The attendee will be able to:

- outline strategies to avoid addiction to pain medications while providing adequate pain control
- understand indications for and realistic expectations of outcomes in common spinal surgeries
- understand the rationale for initial interventions in management of traumatic brain injury
- understand neuropsychological and neurophysiological techniques used to diagnose concussive syndromes in athletes
- understand the latest brain imaging techniques and their impact in the management of acute stroke patients
- discuss the impact of insufficient sleep on overall health
- understand the surgical indications and techniques used to restore function after peripheral nerve injury
- understand indications and latest radiosurgical techniques used to treat brain metastases
- understand surgical techniques employed in treatment of epilepsy and how scientific questions can be explored during these surgeries
- discuss indications and recent outcomes of deep brain stimulation in the treatment of early stages of Parkinson’s disease
- understand the current surgical techniques used in implantation of deep brain stimulators and associated risks
- discuss the programming strategies used to optimize the efficacy of deep brain stimulation and understand common side-effects of stimulation experienced by patients

Educational grant for this CME conference provided by Medtronic Corporation and Huntington Memorial Hospital
**Conference FACULTY**

Roy Ashford, MD  
Director, Congress Medical Spine Surgery Institute  

Jennifer Birch, ACNP-BC  
Nurse Practitioner, Movement Disorders Coordinator, Huntington Memorial Hospital  

Justin Brown, MD  
Director, Neurosurgery Peripheral Nerve Program and Co-Director, Center of Neurophysiology & Restorative Neurology, University of California, San Diego  

David Charles, MD  
Professor and Vice Chairman of Neurology, Chief Medical Officer, Vanderbilt Neuroscience Institute  

Holly Edge-Booth, PhD  
Clinical Psychologist, Pasadena Neuropsychology and Southern California Neurology Consultants  

Hilary Fausett, MD  
Foothill Center for Wellness and Pain Management  

Igor Fineman, MD, FACS  
Director, Functional Stereotactic Neurological Surgery, Huntington Memorial Hospital  

Albert C. Mak, MD  
Medical Director, Radiation Oncology, Pasadena Cyberknife Center  

Yafa Minazad, DO  
Medical Director, Neurophysiology & Intraoperative Monitoring, Huntington Memorial Hospital  

Amal Obaid, MD  
Medical Director, Trauma Service, Huntington Memorial Hospital  

Arbi Ohanian, MD  
Medical Director, Stroke Center, Huntington Memorial Hospital  

Leonard Petrus MD  
Department of Radiology, Huntington Memorial Hospital  

Jai H Rho, MD, PhD  
Department of Neurology, Huntington Memorial Hospital  

Ian Ross, MD, FACS  
Director, Neurovascular Surgery and Epilepsy Surgery, Huntington Memorial Hospital  

**Conference AGENDA**

7:30 a.m.  
CONTINENTAL BREAKFAST  

7:55 a.m.  
Opening Remarks  

8:05 a.m.  
Desire, Addiction and Obsession in the World of Pain Medicine  
Hilary Fausett, MD  

8:35 a.m.  
Back Surgery: Separating Myth from Reality  
Roy Ashford, MD  

9:05 a.m.  
Traumatic Brain Injury: Dos & Don’ts  
Amal Obaid, MD  

9:35 a.m.  
BREAK  

9:45 a.m.  
Concussions in Athletes: Current Treatment Trends  
Yafa Minazad, DO, and Holly Edge-Booth, PhD  

10:30 a.m.  
Stroke: The Ever Changing Penumbra  
Arbi Ohanian, MD, and Leonard Petrus, MD  

11:15 a.m.  
How Does Insufficient Sleep Affect Your Health?  
Jai H Rho, MD, PhD  

11:45 a.m.  
Restoring Function After Neurological Injury  
Justin Brown, MD  

12:30 p.m.  
LUNCH  

1 p.m.  
Optimal Management of Brain Metastasis: The Radiation Oncology Perspective  
Albert C. Mak, MD  

1:30 p.m.  
Recent Trends in Epilepsy Surgery and Opportunities for Research  
Ian Ross, MD, FACS  

2 p.m.  
Deep Brain Stimulation in Early Stages of Parkinson’s Disease  
David Charles, MD  

2:45 p.m.  
Deep Brain Stimulation: Lessons from Our First 330 Surgeries  
Igor Fineman, MD, FACS  

3:10 p.m.  
A Glimpse at Deep Brain Stimulator Programming: The Patient’s Perspective  
Jennifer Birch, RN, MSN, ACNP-BC  

3:40 p.m.  
Closing Remarks and Evaluations  

**Conference REGISTRATION**

To register for this complimentary event, please complete the following registration form and mail or fax by October 9, 2013 to:  

Raymond Neurosurgery and Spine  
Attn: Jennifer Birch, ACNP-BC  
630 S. Raymond Ave. Suite 301  
Pasadena CA, 91105  
Fax (626) 535-9505  
Phone (626) 535-9552  
Or e-mail the following information to:  
jbirchnp@raymondneurosurgery.com  

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This activity has been planned and implemented in accordance with the Institute in accordance with the Institute for Medical Quality and the Californian Medical Association’s CME Accreditation through the Joint Sponsorship of Huntington Memorial Hospital in Pasadena and the Huntington Movement Disorders Program.  

Huntington Memorial Hospital designates this educational activity for a maximum of 8.0 AMA PRA Category 1 credits. Physician should only claim credits commiserate with the extent of their participation in the activity.