Mind-Body Seminar Series
Mini-Elective
2016-2017

Course Dates: October 2016—May 2017
Noon-1pm

Class Year: MS1

Course Director: Jason Rosenstock, MD
Director, Medical Student Education
Department of Psychiatry

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Description:
This seminar series focuses on psychosomatic medicine, the interconnections between “mind” and “body” that affect the care of patients in various medical specialties. Scheduled in conjunction with other first-year medical school courses, this mini-elective highlights behavioral and psychiatric aspects of core scientific areas such as neuroscience, genetics, and immunology. All of these disciplines relate to behavioral health, and in this series we will explore those connections.

Each seminar will be led by psychiatry residents and faculty who will present relevant topics informally and invite discussion about clinical challenges in mind-body medicine, particularly how what we know and learn about the basic science of illness translates into the assessment and management of real patients. This elective builds on first-year courses (especially Behavioral Medicine and Introduction to Psychiatry) and better prepares students for clinical encounters in third-year.

Readings will be suggested but not required; handouts or other materials may be distributed at sessions.

This mini-elective will be open to all students, not exclusive to those who register.

Objectives:
• Show medical students how the basic science of medicine can inform the understanding and management of mental health conditions
• Help medical students appreciate the relevance and value of psychiatry in medicine

Requirements:
• Attend at least 3 out of 5 scheduled course sessions
• Participate actively in class discussions
• Complete course evaluations
Course Outline

Mind-Body Seminar Series

Course Director:
Jason Rosenstock, MD
Associate Professor of Psychiatry
Director, Medical Student Education
Western Psychiatric Institute and Clinic

Participating Faculty:

Kimberly Clinebell, MD
PGY-5 Resident, Child & Adolescent Psychiatry
Chief Resident for Education

Nicole Bates, MD
PGY-3 Resident, General Adult Psychiatry
Vice Chair, Academic Administrator Clinician Educator (AACE) Track

Abigail Besch, MD
Co-Chair, Mind Body Seminar Series
PGY-2 Resident, Child and Adolescent Psychiatry

Alex Israel, MD
Co-Chair, Mind Body Seminar Series
PGY-2 Resident, General Adult Psychiatry

Location:
All sessions Scaife Hall, Rooms 502&503 unless otherwise stated
12:00-12:55pm

Dates & Corresponding Courses:

Monday, October 31st 2016 - Genetics
Monday, November 14th 2016 - Metabolism
Monday, February 13th 2017 - Immunology
Monday, March 13th 2017 – Microbiology
Monday, May 1st 2017 – Neuroscience

Sample Session Topics

Genetics:
The genetics of psychiatric disorders are complex; illnesses like schizophrenia and major depression have multifactorial etiologies. However, genetic factors have been linked to a range of illnesses, from autism to Alzheimer’s. In this session, we’ll review what genetics can tell us (and perhaps what it cannot) about the cause of mental illness.

Suggested readings:
Eapen V. Genetic basis of autism: is there a way forward? Curr Opin Psychiatry 2011;24:226-36.

**Immunology:**

Stress causes an immune response, which affects health in various ways. Inflammation contributes to cardiac risk in depressed individuals. People who have autoimmune-related thyroid problems are more likely to suffer from depression and anxiety. What exactly are the connections between the immune system and the central nervous system, and how do we think about these connections when assessing and managing patients with behavioral health or other conditions?

Suggested readings:
http://www.hsls.pitt.edu/resources/books/ebooks?s=Psychiatry

**Microbiology:**

Recent evidence has suggested that brain disorders like schizophrenia may have an infectious etiology, reflecting a gene/environment interaction. What organisms are involved, and how do they affect the brain? Numerous other infectious diseases have fascinating neuropsychiatric sequelae: chronic Lyme Disease sufferers who develop chronic fatigue, kids status post streptococcal infection who develop obsessive-compulsive disorder, prion disease and dementias, and of course the ravages of tertiary syphilis. Or, looked out from another perspective, how can behavioral health interventions help reduce the spread of HIV? Join us for this discussion of bugs and brains.

Suggested readings:
http://neuro.psychiatryonline.org/cgi/content/full/16/3/252

http://ajp.psychiatryonline.org/cgi/content/full/167/3/261

**Neuroscience:**

Although both disciplines involve different ways or considering the brain and nervous system illness, neurology and psychiatry are closely related. Mind-body issues in neuroscience include epilepsy and personality type, neuropsychiatric sequelae of movement disorders, and neuro-oncology (e.g., “of course they’re depressed—wouldn’t you be?”).

Suggested readings:
