

What's New in Neurologic Rehabilitation:

**“Where we are, where we have been,
and where we need to go”**



Saturday, November 14, 2009

**Presented by
Rancho Los Amigos National Rehabilitation Center
and the Rancho Los Amigos Foundation
Downey, California**

Rancho Los Amigos National Rehabilitation Center and the Rancho Los Amigos Foundation Present

The 2009 Neurologic Rehabilitation Conference

NOVEMBER 14, 2009

Audience:

- ★ Physicians, Psychologists, Nurses, Rehabilitation Therapists and Biomedical Engineers

Learning Objectives:

- ★ Understand the concept of brain plasticity and its role in 21st century rehabilitation practice
- ★ Understand developmental disorders and therapeutic options in practice and undergoing active clinical research
- ★ Understand the role of neuroimaging in measuring neuroplasticity
- ★ New experimental and emerging evidence for rehabilitation therapies that lead to improved recovery of function and quality of life
- ★ The role of biomedical engineering in clinical practice and in advancing the field of rehabilitation
- ★ Advances in epilepsy management
- ★ Advances in stroke management (acute and rehabilitation)
- ★ Cognitive skill loss; what is Alzheimer's disease; what are other conditions that cause memory disorders and the latest therapeutics

Course Description:

This comprehensive conference will feature interdisciplinary approaches in neurologic rehabilitation. The conference will provide tools and resources that will assist the clinician to better understand the latest evidence-based advances in neurological rehabilitation and apply them in their practice.

This course is approved for 5.4 CEU Contact Hours (BRN Provider Number 00786)

This course is approved for 4.5 CME Contact Hours

Instructor/Speaker Disclosure: Other than Drs. Chui, Dobkin and Winstein, presenters are Rancho Los Amigos National Rehabilitation Center Professional Staff.

Conference Cost:

- ★ Early Bird—\$50 if paid before November 2, 2009
- ★ \$75 if paid after November 2, 2009

This conference
is made
possible by
a grant from
L.A. Care Health Plan



CONFERENCE AGENDA

TIME	TOPIC	PRESENTER
8:00-9:00	◆ Registration & Continental Breakfast	
9:00-9:05	◆ Welcome	Jorge Orozco
9:05-9:15	◆ Introduction	Mindy Aisen, MD
9:15-9:45	◆ Advances in the Management of Acute Stroke	Amytis Towfighi, MD
9:45-10:15	◆ Neuroplasticity and the future of neuro rehabilitation	Bruce Dobkin, MD
10:15-10:45	◆ Rehabilitation Therapies in the 21st Century	Carolee Winstein, PhD, PT, FAPT Lilli Thompson, PT, NCS, ATP
10:45-11:00	◆ Morning Break	
11:00-11:30	◆ Advances in Pathokinesiology and its use in assessing motor and gait and functional improvement in persons with spinal cord injury	Sara J. Mulroy, PT, PhD
11:30-12:00	◆ Advances in treating pain, spasticity, genitourinary symptoms in conditions involving damage to the spinal cord	Michael Scott, MD
12:00-1:00	◆ Lunch and Speaker Roundtable	
1:00-1:30	◆ Alzheimers and other dementias: new therapies and the potential role(s) for rehabilitation and improving quality of life and participation	Helena Chui, MD
1:30-2:00	◆ Rancho's biomedical engineering research and research capacity	Phil Requejo, PhD
2:00-2:15	◆ Afternoon Break	
2:15-2:45	◆ Cerebral Palsy: research and best practices	Mindy Aisen, MD
2:45-3:15	◆ Epilepsy: breakthroughs in management and the role of the new therapeutics in traumatic brain injury	David Millett, MD, PhD Susan Shaw, MD
3:15-4:00	◆ Networking Reception	Conference Presenters & Attendees

CONFERENCE REGISTRATION FORM

Rancho Los Amigos National Rehabilitation Center 2009 Neurorehabilitation Conference—November 14, 2009

WHERE: Rancho Los Amigos National Rehabilitation Center
7601 East Imperial Highway, Downey, CA 90242
Support Services Annex (SSA), Room #1150
(adjacent to the parking structure)



FEE:

- Early bird—\$50 if paid before November 2, 2009
- \$75 if paid after November 2, 2009

Includes course materials, lunch, beverages and snacks, free parking and a certificate of attendance

REGISTRATION DEADLINE: Friday, November 6, 2009

Name: _____

Address: _____

Employer: _____

Professional Occupation: _____ License Number _____

Home #: _____ Work #: _____

E-mail Address: _____

Amount Enclosed: _____ Check #: _____

Credit Card: MC Visa AmEx Signature: _____

Credit Card #: _____ Expiration Date: _____

- Send check or credit card number with registration form to:

Rancho Los Amigos Foundation

P.O. Box 2370

Downey, CA 90242

email: ranchoneuroconference@gmail.com Phone: (562) 401-7976 • Fax: (562) 401-6856

- Please make checks payable to the Rancho Los Amigos Foundation
- For questions regarding the conference, please call (562) 401-7976.

This event is accessible to and usable by people with disabilities.

For special assistance, please call (562) 401-7976

RANCHO LOS AMIGOS NATIONAL REHABILITATION CENTER'S
NEUROREHABILITATION CONFERENCE
NOVEMBER 14, 2009

SPEAKER BIOSKETCHES

MINDY AISEN, M.D.

Dr. Aisen received her Bachelor's degree in mechanical engineering from MIT in 1976 and her medical degree in 1980 from Columbia University. She is board certified in Neurology and has a certification in neurorehabilitation. She has extensive clinical and research experience in the areas of multiple sclerosis, spinal cord injury, and cerebral palsy. She has authored many publications and given numerous lectures on these subjects. She is currently the Chief Medical Officer of Rancho Los Amigos National Rehabilitation Center.

HELENA CHUI, M.D.

Dr. Chui received her medical degree from Johns Hopkins University in 1977. Her residency and fellowship were both in Neurology at the University of Iowa College of Medicine. She is a world-renown expert on Alzheimer disease and dementia. She has conducted a multitude of grant-funded research projects totaling millions. She is a prolific author and lecturer, speaking internationally several times a year. She has been the director of the Alzheimer Research Center of California at Rancho Los Amigos and is now the director of the Alzheimer Disease Research Center at USC. She currently is Chair, Department of Neurology USC Keck School of Medicine.

BRUCE DOBKIN, M.D.

Dr. Dobkin received his degree from Temple University in 1973 and has been board certified in Neurology since 1979. Since 1989 he has been Professor of Neurology at UCLA and director of their Neurologic Rehabilitation and Research Program. He has served in leadership on several national organizations including the American Society of Neurorehabilitation and the National Institutes for Health. He has extensive research experience in the areas of neurorehabilitation. He has numerous published articles and is currently the editor-in-chief of *Neurorehabilitation and Neural Repair*.

DAVID MILLETT, M.D.

Dr. Millett received his medical degree from Pritzker School of Medicine in 2001 and completed his residency at UCLA four years later. He is board certified in Neurology and is Director, Epilepsy Monitoring Program at Rancho Los Amigos. His research interest is in the area of classifications, diagnosis, prognosis, and treatment of the epilepsies and is currently involved in a NIH research grant, "Brain Waves: EEG and the history of clinical neuroscience". He is author of several peer-reviewed articles, chapters, and book.

SARA J. MULROY, PHD, PT

Dr. Mulroy received her doctorate in Biokinesiology/Physical Therapy from USC in 1995. She received her Bachelor of Science in 1981 and has been a clinical instructor and therapist since then. She is on faculty in the Biokinesiology and Physical Therapy Department at USC and is currently the director of the Pathokinesiology Laboratory at Rancho Los Amigos. She has received research grants on the topic of shoulder pain in spinal cord injury and has published numerous articles from this research.

PHIL REQUEJO, PHD

Dr. Requejo received his doctorate in Kinesiology/Biomechanics/Engineering from USC in 2002. Previously he earned a Bachelor of Science from California State University, Long Beach in Electrical Engineering with an emphasis on digital systems, controls, and biomedical engineering. He is involved with several research grants focusing on the application of engineering principles to the area of rehabilitation and related research, including utilization of computer modeling and simulation methods to study the effect of human multi-joint control strategies on mechanical loading of the musculoskeletal systems. He is co-director of the Rehabilitation Engineering Research Center (RERC) of Successful Aging with a Disability at Rancho Los Amigos.

MICHAEL SCOTT, M.D.

Dr. Scott received his medical degree from Charles R. Drew University of Medicine and Science in 1989. He completed his Physical Medicine and Rehabilitation residency at MetroHealth Medical Center/Case Western Reserve University in 1993. Dr. Scott is board certified in Physical Medicine and Rehabilitation with a sub-specialty in Spinal Cord Medicine. His area of expertise is in spinal cord injury and has conducted several research studies on this topic. He has authored several peer-reviewed publications and is currently Chair of the Department of Neurorehabilitation at Rancho Los Amigos.

SUSAN SHAW, M.D.

Dr. Shaw graduated in 2003 with a medical degree from Northwestern University and completed a Neurology residency at UCLA then a fellowship in Epilepsy/Clinical Neurophysiology at Johns Hopkins University. She is board certified in Neurology with a sub-specialty in Clinical Neurophysiology. She is involved in a research grant investigating the distribution and functional connectivity of language cortex prior to epilepsy surgery. She has published several articles and chapters. She currently is a Physician Specialist in Neurology at Rancho Los Amigos and Clinical Assistant Professor, Department of Neurology at USC.

LILLI THOMPSON, PT

Ms. Thompson received her Bachelor of Science in Physical Therapy in 1988. She is a board certified Neurologic Clinical Specialist and received certification as an Assistive Technology Practitioner by Rehabilitation Engineering and Assistive Technology Society of North America (RESNA). Her areas of expertise include spinal cord injury and aging with a disability. She has several articles published in peer-reviewed journals in these topics. She was the training director on a federally-funded research center on aging with spinal cord injury and is currently the Chief of Physical Therapy and Director of the Rehabilitation Therapy Division at Rancho Los Amigos National Rehabilitation Center.

AMYTIS TOWFIGHI, M.D.

Dr. Towfighi received her medical degree from Johns Hopkins University in 2002 and is a board certified in both Neurology and Vascular Neurology. Her area of expertise is stroke epidemiology and acute stroke interventions. She is the Principal Investigator on several stroke research grants at Rancho Los Amigos.

CAROLEE WINSTEIN, PHD, PT

Dr. Winstein received her doctorate in Kinesiology from UCLA in 1988 and has been a clinical therapist since 1973. She is currently Professor, Director of Research, Biokinesiology and Physical Therapy at USC. She has extensive research experience using technologies to improve recovery and provide therapeutic interventions for people living with a disability. She is the author of numerous peer-reviewed articles in these areas. She is currently director of the Rehabilitation Engineering Research Center (RERC) on Successful Aging with a Disability at USC and Rancho Los Amigos.