Neuroanatomy
A Clinician's Review

Course Fee: (includes meals and course materials)
Early Registration by December 17, 2012: $195
After December 17: $245
Registration and payment MUST be received by noon on January 11, 2013. A refund of the registration fee, less a $25 administration fee, will be made if cancellation is received by January 4, 2013. No refunds will be issued after that date or for non-attendance. St. Luke’s is working with CHER to provide different registration options to meet your needs.

Online Registration
Visit www.cherspokane.org. Click on “Class Dates & Registration”. Follow prompts to create an account or log on if you already have an account. Be sure to login before you begin the registration process.

Phone Registration
(509) 232-8138

Mailed Registration
Send registration form below, along with a check or credit card information made payable to INHS/St. Luke’s to:

INHS/St. Luke’s
Attention: Neuroanatomy Conference
P.O. Box 469
Spokane, WA 992210-0469

PLEASE PRINT CLEARLY
First Name: ___________________________________________
Last Name: ___________________________________________
Title: _______________________________________________
Specialty: ___________________________________________
Mailing Address: _____________________________________
City: _______________________________________________
State: __________ Zip: _______________________________
Email: ____________________ Phone: ___________________

PAYMENT:
☐ Check Enclosed. Payable in US funds to: INHS/St. Luke’s
☐ VISA ☐ MasterCard
Card Number: _______________________________________
Expiration Date: ____________________________
Signature: ________________________________________
Course Description
This course will provide an in-depth review of neuroanatomy of the central nervous system for medical professionals. Neuropathology and clinical correlation are also incorporated for application in the clinical setting. The intended audience is allied health professionals who have previous exposure to pertinent coursework in neuroanatomy. The structure of the course provides an opportunity for review of functional neuroanatomy in both children and adults and translation of that knowledge to clinical treatment.

Who Should Attend
• Physical Therapists/Physical Therapist Assistants
• Occupational Therapists/Certified Occupational Therapist Assistants
• Speech Language Pathologists
• Nurses
• Psychologists

Course Location
St. Luke’s Rehabilitation Institute
711 S. Cowley
Spokane, WA
(Parking is free; a map will be enclosed with your registration confirmation letter)

Course Objectives:
After this conference, participants will be able to:
• Demonstrate renewed familiarity with the organization and development of the nervous system
• Understand general topography of the brain, spinal cord and the nervous system as a whole
• Describe the organization of the nervous system
• Identify the relationship between structure and function of the nervous system in development
• Integrate the concepts of neuroanatomy and neuropathology into pediatric clinical practice
• Recognize basic neurophysiology and reflex physiology and relate such knowledge to treatments
• Compare and contrast a neurologist and a physical therapist performing neurologic examinations for clinical applicability

About the Instructor
Bernadette Gillick, PhD, MS, PT received her BS in Physical Therapy from Marquette University in 1993, her advanced masters in Neurologic PT from Chicago Medical School in 1998 and completed her PhD in Rehabilitation Science with a minor in Neuroscience at the University of Minnesota in 2011. Her thesis work in pediatric neuroplasticity incorporated transcranial magnetic stimulation and constraint-induced therapy in children and was funded by an NIH Challenge Grant. Dr. Gillick combines her clinical and academic work in pediatrics and neuroscience and has been a University Instructor in Neuroanatomy, Anatomy, Physiology, Electrotherapeutics, Human Growth and Development and Pediatrics. Her research lab investigates the use of non-invasive brain stimulation and behavioral interventions in children with stroke. She has been invited to speak internationally on topics surrounding neuroplasticity, neurorecovery and neuroanatomy. Dr. Gillick’s funding support includes the National Institute of Health, the Minnesota Medical Foundation, the Foundation for Physical Therapy and the American Academy of Cerebral Palsy and Developmental Medicine.

Program
January 18TH, 2013 - DAY 1
3:30 p.m. Registration and Introductions
4 p.m. Overview of Gross Anatomy
Overview of Terminology
Review of Organization of the Cortex Lobe Functions
6 p.m. Dinner
6:45 p.m. Reticular Formation
Brainstem, Basal Ganglia and Cerebellum
Meninges, CSF and Ventricular System
Right vs. Left Hemispheric Differences
8 p.m. Adjourn

January 19th, 2013 - DAY 2
7:30 a.m. Breakfast
8 a.m. Clinical Correlates
Review of Organization of Cortex
Movement Disorders Video
Meninges, CSF and Ventricular System
Review of Blood Supply
10 a.m. Break
10:15 a.m. Cranial Nerves
Cranial Nerve exam and clinical application
12 p.m. Lunch
1 p.m. Spinal Cord Anatomy
Tracts and Pathways
Clinically Related Terminology
2:30 p.m. Break
2:45 p.m. Neiologist Review of Neurologic Examination
3:45 p.m. Therapist Review of Neurologic Examination (active participation)
4:45 p.m. Wrap-Up/Evaluation
5 p.m. Adjourn