

UW Medicine

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UW SCHOOL  
OF MEDICINE

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*28th Annual Review Course in*

# Physical Medicine and Rehabilitation

March 27-April 2, 2011

Hotel Deca Seattle  
4507 Brooklyn Ave NE  
Seattle, WA 98105

# Physical Medicine and Rehabilitation

## March 27-April 2, 2011

### WHO SHOULD ATTEND

Senior residents and recent graduates in PM&R preparing for Board certification or other physicians preparing for re-certification within the specialty of Physical Medicine and Rehabilitation, or any health care professional seeking to update their knowledge of PM&R.

### COURSE DESCRIPTION

This course is designed as a comprehensive review for physicians preparing for ABPM&R Part 1 or 2 Board Certification or re-certification examinations. The curriculum is divided into modules chaired by expert faculty. Teaching methodology is primarily via lectures, with interactive waveform analysis for EMG review and the opportunity to participate in Mock Oral Examinations.

### COURSE OBJECTIVES

Upon completion of this program, attendees should be able to:

- Demonstrate proficiency in the anatomic, diagnostic, and management concepts across the entire spectrum of Physical Medicine and Rehabilitation
- Describe new developments in the field of physical medicine and rehabilitation
- Take Part 1 and Part 2 of the American Board of Physical Medicine and Rehabilitation Certification Examination OR be prepared to take Board re-certification

### ACCREDITATION

The University of Washington School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Washington School of Medicine designates this educational activity for a maximum of 46.75 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

### CANCELLATION POLICY

The Office of Continuing Medical Education must receive written notification of your cancellation by March 17, 2011. A \$50.00 processing fee will be deducted from refund requests received by this date. No refunds will be issued following March 17, 2011. The Office of Continuing Medical Education reserves the right to cancel this course twenty (20) days prior to the course date when a minimum enrollment is not met or for other reasons that prevent the University from holding the course. Each registrant will be notified by telephone followed by written notification and a full refund. The University of Washington is not responsible for any other costs incurred such as non-refundable airline tickets or hotel penalties. Contact CME Registrar with questions. **Call (206) 543-1050, fax (206) 221-4525 or email [cme@uw.edu](mailto:cme@uw.edu).**

### ATTENDANCE POLICY

Course activities are exclusively reserved for course attendees. Badges provided at registration are required for entrance into all functions and will be strictly enforced.

### FEES AND REGISTRATION

The fee for this course includes catering, all instruction materials and transcript of Category 1 credit. To ensure enrollment, please complete the enclosed registration form and forward it with the appropriate tuition. Allow up to fifteen working days to receive your written confirmation of enrollment. If you have not received written confirmation prior to your departure for the course, please contact the Continuing Medical Education office at 206-543-1050. Continuing Medical Education will not be responsible for expenses incurred by an individual who is not confirmed and for whom space is not available at the course.

	FULL COURSE		PER DAY
	before 3/1	after 3/1	4 days or less
MD/DO/PhD	\$945.00	\$1045.00	\$210.00
Resident/ Fellow/ Allied Health	\$795.00	\$895.00	\$210.00
UW Resident	\$150.00	\$250.00	n/a

## SPECIAL SERVICES

Continuing Medical Education at the University of Washington is a totally self-sustaining unit and does not depend on or receive public monies in support of its educational efforts. Fees for this course are estimated to cover the costs of conducting this course. These costs include salaries, registration and credit, syllabi, handouts, record keeping, faculty planning and evaluation and may include food, alcohol, taxes and gratuities to vendors. The University of Washington reaffirms its policy of equal opportunity regardless of race, color, creed, religion, national origin, sex, sexual orientation, age, marital status, disability, or status as a disabled veteran or Vietnam era veteran in accordance with University policy and applicable federal and state statutes and regulations. The University of Washington is committed to providing access and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation in the application process contact the department at: 206-543-1050 or the Disability Services Office at least ten days in advance.

### Contact Disability Services Office

206-543-6450/Voice

206-543-6452/TTY

206-685-7264/Fax

e-mail: [dso@u.washington.edu](mailto:dso@u.washington.edu)

## HOTEL ACCOMMODATIONS

**\$139.00**

Single or Double

The University of Washington has contracted for special rates at the conference

hotel. You must mention the "*University of Washington, PM & R course*" to receive this rate. The rate quoted does not include applicable taxes. Please make your reservation early. **After March 5, 2011**, this rate and accommodations may no longer be available. The University of Washington accepts no further responsibility for lodging.

### Hotel Deca

**4507 Brooklyn Avenue NE  
Seattle, WA 98105**

**800-899-0251**

**206-634-2000**

**email: [reservations@hoteldeca.com](mailto:reservations@hoteldeca.com)**

**[www.hoteldeca.com](http://www.hoteldeca.com)**

## COURSE CO-CHAIRS

**Thomas McNalley, MD**  
Acting Assistant Professor  
Rehabilitation Medicine

**Karen Barr, MD**  
Associate Professor  
Rehabilitation Medicine

## GUEST FACULTY

**David Hanscom, MD**  
Swedish Neuroscience Specialists  
Seattle, WA

**Chawn Lim, MD**  
Evergreen Hospital  
Kirkland, WA

**Shana Johnson, MD**  
Providence Physical Medicine Clinic  
Olympia, WA

**Heikki Uustal, MD**  
Clinical Assistant Professor  
Physical Medicine and Rehabilitation  
Director of Prosthetics and Orthotics  
JFK Johnson Rehabilitation Institute  
Edison, NJ

# Faculty

**Daniel Abrahamson, CPO, LPO**  
Lecturer  
Rehabilitation Medicine

**Majeed Al-Mateen, MD**  
Clinical Associate Professor  
Department of Neurology  
Attending Neurologist  
Seattle Children's Hospital

**Kathleen R. Bell, MD**  
Professor  
Rehabilitation Medicine

**Wendy Cohen, MD**  
Professor  
Neuroradiology

**Deborah Crane, MD**  
Acting Assistant Professor  
Rehabilitation Medicine

**Claire Creutzfeldt, MD**  
Acting Assistant Professor  
Neurology

**Peter Esselman, MD**  
Professor and Chair  
Rehabilitation Medicine

**Jesse Fann, MD**  
Associate Professor  
Psychiatry & Behavioral Sciences

**Alfred Gellhorn, MD**  
Clinical Assistant Professor  
Rehabilitation Medicine

**Michael Gofeld, MD**  
Director of Clinical Operations  
Center for Pain Relief  
Anesthesiology & Pain Medicine

**Myron Goldberg, PhD**  
Clinical Associate Professor  
Rehabilitation Medicine

**Kevin Hakimi, MD**  
Assistant Professor  
Rehabilitation Medicine

**Isaac Hernandez-Jimenez, MD**  
Spinal Cord Injury Fellow  
Rehabilitation Medicine

**Ileana Howard, MD**  
Clinical Assistant Professor  
Rehabilitation Medicine

**Grant Hughes, MD**  
Assistant Professor  
Rheumatology

**Mark Jensen, PhD**  
Professor  
Rehabilitation Medicine

**George Kraft, MD, MS**  
Professor  
Rehabilitation Medicine

**Scott Laker, MD**  
Clinical Assistant Professor  
Rehabilitation Medicine

**Lisa McPeak, MD**  
Clinical Associate Professor  
Rehabilitation Medicine

**Gregg Meekins, MD**  
Associate Professor  
Neurology

**David Morgenroth, MD**  
Acting Assistant Professor  
Rehabilitation Medicine

**Ramona Okumura, CP**  
Senior Lecturer  
Rehabilitation Medicine

**Janet Powell, PhD, OTR/L**  
Associate Professor  
Rehabilitation Medicine

**Katerina Radkevich, MD**  
Senior Fellow  
Rehabilitation Medicine

**Ashwin Rao, MD**  
Clinical Assistant Professor  
Family Medicine

**Rina Reyes, MD**  
Assistant Professor  
Rehabilitation Medicine

**James Robinson, MD, PhD**  
Clinical Assistant Professor  
Rehabilitation Medicine

**Arthur Rodriquez, MD**  
Associate Professor  
Rehabilitation Medicine

**Christian Shenouda, MD**  
Brain Injury Fellow  
Rehabilitation Medicine

**Irakli Soulakvelidze, MD**  
Assistant Professor  
Anesthesiology

**Chris Standaert, MD**  
Clinical Associate Professor  
UW Medicine Spine Center

**Steve Stiens, MD**  
Associate Professor  
Rehabilitation Medicine

**Alison Stout, DO**  
Acting Assistant Professor  
Rehabilitation Medicine  
VA Puget Sound Health Care  
System

**Mark Sullivan, MD, PhD**  
Professor  
Psychiatry & Behavioral  
Sciences

**Jelena Svircev, MD**  
Clinical Assistant Professor  
Rehabilitation Medicine

**Stephanie Van Hoff, DPT**  
Physical Therapist  
Department of Veterans Affairs

**Joseph Webster, MD**  
Associate Professor  
Rehabilitation Medicine

**Karen Wooten, MD**  
Clinical Assistant Professor  
Rehabilitation Medicine

**Annette Wundes, MD**  
Assistant Professor  
Neurology

**Claire Yang, MD**  
Professor  
Urology

**Jennifer Zumsteg, MD**  
Senior Fellow/Acting Instructor  
Rehabilitation Medicine

# *Sunday, March 27, 2011*

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**8:15 Registration and Coffee**

8:45 Welcome and Introduction

## *Cardiopulmonary/Burns/Cancer*

Module Chair: Kevin Hakimi, MD

8:50 Burn Rehabilitation  
*Peter Esselman, MD*

9:50 Cardiac Rehabilitation  
*Kevin Hakimi, MD*

**10:45 Break**

11:00 Cancer Rehabilitation  
*Karen Barr, MD*

**12:00 Lunch (on your own)**

## *Pediatrics*

Module Chair: Thomas McNalley, MD

1:00 Muscular Dystrophy  
*Majeed Al-Mateen, MD*

2:00 Pediatric Limb Deficiency  
*Ramona Okumura, CP*

**2:50 Break**

3:10 Cerebral Palsy  
*Thomas McNalley, MD*

4:10 Myelodysplasia  
*Thomas McNalley, MD*

**5:00 Adjourn**

# Monday, March 28, 2011

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**7:30 Coffee and Sign In**

## *Amputee Gait and Orthotics*

Module Chair: Joseph Webster, MD

- 8:00 Spinal Orthotics  
*Deborah Crane, MD*
- 8:45 Normal and Pathologic Gait  
*Heikki Uustal, MD*
- 9:45 Break**
- 10:00 Lower Extremity Orthotics  
*Heikki Uustal, MD*
- 11:00 Upper Extremity Orthotics  
*Heikki Uustal, MD*
- 12:00 Lunch (on your own)**

## *Amputee Rehabilitation and Prosthetics*

Module Chair: David Morgenroth, MD

- 1:00 Upper Extremity Amputee Rehabilitation and Prosthetics  
*Heikki Uustal, MD*
- 2:00 Rehabilitation Approach to Lower Extremity Amputees  
*Kevin Hakimi, MD*
- 2:40 Break**
- 2:55 Transtibial Prosthetic Components  
*Daniel Abrahamson, CPO, LPO*
- 3:45 Transfemoral Prosthetic Components  
*Daniel Abrahamson, CPO, LPO*
- 4:30 Prosthetic Alignment and Transtibial Amputee Gait  
*David Morgenroth, MD*
- 5:00 Adjourn**

# Tuesday, March 29, 2011

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**7:30 Coffee and Sign In**

## *EMG and Neuromuscular Disease*

Module Chair: Arthur Rodriquez, MD

8:00 Principles of EMG  
*George Kraft, MD, MS*

8:50 Review of Radiculopathy  
*Kevin Hakimi, MD*

**9:40 Break**

10:00 Motor Neuron Disease  
*Gregg Meekins, MD*

10:50 Neuromuscular Junction Testing  
*Kevin Hakimi, MD*

**11:40 Lunch (on your own)**

1:00 Entrapment Neuropathy/Traumatic Neuropathy  
*Arthur Rodriquez, MD*

1:50 Peripheral Polyneuropathy  
*Arthur Rodriquez, MD*

**2:40 Break**

3:00 Myopathies  
*Arthur Rodriquez, MD*

3:50 Wave Form Review  
*Arthur Rodriquez, MD and Kevin Hakimi, MD*

**4:15 Break**

## *Test Prep/Mock Orals*

Module Chair: Karen Wooten, MD

4:30 Study Strategies  
*Karen Wooten, MD*

5:00 Mock Orals  
*Course Faculty*

**6:00 Adjourn**

# Wednesday, March 30, 2011

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**7:30 Coffee and Sign In**

## *Musculoskeletal Module Review, Section 1*

Module Chair: Scott Laker, MD

8:00 Review of Lower Extremity-Foot and Ankle  
*Karen Barr, MD*

8:30 Review of Lower Extremity-Hip and Knee  
*Ashwin Rao, MD*

**9:45 Break**

10:00 Review of Upper Extremity  
*Alfred Gellhorn, MD*

11:00 Rheumatology  
*Grant Hughes, MD*

**12:00 Lunch (on your own)**

## *Pain*

Module Chair: Jim Robinson, MD, PhD

1:10 Introduction  
*Jim Robinson, MD, PhD*

1:30 Pain Pathways  
*Scott Laker, MD*

1:55 Psychotropic Medications  
*Mark Sullivan, MD, PhD*

2:20 Opioids  
*Jim Robinson, MD, PhD*

2:40 Introduction to Interventional Pain Management  
*Jim Robinson, MD, PhD*

**2:50 Break**

3:05 Interventional Pain Management  
*Mike Gofeld, MD*

3:35 Psychological Treatments  
*Mark Jensen, PhD*

4:00 Complex Regional Pain Syndrome  
*Irakli Soulakvelidze, MD*

4:25 Surgical Decision-Making in Low Back Pain  
*David Hanscom, MD*

**4:45 Adjourn**

# Thursday, March 31, 2011

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**7:30 Coffee and Sign In**

## *Musculoskeletal Module Review, Section 2*

Module Chair: Scott Laker, MD

8:00 Lumbar Spine  
*Chris Standaert, MD*

9:15 Cervical and Thoracic Spine  
*Alison Stout, DO*

**10:00 Break**

## *Spinal Cord Injury*

Module Chair: Jelena Svircev, MD and Deborah Crane, MD

10:15 SCI Epidemiology and International Standards for Classification  
*Katerina Radkevich, MD*

11:00 Acute Treatment of SCI  
*Isaac Hernandez-Jimenez, MD*

11:30 Wheelchair Basics  
*Stephanie Van Hoff, DPT*

**12:00 Lunch (on your own)**

1:00 Medical Complications of Acute SCI  
*Jelena Svircev, MD*

1:45 Outcomes and Chronic Neurological Complications of SCI  
*Deborah Crane, MD*

2:30 Medical Complications in Chronic SCI  
*Rina Reyes, MD*

**3:15 Break**

3:30 The GI Tract after SCI  
*Steven Stiens, MD*

4:15 Urologic Management in SCI  
*Claire Yang, MD*

**5:00 Adjourn**

## Friday, April 1, 2011

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7:30 **Coffee and Sign In**

### *Traumatic Brain Injury and Multiple Sclerosis*

Module Chair: Kathy Bell, MD

8:00 Epidemiology and Acute Management of Traumatic Brain Injury  
*Christian Shenouda, MD*

8:45 Radiographic Evaluation of the Brain  
*Wendy Cohen, MD*

9:45 **Break**

10:00 Medical Complications of Traumatic Brain Injury  
*Jennifer Zumsteg, MD*

11:00 Mild Traumatic Brain Injury  
*Kathleen Bell, MD*

11:45 **Lunch (on your own)**

1:00 Neuropharmacology of Traumatic Brain Injury  
*Jesse Fann, MD*

1:45 Neuropsychological Examination and Cognitive Rehabilitation  
*Myron Goldberg, PhD*

2:45 **Break**

3:00 Introduction  
*George Kraft, MD, MS*

3:10 Multiple Sclerosis - Update on Disease Modification  
*Annette Wundes, MD*

3:45 Rehabilitation Principles in Multiple Sclerosis  
*Shana Johnson, MD*

4:40 Panel: Future of MS and Rehabilitation and Q & A  
*George Kraft, MD, MS, Annette Wundes, MD and Shana Johnson, MD*

5:00 **Adjourn**

## Saturday, April 2, 2011

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7:30 **Coffee and Sign In**

### *Stroke*

Module Chair: Ileana Howard, MD

8:00 Acute Evaluation and Management of Stroke, Secondary Stroke Prevention  
*Claire Creutzfeldt, MD*

9:00 Post-Stroke Complications and Management  
*Chuzon Lim, MD*

9:45 **Break**

10:00 Introduction to Stroke Rehabilitation: Targets and Goals of Therapy  
*Janet Powell, PhD, OTR/L*

10:30 Traditional Neurorehab Approaches  
*Lisa McPeak, MD*

11:00 New Therapy Interventions for Stroke  
*Janet Powell, PhD, OTR/L*

11:40 Expected Outcomes and Functional Measurements  
*Ileana Howard, MD*

12:20 **Adjourn**

# PHYSICAL MEDICINE *and* REHABILITATION

## March 27-April 2, 2011

MJ1109

COURSE FEES		FULL COURSE	PER DAY
		before 3/1	4 days or less
MD/DO/PhD		after 3/1	
		\$1045.00	\$210.00
Resident* / Fellow/ Allied Health		\$795.00	\$210.00
UW Resident*		\$150.00	n/a

### REGISTRATION

NAME	First	MI	Last
Professional Title	<input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> PhD <input type="checkbox"/> ARNP <input type="checkbox"/> RN <input type="checkbox"/> PA <input type="checkbox"/> Other:		
CONTACT	Street		
	City	State	Zip
	Phone ( ) -	Email	

**PER-DAY OPTION**  
Please Indicate Dates Attending

3/27  3/28  3/29  3/30

3/31  4/1  4/2

### RETURN COMPLETED REGISTRATIONS

By Mail  
UWCME  
Box 359441  
Seattle, WA 98195-9441

By Fax (206) 221-4525

Call (206) 543-1050  
with questions.

Register online at  
[www.uwcme.org](http://www.uwcme.org)

### PAYMENT \*Residency Program, if applicable

- Check (payable to University of Washington) for \$ \_\_\_\_\_
- Credit Card charge \$ \_\_\_\_\_

<input type="checkbox"/> Visa <input type="checkbox"/> MC	Card #	Exp Date
Signature		

<input type="checkbox"/> UW Budget	PROJ _____	OPT _____	TASK _____
Budget #	Budget Name	Box #	