



University
of
Pittsburgh

School
of
Medicine

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Medical
Education

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412.648.8714

Neuroanatomy Applied—Stroke by Stroke Mini-Elective Spring 2020

Course Dates:
**PLEASE SELECT ONLY
ONE OF THE LISTED
OFFERINGS WHEN
REGISTERING**

April 6, 13, 20, 27
Mondays, 1:00-4:00 PM

April 7, 14, 21, 28
Tuesdays, 1:00-4:00 PM

April 3, 10, 17, 24
Fridays, 1:00-4:00 PM

Maximum Students: 3 Students Per Group (**cannot mix days/dates**)

Class Year: MS1

Course Directors: Cynthia Kenmuir, MD, PHD
Neurology Stroke Attending
kenmuircl@upmc.edu—814-889-3930

Contact Information: Renee Craig
craigr2@upmc.edu
412-647-7654—332 Scaife Hall

Registration: 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. This mini elective is being run during the neuroscience course to illustrate direct clinical application of neuroscience.

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. Please wear white coats, business casual dress for seeing patients. The last 2 weeks, bring stethoscope, reflex hammer, tuning fork (128Hz), penlight.

Pre-Requisites:
None

COURSE OUTLINE

Neuroanatomy Applied—Stroke by Stroke

Course Directors:

Cynthia Kenmuir, MD

Participating Faculty:

Laurie Knepper, MD—Neurology
knepperle@upmc.edu
412-647-9494

Cynthia Kenmuir, MD—Stroke Attending
kenmuircl@upmc.edu
412-648-8914

Location:

**UPMC Stroke Institute—PUH 4th Floor
4th Floor Stroke Conference Room**

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. 4th Floor Stroke Conference Room

Session 2 –

Stroke fellows, Stroke and Neurology attendings will review CT head, MRI brain images and cerebral vascular imaging with students. If scheduled, they will observe a cerebral angiogram with stroke faculty/fellows. 4th Floor Stroke Conference Room

Session 3 and 4 –

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