



The Eleventh Annual  
Joseph P. Van Der Meulen Symposium  
in Clinical Neuroscience

# ADVANCES IN THE TREATMENT OF PAIN

April 2, 2004

*This course fulfills 7.5 CME credits toward the 12 CME credits in pain management and the appropriate care and treatment of the terminally ill required for relicensure by the Medical Board of California.*

Louis B. Mayer Auditorium  
USC Health Sciences Campus  
Los Angeles, California

*presented by*

Keck School of Medicine of the University of Southern California  
Office of Continuing Medical Education  
Department of Neurology  
Department of Neurological Surgery and  
Department of Anesthesiology

## JOSEPH P. VAN DER MEULEN, M.D.

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The annual Joseph P. Van Der Meulen Symposium in Clinical Neuroscience honors Dr. Van Der Meulen, former Chairman of the Department of Neurology at the University of Southern California, for his contributions to the development of clinical and basic neuroscience. Dr. Van Der Meulen continues as Professor of Neurology and Vice President for Health Affairs at USC.

Dr. Van Der Meulen was born in Boston, Massachusetts and educated at the Public Latin School and Boston College before receiving his M.D. from Boston University. He served his internal medicine internship at Bellevue Hospital (Cornell Service) in New York and received his neurology training at the Harvard Neurological Unit of the Boston City Hospital where he was trained in neurology by Dr. Derek Denny-Brown. He subsequently spent two years at the Karolinska Institute studying neurophysiology with Professor Ragnar Granit, a Nobel Laureate. After serving on the faculty at Harvard and Case-Western Reserve, Dr. Van Der Meulen joined the Department of Neurology at USC in 1971, serving as Chairman until 1979.

During his tenure as Chairman of Neurology, he restructured the department and initiated the development of neuroscience. He served as Dean of the School of Medicine in 1985 and 1986 and as Interim Dean from 1995 - 1997. In addition to his organizational and administrative contributions, he has continued to teach and practice clinical neurology. His continuing activities on behalf of the medical community, the USC family, and the development of clinical and basic neurosciences make him a leader in education, health care, and research in the United States.

## COURSE DESCRIPTION

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**The Eleventh Annual Van Der Meulen Symposium – Advances in the Treatment of Pain** is designed to provide an update on the treatment and management of various pain disorders and end-of-life issues, which have become increasingly important in medical practice, as demonstrated by the relicensure requirement of continuing medical education credits in these topics imposed by the Medical Board of California. The topics presented will interest physicians in Neurology, Neurosurgery, Anesthesiology, Internal Medicine, Family Practice, and General Practice.

**This program fulfills 7.5 CME credits toward the Medical Board of California's requirement of 12 Continuing Medical Education credits in pain management and the appropriate care and treatment of the terminally ill.**

## OBJECTIVES

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At the conclusion of the program, the participant should be able to:

- ◆ explain the basic mechanisms of pain and pain neurobiology,
- ◆ describe diagnosis and treatment of several common pain conditions,
- ◆ integrate pharmacologic, surgical, and behavioral therapy for pain management,
- ◆ describe the basic regulatory issues of pain management
- ◆ articulate the special issues involved in managing terminally ill patients and end-of-life issues.

**ACKNOWLEDGMENTS – We gratefully acknowledge the unrestricted educational grants in support of this program from:**

**Abbott Laboratories Neuroscience  
ESP Pharma  
GlaxoSmithKline**

**Medtronic  
Novartis  
Pfizer, Inc  
Xcel**

## SCHEDULE

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7:00 a.m. **Registration and Continental Breakfast**

8:00 a.m. **Course Overview**

*Helena Chang Chui, M.D., Philip D. Lumb, M.B., Martin H. Weiss, M.D.*

Morning Session Moderator: *Steven H. Richeimer, M.D.*

8:15 a.m. **Basic Overview of Pain**

*Jack M. Berger, M.D.*

8:45 a.m. **Psychology of Pain**

*Lisa Victor, Ph.D.*

9:15 a.m. **Acute Pain**

*Linda J. Rever, M.D.*

9:45 a.m. **Regulatory Issues and Legal Risks of Pain Management**

*Steven H. Richeimer, M.D.*

10:15 a.m. Break

10:30 a.m. **Back Pain**

*Srinath Samudrala, M.D.*

11:00 a.m. **Nerve Blocks for Pain**

*Ali Nemat, M.D.*

11:30 a.m. **Neurobiology of Pain: A Clinical Perspective**

*Howard L. Fields, M.D., Ph.D.*

12:15 p.m. Lunch

Afternoon Session Moderator: *Vladimir Zelman, M.D., Ph.D. and Leonard Lechtarman, M.D., Ph.D.*

1:15 p.m. **Diabetic and Small Fiber Neuropathy**

*John W. Griffin, M.D.*

2:00 p.m. **Neuropathic Pain Treatment**

*Said R. Beydoun, M.D.*

2:30 p.m. **Surgical Treatment of Pain**

*Peter Gruen, M.D.*

3:00 p.m. Break

3:15 p.m. **Fibromyalgia**

*Daniel G. Arkfeld, M.D.*

3:45 p.m. **Migraine Treatment**

*Soma Sahai, M.D.*

4:15 p.m. **End-of-Life Care**

*Angele Ryan, M.D.*

4:45 p.m. **Discussion - Faculty**

5:00 p.m. Adjournment

6:30 p.m. **Reception and Dinner at the Ritz-Carlton Huntington Hotel & Spa**

followed by the Van Der Meulen Lecture: ***"Music, Musicians, and the Brain"***  
delivered by *A. John Popp, M.D.*

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## FACULTY

### CHAIRMEN OF SPONSORING DEPARTMENTS

Keck School of Medicine of the  
University of Southern California  
Los Angeles, California

**Helena Chang Chui, M.D.**  
Interim Chairman, Department of Neurology  
McCarron Professor of Neurology

**Philip D. Lumb, M.B.**  
Professor and Chairman,  
Department of Anesthesiology

**Martin H. Weiss, M.D.**  
Professor and Chairman  
Department of Neurological Surgery  
Martin H. Weiss Chair in Neurological Surgery

### COURSE DIRECTOR

**David Ko, M.D.**  
Associate Professor of Clinical Neurology

### GUEST FACULTY

**Howard L. Fields, M.D., Ph.D.**  
Professor of Neurology and Physiology  
University of California, San Francisco  
School of Medicine  
San Francisco, California

**John W. Griffin, M.D.**  
Professor and Director, Department of Neurology  
Professor of Neuroscience and Pathology  
Johns Hopkins University School of Medicine  
Baltimore, Maryland

**Leonard Lechtarman, M.D., Ph.D.**  
Professor, Chief Neurologist  
Moscow Burdemko  
Russian Academy of Medical Sciences  
Moscow, Russia

**A. John Popp, M.D.**  
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Henry and Sally Schaffer Chair of Surgery  
Director, Neurosciences Institute  
Department of Surgery  
Albany Medical College  
Albany, New York

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**Daniel G. Arkfeld, M.D.**  
Assistant Professor of Medicine  
Division of Rheumatology

**Jack M. Berger**  
Associate Professor of Clinical Anesthesiology

**Said R. Beydoun, M.D.**  
Professor of Clinical Neurology

**Peter Gruen, M.D.**  
Associate Professor of Clinical Neurological Surgery

**Ali Nemat, M.D.**  
Assistant Professor of Clinical Anesthesiology

**Linda J. Rever, M.D.**  
Assistant Professor of Clinical Anesthesiology  
Co-Director of Pain Management Services

**Steven H. Richeimer, M.D.**  
Associate Professor of Clinical Anesthesiology and  
Psychiatry and Behavior Sciences  
Director, USC Pain Management

**Angele Ryan, M.D.**  
Assistant Professor of Clinical Anesthesiology

**Soma Sahai, M.D.**  
Clinical Assistant Professor of Neurology

**Srinath Samudrala, M.D.**  
Assistant Professor of Neurological Surgery

**Lisa Victor, Ph.D.**  
Assistant Professor of Clinical Anesthesiology

**Joseph P. Van Der Meulen, M.D.**  
Professor of Neurology  
Vice President of Health Affairs

**Vladimir Zelman, M.D., Ph.D.**  
Professor and Co-chairman, Department of  
Anesthesiology  
Professor of Neurological Surgery and Neurology

### Faculty Disclosure

As a sponsor accredited by ACCME, the Keck School of Medicine of USC must ensure balance, independence, objectivity and scientific rigor in all its sponsored or jointly sponsored educational activities. All faculty participating in a sponsored activity are expected to disclose to the activity audience any significant financial interest or other relationships (1) with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services discussed in an educational presentation and (2) with any commercial supporters of the activity. (Significant financial interest or other relationship can include grants or research support, being an employee, consultant, major stock holder, member of speakers bureau, etc.) The intent of this disclosure is not to prevent a speaker with a significant financial or other relationship from making a presentation, but rather to provide listeners with information from which they can make their own judgements. It remains for the audience to determine whether the speaker's interests or relationships may influence the presentation with regard to exposition or conclusion.

## COURSE INFORMATION

- Date:** Friday, April 2, 2004
- Location:** Louis B. Mayer Auditorium, Keith Administration Building, USC Health Sciences Campus  
1975 Zonal Avenue, Los Angeles, California 90033-1039
- Course Fee:** \$75.00 (Non-refundable. Preregistration and prepayment are required.)
- Registration:** 7:00 a.m., Mayer Auditorium, Keith Administration Building, USC Health Sciences Campus
- Parking, Lunch:** **Parking and lunch** are provided. Parking instructions will be sent to registrants before the course.
- Professional Credit** The Keck School of Medicine of the University of Southern California is accredited by the Accreditation Council for Continuing Medical Education (ACCMME) to sponsor continuing medical education for physicians.
- The Keck School of Medicine of the University of Southern California designates this educational activity for a maximum of 7.5 category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the activity.
- The California State Board of Registered Nursing accepts courses approved by the AMA for category 1 credit as meeting the continuing education requirements for license renewal.
- Dinner:** Reception and dinner at the Ritz-Carlton Huntington Hotel & Spa at 6:30 p.m., 1401 South Oak Knoll Avenue, Pasadena, California. Phone 626-568-3900. The dinner is \$75.00 **per person**; guests are welcome. Indicate the number attending the dinner on the course application and enclose payment. **Deadline for dinner reservations is Tuesday, March 30, by 4:30 p.m. Preregistration and prepayment are required.**
- Information:** For additional information, call 323-442-2555 or 800-USC-1119. FAX application to 323-442-2152 or 888-665-8650 (toll free). E-mail address for CME course information: [uscme@usc.edu](mailto:uscme@usc.edu) Visit our web site at [www.usc.edu/cme](http://www.usc.edu/cme).

If you have a disability, advance notice of any special needs by March 22, 2004 will help us serve you better.

## COURSE APPLICATION

### Advances in the Treatment of Pain (#1905)

April 2, 2004

**Course fee:** \$75.00 (Non-refundable. Preregistration and prepayment are required.) Dinner at Ritz-Carlton Huntington Hotel & Spa, \$75.00 per person additional fee, non-refundable; **preregistration and prepayment are required for dinner.**

**Please print:**

Name: \_\_\_\_\_  
(Last) (First) (Degree)

Social Security number: \_\_\_\_\_ E-mail \_\_\_\_\_

Daytime phone #: ( ) \_\_\_\_\_ FAX #: ( ) \_\_\_\_\_

Mailing address \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP+4: \_\_\_\_\_

Specialty: \_\_\_\_\_

- Check payable to USC enclosed  
 I wish to pay by  VISA  MASTERCARD

Card Number: \_\_\_\_\_

Expiration Date: \_\_\_\_\_ Amount: \$ \_\_\_\_\_

Authorized signature: \_\_\_\_\_

**I am including payment for:**

**Course Tuition (\$75.00)** \$ \_\_\_\_\_

**Dinner(s)** \_\_\_\_\_ @ \$75 each = \$ \_\_\_\_\_  
*How Many?*

**Total Due** \$ \_\_\_\_\_

Please mail to: Associate Dean, Office of Continuing Medical Education, Keck School of Medicine of USC, 1975 Zonal Avenue, KAM 317, Los Angeles, CA 90033-1039. To make course reservations, call 323-442-2555 or 800-USC-1119. Registrations may be faxed to 323-442-2152 or 888-665-8650 (toll free). Courses are subject to cancellation. Please check with the CME office for course availability if you register within 3 weeks of the starting date. **USC will not refund travel costs for canceled courses.**

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