This seminar will present an overview of several neurological disorders and provide practical information to help care providers recognize, understand and intervene with the mental health issues that often accompany these disorders. The first two topics of the seminar will provide 2 hours of stroke continuing education.

**Topics to be covered include:**

- The connection between neurological disorders & mood disorders
- Prevalence of mood, cognitive and other psychiatric disorders in neurological disorders
- Neurological disorders that present mood disorders and mental health concerns
- Symptomatology of mood disorders and cognitive impairment that may accompany neurological disorders
- Pharmacological and non-pharmacological treatment options for mood disorders for individuals with Multiple Sclerosis, Parkinson’s Disease and those who have experienced stroke.

**See page 2 for presenters and learning objectives**

**Registration Information**

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Seminar Fee</td>
<td>$89.00</td>
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<tr>
<td>Meritus Health Staff</td>
<td>$59.00</td>
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<tr>
<td>Brook Lane Staff</td>
<td>Follow Training Request procedures</td>
</tr>
</tbody>
</table>

Registration includes continental breakfast and CEUs.

Lunch is on your own (11:45 am—12:45 pm)

To Register: Complete the attached registration form and send with payment

Questions: Debbie Staley, Mgr. Continuing Education
Brook Lane, 301-733-0331 x 189
Mood Disorders & Cognitive Impairment in Neurological Disorders

Agenda * Friday, October 18, 2013

8:00 – 9:00 am Neurodegenerative Disorders and Mood Disorders
Chiadi U. Onyike, M.D., M.H.S. is the director of Frontotemporal Dementia (FTD) and Young-Onset Dementias Clinic, Johns Hopkins. His research focuses on the epidemiology and neuropsychiatry of the frontotemporal dementias, practical dementia care, Alzheimer disease and related disorders.

Learning Objectives:
- Identify the most common neurodegenerative disorders that present with mood disorders
- Explore the common substrate between neurodegenerative disorders and mood disorders
- Identify biomarkers for the diagnosis of neurodegenerative disorders manifesting with early mood disorders
- Explore target treatments for specific neuroanatomically related mood disorders

9:00 – 10:15 am Mood Disorders Associated with Stroke
Milap Nowrangi, M.D., M.B.E., is an assistant professor, Medical Director, Johns Hopkins Memory and Care Program at Grand Oaks Sibley Memorial Hospital. He has a special interest in the treatment/management of the behavioral and cognitive sequelae of neurological disease including traumatic brain injury, stroke, epilepsy, toxic exposures, and others.

Learning Objectives:
- Investigate the epidemiology of mood disorders following stroke
- Describe the connection between neurochemistry and mood disorders in patients who experienced a stroke
- Explain how early recognition and management of mood disorders after stroke enhance functional improvement of individual patients

10:15 – 10:30 am Break

10:30 – 11:45 am Demoralization and Depression in Multiple Sclerosis
Adam Kaplin, MD, PhD is an assistant professor of the department of Neuropsychiatry and chief psychiatric consultant to the Neurology Department at Johns Hopkins University School of Medicine. He is an integral member of the clinical and research endeavors at the Johns Hopkins Multiple Sclerosis (MS) and Transverse Myelitis (TM) Centers of Excellence.

Learning Objectives:
- Explain the relationship between the immune system and the brain, and depression & cognitive impairment
- Describe the bidirectional influence of MS and Depression
- Summarize current and potential treatments for Depression and Cognitive impairment in MS

11:45 – 12:45 pm Lunch (on your own)

12:45 – 2:00 pm Mood Disorders and Cognitive Impairment in Parkinson’s Disease
Gregory Pontone, MD, is the director of the Johns Hopkins Movement Disorder Psychiatry Clinic which focuses on diagnosing and treating the non-motor aspects of Parkinson’s disease and related disorders. His research focuses on the clinical correlates of anxiety in Parkinson’s disease and identifying non-motor signs of Parkinson’s that may be present before motor symptoms begin.

Learning Objectives:
- Describe the prevalence/phenomenology of mood, cognitive, and other psychiatric disorders in PD
- Summarize relationship between psychiatric disorders and the neurogenerative process
- Explain the connection between neurochemistry and mood disorders in patients who have PD

2:00 – 2:15 pm Break

2:15 – 3:30 pm Mental Health Challenges: Non-pharmacological Treatment
Amy Fox, PhD, is a clinical psychologist on staff at Meritus Medical Center. She is a certified brain injury specialist who has worked in both inpatient and outpatient rehabilitation and behavioral health settings. She has been an active member of the Brain Injury Association of Maryland and a presenter at the state conference. Her clinical interests include neuropsychological assessment/theory with individuals adjusting to the onset of a disability.

Learning Objectives:
- Comprehend the role of the mental health therapist on the treatment team
- Identify barriers to psychotherapy following rehabilitation
- Describe mental health therapy modalities proven effective for individuals with neurological disorders
- Analyze a case study in the use of multimodal treatment for individuals with neurological disorders.
Brook Lane Seminar Registration Form
13218 Brook Lane Drive, Hagerstown, MD 21742
301-733-0331 x 189  www.brooklane.org

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Contact Phone #:______________________________   Discipline:____________________________

Seminar Title: Mood Disorders and Cognitive Impairment in Neurological Disorders

Friday, October 18, 2013   -  8:00 – 3:45 pm (check in: 7:30 am)

[  ]   $ 89.00  Seminar Fee, includes continental breakfast and 6 CEUs
[  ]   $ 59.00  Meritus Health Staff, includes continental breakfast and 6 CEUs
[  ]   Internal  Brook Lane Staff:  DEPARTMENT number (required):________________

( BL Staff:  Required: follow the Training Request form procedures)

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Please register early, space is limited!

Cancellation Policy:  A $ 10.00 processing fee will apply.  To receive a refund, cancellations must be made in writing and received no later than one week prior to start of the seminar.  No refunds will be made after that date or for no-shows.

Program Questions:  deborah.staley@brooklane.org  301-733-0331 x 189