen @ 406-327- 4038 or by email polсен@communitymed.org

Questions:

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