

# Effective Practice in NeuroRehabilitation

May 19, 2010

Dixon University Center  
2986 North Second Street  
Harrisburg, PA

**PARF**

PENNSYLVANIA ASSOCIATION OF  
REHABILITATION FACILITIES

**HAP**

THE HOSPITAL & HEALTHSYSTEM  
ASSOCIATION OF PENNSYLVANIA

## PROGRAM

The objective of this one-day conference is to provide to rehabilitation professionals and managers the current thinking about various issues in the practice of neurorehabilitation.

The program will focus on effective medical rehabilitation practice in managing patients recovering from stroke, traumatic brain injury, and neurological disorders. Evidence-based presentations will provide key members of the medical rehabilitation team with new information on effective practices.

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8:00 AM - 8:45 AM	<b>Registration and Continental Breakfast</b>
8:45 AM - 9:00 AM	<b>Welcome</b> Gene Bianco, President, PARF Melissa Dehoff, Director, HAP
9:00 AM - 10:15 AM	<b>The Role of Psychotherapy in Neurorehabilitation</b> Dixon H. Miller, Ph.D. Director of Neuropsychology Services Acadia, Inc.
10:30 AM - 11:45 AM	<b>Disorders of Consciousness: Current Status and Future Potential</b> Robin Myers, P.T., D.P.T., N.C.S Neurologic Physical Therapy Residency Director MossRehab Hospital
11:45 AM - 12:45 PM	<b>LUNCH</b>
12:45 PM - 2:00 PM	<b>Developing a Scientific Basis for Neurorehabilitation</b> Michael E. Selzer, M.D., Ph.D., F.R.C.P. Director of Shriners Hospitals Pediatric Research Center, Temple University School of Medicine
2:15 PM - 3:30 PM	<b>Emerging Treatment Strategies in Neurorehabilitation</b> Andrew T. Packel, P.T., N.C.S Senior Physical Therapist MossRehab Hospital

## FEATURED PRESENTERS



**Dixon H. Miller, Ph.D.**  
**Director of Neuropsychology Services**  
**Acadia, Inc.**

Dixon H. Miller is the Director of Neuropsychology Services at Acadia, Inc., a post-acute neurorehabilitation program in Lancaster, PA. where he provides neuropsychological assessment, individual and group psychotherapy, staff training and supervision, and outpatient services. A graduate of the Rosemead Graduate School of Psychology at Biola University, he served previously as the Director of Behavioral Medicine at Lancaster General Hospital, and as founding and managing partner of Behavioral Healthcare Consultants in Lancaster.

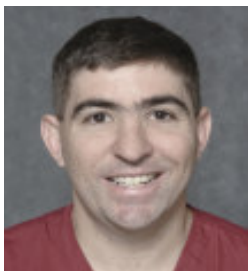
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**Robin Myers, P.T., D.P.T., N.C.S**  
**Neurologic Physical Therapy Residency Director**  
**MossRehab Hospital**

Robin Myers is the Coordinator of Professional Development and Education at MossRehab and the Director of their Neurologic Physical Therapy Residency Program. She graduated from the University of Florida in 1994 with a degree in physical therapy and received her post-professional clinical doctorate in physical therapy from the MGH Institute of Health Professions in 2009. She obtained board certification in Neurology in 2000 from the American Physical Therapy Association. Robin has extensive experience in the treatment of individuals suffering from brain injury working in both clinical and supervisory positions on the Drucker Brain Injury Center for the last twelve years. In 2007 she completed a two year research fellowship at the Moss Rehabilitation Research Institute where she participated in a variety of state and federally funded research projects involving brain injury clients.

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**Andrew T. Packel, P.T., N.C.S**  
**Senior Physical Therapist**  
**MossRehab Hospital**

Andrew T. Packel is a Senior Physical Therapist at MossRehab where he has practiced for over 13 years. He was previously the Physical Therapy Team Leader for the Drucker Brain Injury Service at MossRehab. He has received recognition from the American Board of Physical Therapy Specialties as a Neurologic Certified Specialist in 2006 and has spoken regionally and nationally on topics related to neurologic physical therapy. He is involved in several research projects and continues to work clinically with neurologic patients.

## FEATURED PRESENTERS



**Michael E. Selzer, M.D., Ph.D., F.R.C.P.**  
**Director of Shriners Hospitals Pediatric**  
**Research Center**  
**Temple University School of Medicine**

Michael E. Selzer is Director of Shriners Hospitals Pediatric Research Center at the Temple University School of Medicine and Professor of Neurology at Temple University School of Medicine. Dr. Selzer is also the Director of the NIH-funded Center for Experimental Neurorehabilitation Training (CENT), one of six such centers nationwide that serve as a Rehabilitation Research Infrastructure for the NIH's National Center for Medical Rehabilitation Research. He is also Emeritus Professor of Neurology in the Departments of Neurology and Physical Medicine and Rehabilitation at the University of Pennsylvania. From 2007-2009 he served as Director of Rehabilitation Research and Development, US Department of Veterans Affairs, Washington, DC.. Dr. Selzer obtained his M.D. and a Ph.D. in Physiology in 1968 from New York University School of Medicine, where he also interned in Medicine. After two years as an officer in the Public Health Service and research fellow at the National Institute of Neurologic Diseases and Stroke, he trained in Neurology at the University of Pennsylvania Medical Center, where he served on the faculty. He has authored over 100 research articles, chapters and reviews in the areas of neural regeneration, spinal cord injury, neurorehabilitation, epilepsy and sensory physiology. He is the former Editor-in-Chief of *Neurorehabilitation and Neural Repair* and of the *Journal of Rehabilitation Research and Development*. He was the founding Program Chair of the American Society of Neurorehabilitation and is currently the President of the World Federation for Neurorehabilitation. Dr. Selzer is the coordinating editor of the two-volume *Textbook of Neural Repair and Rehabilitation*, which was published in 2006 by Cambridge University Press and is in preparation for the second edition. He is a member of the American Neurological Association and a Fellow of the Royal College of Physicians. He is also a Fellow of the American Academy of Neurology, for which he has served as Chair of its Section on Neural Repair and Rehabilitation.

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## PRESENTATIONS

9:00 AM - 10:15 AM

**The Role of Psychotherapy in Neurorehabilitation**  
**Dixon H. Miller, Director of Neuropsychology Services**

Brain injury and disease are often life changing in their effects on individuals and their relational networks. At a minimum, they create a crisis in identity for those who have been affected. Yet, in many ways the neurocognitive impairments commonly encountered in individuals with acquired brain injury defy application of traditional psychotherapeutic strategies and techniques. This presentation will offer an emerging model of psych therapy for neurorehabilitation patients that had broad applicability, pragmatic impact and heuristic value for the developing field of neurorehabilitation. Participants will gain a clearer understanding of the limitations of traditional therapeutic approaches with this population, be introduced to this emerging model, and appreciate its utility in guiding decision making about necessary supports and levels of supervision as clients progress through the rehabilitation process.

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10:30 AM - 11:45 AM

**Disorders of Consciousness: Current Status and Future Potential**  
**Robin Myers, Neurologic Physical Therapy Residency Director**

Severe brain injury, whether the result of traumatic or nontraumatic causes, may lead to prolonged periods of unconsciousness. Following a period of coma, these periods of unconsciousness may evolve into either a vegetative state (VS), characterized by “wakeful unresponsiveness” or a minimally conscious state (MCS), characterized by inconsistent but reproducible evidence of environmental awareness. Collectively, coma, VS, and MCS are considered as disorders of consciousness (DOCs). At present, no treatments have been shown to improve recovery from the VS or MCS, either in terms of hastening the recovery or advancing the level of final outcome. This presentation will discuss the emerging treatment options currently under investigation that may provide insight into the mechanism(s) responsible for recent behavioral improvements observed in a subset of patients within this population.

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12:45 PM - 2:00 PM

**Developing a Scientific Basis for Neurorehabilitation**  
**Michael E. Selzer, Director of Shriners Hospitals Pediatric Research Center**

This presentation will discuss trends in evidence-based practice of neurorehabilitation and emphasize the lessons learned from scientific research in neurorehabilitation. The presentation will review the basics of neural repair strategies and consider the results of recent clinical trials in repairing the injured nervous system. The presentation will highlight what rehabilitation research offers to practitioners and, specifically, how developments in robotics may change the practice of rehabilitation.

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2:15 PM - 3:30 PM

**Emerging Treatment Strategies in Neurorehabilitation**  
**Andrew T. Packel, Senior Physical Therapist**

Treatment strategies in neurorehabilitation have advanced considerably over the past ten to twenty years, and the growth in this area continues to accelerate. These changes can be attributed to advances in technology combined with improving understanding of neuroplasticity, with these two factors working together in a synergistic fashion. This presentation will explore these areas, highlighting emerging technological treatments and the rationale for their use. Strategies for advancing clinical practice in neurorehabilitation, with or without the use of technology, will be offered. Video will be used to highlight emerging treatment strategies.

EFFECTIVE PRACTICE IN NEUROREHABILITATION REGISTRATION  
May 19, 2010 - Harrisburg, PA

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Title: \_\_\_\_\_ Organization: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone:(        ) \_\_\_\_\_ Fax:(        ) \_\_\_\_\_

Email: \_\_\_\_\_

Please submit registration and fee to PARF by mail, 3544 North Progress Avenue Suite 101, Harrisburg, PA 17110 by fax (717) 657-8265 or by email [parfeducation@parf.org](mailto:parfeducation@parf.org).  
Registration fee includes continental breakfast, lunch and materials.

Registration deadline is May 14, 2010. Registration is not complete and will not be processed without payment.

- \$249.00** (Members of PARF and HAP)
- \$289.00** (Non-Members)

Method of Payment:

Check: (made payable to PARF) Check Number: \_\_\_\_\_

Circle One:    Visa    MasterCard

Card Holder Name: \_\_\_\_\_

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

Exp: \_ / \_ / \_ (mm/yy) Three Digit Security Code: \_ \_ \_ Billing Zip Code: \_ \_ \_ \_ \_

***Cancellation Policy:***  
*If you need to cancel your registration, you are eligible for a 50% refund if you notify PARF by close of business five days prior to the event. Failure to provide notification by this date will result in the loss of the full registration fee. Substitutions are welcome.*