

# 5th Annual Navigating Spinal Care *Managing Gait Dysfunction* May 9, 2014

## COURSE LOCATION

The College of Physicians  
of Philadelphia  
19 South Twenty-Second Street  
Philadelphia, PA 19103



Earn up to  
7.25  
CME credits



**Jefferson**<sup>®</sup>  
Hospital for Neuroscience

THOMAS JEFFERSON UNIVERSITY AND HOSPITALS

## COURSE DESCRIPTION

This course has been designed for primary care physicians, neurologists, physiatrists, pain management physicians, orthopedic surgeons, and interested allied health professionals whose practice encompasses patients with gait dysfunction. The **5th Annual Navigating Spinal Care Symposium: Managing Gait Dysfunction** is sponsored and directed by the Jefferson Medical College of Thomas Jefferson University Department of Neurological Surgery Division of Spine and Peripheral Nerve Surgery faculty members.

The program will focus upon evaluation and management strategies of patients with gait dysfunction, including the initial identification and evaluation of the problem. Presentations will include focused history and physical examination, diagnostic approaches, musculoskeletal processes, and the potential intracranial etiologies of disorders such as Parkinson's disease, normal pressure hydrocephalus, and cerebral palsy. Intervention and pain management treatment strategies for gait dysfunction will be discussed. Presentations focusing on imaging options, "red flags," pharmacotherapy, and conservative and invasive treatment options will be included.

Participants will examine these topics from multiple perspectives. The course will be provided by a multidisciplinary team of experts in the fields of neurology, pain management, physical medicine and rehabilitation, neurological surgery, and endocrinology. This CME Conference offers participants a unique opportunity to witness experts deliberate how to effectively and efficiently diagnose, treat, and manage patients with gait dysfunction according to the most recent evidence. We anticipate that by deepening participants' understanding of imaging and evaluation options for gait dysfunction, patients will receive more effective diagnosis and treatment.

*We hope you will join us for this special 5th Annual Event!*

## COURSE OBJECTIVES

At the conclusion of this conference, participants should be able to:

- Improve the initial evaluation, identification and management of gait dysfunction.
- Critique the role and benefits of commonly used imaging techniques of the gait dysfunction and select the appropriate imaging method.
- Identify potential etiologies of gait dysfunction.
- Develop a rational management approach to gait dysfunction and understand the controversies surrounding evaluation and therapies.
- Differentiate between radiculopathy, neurogenic claudication and masqueraders of gait dysfunction and select appropriate treatment techniques.
- Examine current guidelines for interventional pain management.
- Analyze the importance of spinal alignment and management of scoliosis in terms of gait dysfunction.
- Review modern surgical options for lumbar degenerative disc disease, stenosis and deformities.
- Assess their individual practices in light of the information and discussions during the course, and identify specific strategies to implement as part of a continuing improvement process for their practices.

**Friday, May 9, 2014** *Agenda subject to change*

### Topic: Initial Assessment

**Moderator: Gaurav Jain, MD**

- 7:00 AM **Registration, Continental Breakfast & Exhibits**
- 8:00 AM Introductory Remarks  
*James S. Harrop, MD, FACS*
- 8:05 AM Anatomy/Pathophysiology – How We Walk  
*Chengyuan Wu, MD*
- 8:30 AM Basics of Gait  
*Daniel Moon, MD*
- 9:00 AM Questions and Answers/Panel Discussion
- 9:15 AM **Break & Exhibits**

### Topic: Diagnosing Disorders

**Moderator: Joshua E. Heller, MD**

- 9:30 AM How to Read & Interpret Imaging for Possible Causes  
*Dinesh Sharma, MD*
- 10:00 AM Basic EMG Interpretation  
*Adam L. Schreiber, DO, MA*
- 10:30 AM DEXA Scan – What Does it Mean  
*Intekhab Ahmed, MD*
- 10:45 AM Questions and Answers/Panel Discussion
- 11:00 AM **Break & Exhibits**

### Topic: Intracranial Etiology of Gait Dysfunction

**Moderator: Ashwini D. Sharan, MD, FACS**

- 11:15 AM Stroke  
*Jacqueline Urtecho, MD*
- 11:30 AM Normal Pressure Hydrocephalus (NPH)  
*Christopher Farrell, MD*
- 11:45 AM Cerebral Palsy  
*Michael Saulino, MD*
- 12:00 PM Parkinsonism  
*Tsao-Wei Liang, MD*
- 12:20 PM Gait Dysfunction and Rehab  
*Guy W. Fried, MD*  
*Christopher S. Formal, MD*
- 12:35 PM Questions and Answers/Panel Discussion
- 12:50 PM **Lunch & Exhibits**
- 1:15 PM Disc Herniation - Foot Drop Debate  
*Jack I. Jallo, MD, PhD, FACS*  
*Joshua E. Heller, MD*  
*Ashwini D. Sharan, MD, FACS*
- 2:00 PM Lumbar Stenosis  
*Christopher M. Maulucci, MD*
- 2:15 PM Degenerative Scoliosis  
*James S. Harrop, MD, FACS*
- 2:30 PM Cervical/Thoracic Myelopathy  
*Srinivas K. Prasad, MD*
- 2:45 PM Neuropathy  
*Goran Rakocevic, MD*
- 3:00 PM Questions and Answers/Panel Discussion
- 3:15 PM **Breaks & Exhibits**

### Topic: Gait Dysfunction Processes (Musculoskeletal)

**Moderator: Srinivas K. Prasad, MD**

- 3:30 PM Hip/Knee Pathology  
*Gregory Deirmengian, MD*
- 3:45 PM Neurogenic Claudication  
*Gaurav Jain, MD*
- 4:00 PM Vascular Claudication  
*Dawn M. Salvatore, MD*
- 4:15 PM Questions and Answers/Panel Discussion
- 4:30 PM **Course Adjourns**

## JEFFERSON CO-COURSE DIRECTORS

### **James S. Harrop, MD, FACS**

Professor of  
Neurological and Orthopaedic Surgery  
Director, Division of Spine & Peripheral Nerve Disorders

### **Joshua E. Heller, MD**

Assistant Professor of  
Neurological and Orthopaedic Surgery

### **Gaurav Jain, MD**

Clinical Assistant Professor of Neurological Surgery

### **Jack I. Jallo, MD, PhD, FACS**

Professor of Neurological Surgery and  
Vice Chair for Academic Services  
Director, Division of Neurotrauma and Critical Care

### **Srinivas K. Prasad, MD**

Assistant Professor of  
Neurological and Orthopaedic Surgery

### **Ashwini D. Sharan, MD**

Professor of Neurological Surgery and Neurology  
Director, Division of Functional Neurosurgery

## JEFFERSON FACULTY

### **Intekhab Ahmed, MD**

Clinical Associate Professor of Medicine

### **Gregory Deirmengian, MD**

Assistant Professor of Orthopaedic Surgery  
Rothman Institute

### **Christopher Farrell, MD**

Assistant Professor of Neurological Surgery

### **Christopher S. Formal, MD**

Professor of Rehabilitation Medicine

### **Guy W. Fried, MD**

Professor of Rehabilitation Medicine  
Chief Medical Officer  
Magee Rehabilitation Hospital

### **Tsao-Wei Liang, MD**

Assistant Professor of Neurology

### **Christopher M. Maulucci, MD**

Spine Fellow/Clinical Instructor

### **Daniel Moon, MD**

### **Goran Rakocevic, MD**

Associate Professor of Neurology

### **Dawn M. Salvatore, MD**

Clinical Assistant Professor of Surgery

### **Michael Saulino, MD**

Assistant Professor of Rehabilitation Medicine

### **Adam L. Schreiber, DO, MA**

Assistant Professor of Physical Medicine & Rehabilitation

### **Dinesh Sharma, MD**

Clinical Assistant Professor of Radiology

### **Jacqueline Urtecho, MD**

Assistant Professor of Neurological Surgery

### **Chen Wu, MD**

Chief Resident of Neurosurgery

## ACCREDITATION INFORMATION

Jefferson Medical College of Thomas Jefferson University is accredited by the ACCME to provide continuing medical education for physicians. Jefferson Medical College of Thomas Jefferson University designates this live activity for a maximum of **7.25 AMA PRA Category 1 Credit(s)**<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## FACULTY DISCLOSURE

All faculty participating in continuing medical education activities sponsored by Jefferson Medical College are expected to disclose to the activity audience any real or apparent conflict(s) of interest related to the content of their presentation(s). Full disclosure of faculty relationships will be made at the activity.

## EXHIBITS

Exhibits will be open during registration, breaks, and lunch. We wish to thank our grantors and exhibitors for their participation and support of this conference.

## PARKING INFORMATION

There is metered on-street parking on most of the streets surrounding the College building, and several paid parking lots, including one on 21st Street, directly behind the College building. \*Please note that payment for parking is cash only.

# 5th Annual Navigating Spinal Care Symposium **May 9, 2014**

## REGISTRATION INFORMATION

The registration fee for the entire course is **\$125.00** for Physicians and **\$100.00** for Nurses and Allied Health Professionals. The Registration Fee includes all course materials, CME Certificate, and continental breakfast, lunch and refreshment breaks. The registration fee does not include parking. Your registration will be confirmed via email. Exhibits will be displayed throughout the conference. If you have any special needs, please contact the Office of CME by **May 2, 2014** at 1-888-JEFF-CME.

## CANCELLATIONS/REFUND POLICY

Requests for refunds must be submitted in writing and received in the Office of CME by **May 2, 2014**. There will be no refunds after this date. There will be a \$25 processing fee for all refunds. Registrants who fail to attend the conference are responsible for the entire fee. All refunds will be processed after the conference. The University reserves the right to cancel or postpone this course due to unforeseen circumstances. In the event of cancellation or postponement, the University will refund registration fees, but is not responsible for related costs or expenses to participants, including cancellation fees assessed by hotels, airlines or travel agencies.

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Last Name First Name MI Personal Title (II, Jr.)

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Title (Dr., Mr., Ms.) Degree Specialty Institution

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Mailing Address

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City State Zip

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Web ID (Please provide the last four digits of your Social Security Number as your Web ID. This will allow you to access your CME transcript at anytime after the course.)

Please do not include me in upcoming events mailing lists

Are you a Jefferson Medical College Alum?  Yes  No  
If yes, what year? \_\_\_\_\_

## REGISTRATION FEES

- \$125 Physicians  
 \$100 Other Allied Health Professionals

Discount rates available to specific spoke/affiliate hospitals.  
Please visit the course webpage,  
<http://jeffline.jefferson.edu/jeffcme/Neurosurgery/> for details.

**To register please use one of the following options:**

**Register Online:** <http://jeffline.jefferson.edu/jeffcme>

**Fax:** You may fax this form with credit card payment to (215) 923-3212

**Phone:** For further information, please call the Office of CME at  
1-888-JEFF-CME or 215-955-6992

**Mail: 5th Annual Navigating Spinal Care**

Jefferson Medical College  
Office of CME  
1020 Locust Street, Suite M-5  
Philadelphia, PA 19107

**Payment:** Please make check payable to **Jefferson Medical College, Office of CME**, or provide Credit Card Information. Do not send cash. Registration will not be processed unless full payment is received.

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