1st Annual UCLA State-of-the-Art in Neuro-Oncology

Part 2 – Brain and Spine Metastases: A Comprehensive, Multidisciplinary Approach

Saturday, December 12, 2015
NRB Auditorium
Neuroscience Research Building
UCLA Campus
Los Angeles, California
The Brain Tumor Center at UCLA presents its inaugural 2-parts comprehensive continuing medical education (CME) program that will provide updates on emergent diagnostic and treatment modalities for the management of brain tumors from experts at the David Geffen School of Medicine at UCLA. The 1st part of this course focused on the diagnosis and management of patients with Primary Brain Tumor. The 2nd part of this course will focus on the diagnosis and multidisciplinary management of patients with Metastatic Brain and Spine Tumors, including experts in neurosurgery, radiation oncology, neuro-oncology, medical oncology, pain management, and radiology. The program will provide didactic sessions on the latest advances in diagnosis and treatment of metastatic brain and spine tumors, including a review of the current state of the art management of brain tumors including surgical resection and an array of radiation strategies. In addition, we will explore new and merging techniques for cranial metastases, including novel imaging, MR-guided laser ablation, hyperbaric oxygen therapy, neoadjuvant radiation, and emerging chemotherapeutic strategies for metastatic brain tumors. Finally, we will explore the multimodal management of spinal metastases, including radiation, surgery, pain management, brachytherapy, and RF ablation. This format is intended to encourage and ensure audience participation in discussion of the cases.

**Course Description**

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

- Recommend the most recent diagnostic, surgical, and pathological advances in the evaluation of patients with metastatic brain and spine tumors
- Understand standard and emerging treatments for patients with metastatic brain tumors
- Describe multimodal management of spinal metastases, including surgery, radiation, and pain management

**Course Objectives**

This course is targeted towards Neurosurgeons, Medical Oncologists, Radiation Oncologists, Neurologists, Allied-health professionals, Neurosurgery, Neurology, and Oncology residents and fellows.
COURSE DIRECTORS

Tania B. Kaprealian, MD  
Radiation Oncology Director of  
Radiosurgery Program  
Chief of CNS Service  
Assistant Clinical Professor*  
Department of Radiation Oncology

Nader Pouratian, MD, PhD  
Neurosurgical Director of Radiosurgery  
Associate Professor of Neurosurgery and Radiation Oncology*

FACULTY

Bartosz Chmielowski, MD, PhD  
Assistant Clinical Professor*  
Division of Hematology - Medical Oncology  
Department of Medicine

Robert Chin, MD, PhD  
Assistant Clinical Professor*  
Department of Radiation Oncology

Benjamin M. Ellingson, PhD, MS  
Associate Professor of Radiology, Biomedical Physics, Psychiatry, and Bioengineering*  
Director, UCLA Brain Tumor Imaging Laboratory  
Co-Director, UCLA Center for Computer Vision and Imaging Biomarkers  
Division of Neuroradiology and Magnetic Resonance Physics  
Department of Radiological Sciences and Psychiatry

Mitchell Kamrava, MD  
Assistant Professor of Radiation Oncology*  
Chief of Brachytherapy Division

Linda M. Liau, MD, PhD  
Director, UCLA Brain Tumor Program  
Professor and Vice Chair of Research*  
UCLA Department of Neurosurgery

Daniel C. Lu, MD, PhD  
Associate Professor*  
UCLA Department of Neurosurgery

P. Leia Nghiemphu, MD  
Director of Neuro-Oncology Clinical Services, UCLA Neuro-Oncology Program  
Associate Clinical Professor*  
Department of Neurology

Olga Olevsky, MD  
Assistant Clinical Professor of Medicine*  
Division of Hematology/Oncology

Susan Sprau, MD, MACP, FCCP, FAASM  
Clinical Professor of Medicine*  
Medical Director, UCLA Center for Hyperbaric Medicine

J. Pablo Villablanca, MD, FACR  
Professor, Diagnostic Neuroradiology*  
Director, Interventional Spine Service  
Medical Director of MRI

Irene Wu, MD  
Assistant Director  
UCLA Comprehensive Pain Center  
Assistant Clinical Professor*  
Department of Anesthesiology

*David Geffen School of Medicine at UCLA
7:30 Breakfast and Registration

8:30 Welcome and Introduction
Tania B. Kaprealian, MD and Nader Pouratian, MD, PhD

CRANIAL METASTASES

8:40 The Impact of Brain Metastases
P. Leia Nghiemphu, MD

9:00 Radiosurgery for Brain Metastases: How Many is Too Many?
Tania B. Kaprealian, MD

9:20 Surgical Resection: Improving Extent of Resection and Minimizing Recurrence
Linda M. Liau, MD, PhD

9:40 Whole Brain Radiation: Novel Approaches to Minimize Toxicity
Robert Chin, MD, PhD

10:00 Multimodal Approach to Leptomeningeal Disease
Olga Olevsky, MD

10:20 Break

NEW AND EMERGING TECHNIQUES FOR CRANIAL METASTASES

10:40 Advanced Imaging of Brain Metastases: PET, Perfusion, PH and Beyond
Benjamin M. Ellingson, PhD, MS

11:00 MR-Guided Laser Ablation for Progression and Necrosis
Nader Pouratian, MD, PhD

11:20 Hyperbaric Oxygen Therapy for Radiation Necrosis
Susan Sprau, MD, MACP, FCCP, FAASM

11:40 Pulsed Chemotherapy, Immunotherapy, and the Abscopal Effect
Bartosz Chmielowski, MD, PhD

12:00 Neoadjuvant Radiation for Brain Metastases
Nader Pouratian, MD, PhD

12:20 Lunch
SPINAL METASTASES

1:30  Spinal Radiosurgery: Proven and Emerging Strategies
     Tania B. Kaprealian, MD

1:50  Evolving Surgical Strategies for Spine Metastases
     Daniel C. Lu, MD, PhD

2:10  Pain Management for Metastatic Cancer
     Irene Wu, MD

2:30  Brachytherapy for Spinal Metastases
     Mitchell Kamrava, MD

2:50  Radiofrequency Ablation for Recurrent Disease in the Setting of Radiation Failure
     J. Pablo Villablanca, MD, FACP

3:10  Closing Remarks

3:30  Adjourn
Fee
$100  Physicians
$75  Nurses and Allied Health Professionals
$25  Fellows and Residents

Refunds
Cancellations must be received in writing by Friday, November 13, 2015 and will be subject to a $50 processing fee. No refunds will be granted after that date. If, for any reason, the course must be cancelled, discontinued, or rescheduled by the Office of Continuing Medical Education, a full refund will be provided.

Enrollment
By Mail
Use the form attached. Mail to the UCLA Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, Brain and Spine Metastases Symposium, 10920 Wilshire Blvd., Ste. 1060, Los Angeles, CA 90024-6512.

Online
Go to www.cme.ucla.edu/courses, click on 1st Annual UCLA State-of-the-Art in Neuro-Oncology, Part 2-Brain and Spine Metastases: A Comprehensive, Multidisciplinary Approach, and click on the registration information section. You may use your MasterCard, VISA, American Express or Discover card to register online.

By Phone
Use your American Express, MasterCard, VISA or Discover card.
Call (310) 794-2620.

By FAX
Send the completed enrollment form with credit card information and authorizing signature.
Fax (310) 794-2624.

Program Location
NRB Auditorium
Neuroscience Research Building
635 Charles E. Young Drive South
Los Angeles, CA 90095

Directions and Parking
From the 405 freeway, exit on Wilshire Blvd. East. Proceed on Wilshire Blvd. to Westwood Blvd. and make a left. Proceed north on Westwood Blvd., turn right on Charles E. Young Drive South and continue ½ a block. Turn left into Lot 9. There will be an attendant selling permits from 7:00 am-9:00 am. If you arrive outside of this time frame please report to the parking kiosk on Westwood Plaza to pay for your parking permit. Parking is $12.

Accreditation
The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA designates this live activity for a maximum of 5.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosure Statement
The FDA has issued a concept paper which classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is “truly independent” and free of commercial influence. In addition to independence, the FDA requires that nonpromotional, commercially supported education be objective, balanced, and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program’s participants. In addition, Accreditation Council for Continuing Medical Education policy now mandates that the provider adequately manages all identified potential conflicts of interest prior to the program. We at UCLA fully endorse the letter and spirit of these concepts.
Mail Application for Enrollment

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<td>1st Annual UCLA State-of-the-Art in Neuro-Oncology</td>
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<td>Part 2 – Brain and Spine Metastases: A Comprehensive, Multidisciplinary Approach</td>
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Registration Fees:

- $100 Physicians
- $75 Nurses and Allied Health Professionals
- $25 Fellows and Residents

Please print clearly, and remember to include your credit card number and authorizing signature.

Last four digits of your Social Security Number

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<th>Name (First/Middle/Last)</th>
<th>Degree</th>
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Preferred Mailing Address

City/State/ZIP

Area Code    Daytime Phone

Area Code    FAX    E-mail

Specialty

Charge: □ MasterCard    □ Visa    □ Discover    □ American Express

Name of cardholder

Authorizing Signature

Expiration (Mo/Yr)

Mail to: Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, Brain and Spine Metastases Symposium, 10920 Wilshire Blvd., Suite 1060, Los Angeles, CA 90024-6512.
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