



University
of
Pittsburgh

School
of
Medicine

Neuroanatomy Applied—Stroke by Stroke Mini-Elective Spring 2017

<u>Course Dates:</u>	Session 1: April 3, 10, 17, 24 Mondays, 1:00-4:00 PM Session 2: April 6, 13, 20, 27 Thursdays, 1:00-4:00 PM Session 3: April 7, 14, 21, 28 Fridays, 1:00-4:00 PM
<u>Maximum Students:</u>	2 Students Per Group (cannot mix days/dates)
<u>Class Year:</u>	MS1
<u>Course Director:</u>	Laurie Knepper, MD knepperle@upmc.edu—412-647-9494 Cynthia Kenmuir, MD kenmuircl@upmc.edu—412-648-8914 Marion Hughes, MD hughesma@upmc.edu
<u>Contact Information:</u>	Sara Carter carters10@upmc.edu 412-648-8914—336C Scaife Hall
<u>Registration:</u>	Betsy Nero, Office of Medical Education betsy@medschool.pitt.edu

Description:

Stroke is a leading cause of morbidity and mortality in the US. It is the most frequent reason patients are admitted to the inpatient Neurology service. The quick assessment and management of patients presenting with stroke is essential for optimal outcome. Evaluation of stroke patients begins with a quick decision as to which part of the brain is involved and which artery has caused this stroke. This helps to determine the possible cause of the stroke. Stroke Neurology is a direct and emergent application of neuroanatomy knowledge to guide the immediate evaluation and treatment of patients presenting with stroke. This mini elective will introduce how brain neuroanatomy is applied to the diagnosis and acute management of patients with stroke.

Course Objectives:

1. Students will learn how to localize strokes based on presenting symptoms and exam
2. Students will be able to identify the stroke on imaging, name the location and arterial territory
3. Students will understand causes of stroke and acute and chronic management of stroke patients

Requirements:

Attendance at all four sessions.

Office
of
Medical
Education

www.omed.pitt.edu

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Pre-Requisites:

None

COURSE OUTLINE

Neuroanatomy Applied—Stroke by Stroke

Course Directors:

Laurie Knepper, MD
Cynthia Kenmuir, MD
Mario Hughes, MD

Participating Faculty:

Laurie Knepper, MD—Neurology
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Cynthia Kenmuir, MD—Stroke Attending
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Marion Hughes, MD—Neuroradiology
hughesma@upmc.edu

Location:

**UPMC Stroke Institute—PUH 4th Floor
Neuroradiology Reading Room—1st floor PUH—behind Pharmacy**

Texts:

Grays Clinical Neuroanatomy*, Mancall, Elliot, editor, Chapter 6 – Vascular Supply of the Brain and Spinal Cord

*Available online at HSLs

Session 1–

Dr. Kenmuir will review cerebrovascular anatomy and clinical presentations of common stroke syndromes. She will review of how to diagnose and manage stroke patients. Dr. Kenmuir will present illustrative cases with neuroimaging.

Session 2 –

Dr. Marion Hughes will arrange 3 hours in the Neuroradiology reading room. Students will sit with a Neuroradiologist and review CT head, MRI brain images and cerebral vascular imaging. If scheduled, they will observe a cerebral angiogram with stroke faculty/fellows.

Session 3 and 4 –

Student will round with the inpatient stroke team at PUH, which includes residents, fellows and stroke attendings.