



# Stroke Recovery

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ATTENTION: Copy as needed for each attendee or print additional forms at www.summit-education.com

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Check, credit card or company purchase order MUST accompany this registration form.

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### Check the Course You Will Attend:

Eugene, OR - February 13, 2018

Medford, OR - February 14, 2018

Redding, CA - February 15, 2018

Chico, CA - February 16, 2018

### Check Your Pricing Plan

<b>"All Access" Subscription</b> <small>Unlimited Live Attendance and Unlimited Online Access for ONLY \$299.99/Year</small>		
<input type="checkbox"/> <b>SINGLE COURSE EARLY RATE</b> <b>\$219<sup>99</sup></b> /Person	<input type="checkbox"/> <b>SINGLE COURSE REGULAR RATE</b> <b>\$239<sup>99</sup></b> /Person	<input type="checkbox"/> <b>"ALL ACCESS" SUBSCRIPTION</b> <b>\$299<sup>99</sup></b> /Year
<small>IMPORTANT: To qualify for early rate, payment must be received 14 days prior to workshop.</small>		
<b>Groups 5+ Special Rates Call (615) 376-8829</b>		

### Easy Registration!

1. Online: www.summit-education.com
2. Phone: (800) 433-9570
3. Fax: (615) 376-8233
4. Mail: Summit Professional Education  
PO Box 908 | Franklin, TN 37065

Unregistered Walk-ins: Walk-ins will be charged \$259<sup>99</sup>/person, which includes a \$20 late processing fee.

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Franklin, TN 37065

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## The Continuing Education You Want - Live and Online

Presented by Peter G. Levine, author of the best-selling book "Stronger After Stroke"

# Stroke Recovery

### Techniques and Therapies to Rewire the Brain After Stroke

★★★★☆ **4.8 Instructor Avg Rating**

### About Peter Levine, RA, BA, PTA, AAS

Peter Levine is a researcher, author, clinician and science communicator, dedicated to finding and reporting on the best systems for driving post-stroke cortical plasticity. Mr. Levine is a consultant at the B.R.A.I.N. Lab at The Ohio State University, a premier center for treatment of motor deficits caused by neurological disabilities. He has been involved in stroke-specific rehabilitation research since the late 1990s, is the co-developer of modified constraint-induced therapy (mCIT), and is a former Research Associate at both the Department of Rehabilitation Sciences, University of Cincinnati Academic Medical Center and the Human Performance & Motion Analysis Laboratory at Kessler Rehabilitation Research and Education Corporation, the research arm of the Kessler Institute for Rehabilitation.

Mr. Levine has co-authored more than 60 articles and abstracts published in peer-reviewed journals including Stroke, the American Journal of Occupational Therapy, Neurorehabilitation and Neural Repair, Physical Therapy, Archives of Physical Medicine and Rehabilitation, and Topics in Stroke Rehabilitation. Mr. Levine is the author of the best-selling book Stronger After Stroke, beloved by stroke and TBI survivors alike for its easily understandable and scientifically accurate information on how to achieve optimal recovery. He has produced and presented training workshops and seminars nationally and internationally on stroke rehabilitation and neuroplasticity. He received his degree in communication from George Mason University and his degree as a physical therapist assistant from Union County College.

### Who Should Attend This Course

- Physical Therapists
- Physical Therapist Assistants
- Occupational Therapists
- Occupational Therapy Assistants
- Athletic Trainers

### Attendee Reviews

Peter was a vivid speaker who adds humor and visuals making the course more interesting and helpful! Great resources on research and effective treatment approaches!

Christine, IN

Very informative and offered a lot of treatment methods for stroke patients that we could implement in our treatment sessions.

Danielle, NY

Peter Levine was an excellent presenter. He engaged the whole class for the whole day. I learned a lot and it was very enjoyable at the same time.

Maureen, NY



### 6-Hour Live Interactive CE Course

Presented by Peter G. Levine, author of the best-selling book "Stronger After Stroke"

# Stroke Recovery

Techniques and Therapies to Rewire the Brain After Stroke

★★★★☆ **4.8 Instructor Avg Rating**

Presented by Peter Levine, RA, BA, PTA, AAS

### Benefits to Attending

- Techniques, treatments and therapies to rewire the brain after stroke
- Tools to re-establish sensation and proprioception
- Strategies to reduce spasticity by restoring executive control of the brain over spastic muscles
- Reimbursable and practical modification of Constraint Induced Therapy (mCIT), including the screening process, intervention techniques and measuring outcome
- Find free and easy-to-access stroke-specific, research-based evidence on the web
- New and emerging technological advances that will change the face of stroke rehabilitation

### Dates/Locations

- Eugene, OR**  
February 13, 2018
- Medford, OR**  
February 14, 2018
- Redding, CA**  
February 15, 2018
- Chico, CA**  
February 16, 2018



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# Stroke Recovery

## Techniques and Therapies to Rewire the Brain After Stroke

In the United States, stroke is the third leading cause of death and the leading cause of serious, long-term adult disability. It is estimated that 800,000 strokes will occur in the U.S. this year and with boomers quickly hitting and passing age 55 their risk of stroke will begin to double with each successive decade. Although neurorehabilitation therapies are commonly used to treat these patients, treatment options such as Modified Constraint-Induced Therapy (mCIT) are documented to produce better quality-of-life patient outcomes. mCIT, an evidence-based, reimbursable treatment strategy in which constraint of the non-affected upper extremity, combined with forced repetitive use of the affected upper extremity, works to improve function and performance, decreases spasticity and produces robust neuroplastic change.

This important workshop presented by clinician, researcher and author Peter Levine (Stronger After Stroke), delivers leading-edge treatment options including the most effective, reimbursable, research-driven recovery program now available to stroke patients - Modified Constraint-Induced Therapy. Participants will learn how “massed practice” is an essential component of the adequately vigorous neuroplastic change which drives successful patient outcomes and why “more is better” - more resistance, more repetitions, more speed, and more duration. The latest research findings will be discussed and participants will return to their practice able to identify appropriate candidates and structure the massing of practice at home or away from the clinical setting. From flaccidity to spasticity to function, learn what the published evidence tells clinicians and therapists about the massive neuroplastic changes needed for the fullest possible recovery!

### Learning Objectives

1. Describe three neuroplasticity-driving stroke recovery options.
2. Summarize the theory and evidence supporting cortical plasticity as a substrate for post-stroke recovery.
3. Explain forced use therapies and how they form the basis of a structured mCIT program.
4. Identify what is and what is not clinically effective for post-stroke spasticity reduction.
5. Identify reliable and valid stroke-specific outcome measures.
6. Seamlessly implement stroke-specific evidence-based practices which improve patient outcomes.
7. Effectively include leading-edge stroke rehabilitation research in a way that is both simple and free of charge.
8. Employ tools for recovery of sensation and proprioception.

### Join Our Faculty

Summit Professional Education is currently seeking qualified professionals to develop and teach workshops nationally. Visit [summit-education.com/instructor](http://summit-education.com/instructor) for more information.

### Dates/Locations

**Eugene, OR**  
February 13, 2018  
Hilton Eugene  
66 East 6th Ave  
Eugene, OR 97401  
(541) 342-2000

**Medford, OR**  
February 14, 2018  
Hilton Garden Inn Medford  
1000 Welcome Way  
Medford, OR 97504  
(541) 200-6900

**Redding, CA**  
February 15, 2018  
Hilton Garden Inn Redding  
5050 Bechelli Ln  
Redding, CA 96002  
(530) 226-5111

**Chico, CA**  
February 16, 2018  
Ramada Plaza Chico  
685 Manzanita Court  
Chico, CA 95926  
(530) 433-1636



**Group Learning**

- Groups of 5+ can save up to 65% off their annual CE costs
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### Course Outline

- I. Neuroplasticity I: Neuroplasticity Made Simple**
  - » Neuroplasticity demystified
  - » An historical perspective on neuroplasticity
  - » Rules for driving neuroplastic change
  - » Technologies for measuring neuroplastic change
- II. Neuroplasticity II: Direct Implications of Neuroplasticity on Stroke**
  - » The importance of neuroplasticity after stroke
  - » How the brain rewires after stroke
  - » Reactivating salvageable neurons after stroke
  - » Tools, treatments and therapies to rewire the brain after stroke
- III. Modified Constraint Induced Therapy (mCIT): Neuroplastic & Reimbursable**
  - » The history of constraint induced and forced use therapies
  - » An evidence-based review of constraint induced therapy
  - » Understanding learned non-use
  - » Modified Constraint Induced Therapy: a reimbursable alternative
  - » Choosing the “right candidate” for mCIT therapy
  - » Implementing a structured mCIT program
  - » Reimbursement for mCIT
- IV. Evidence-Based Stroke Recovery**
  - » Stroke-specific outcome measures: A review
  - » The research-based therapist as the ultimate stroke recovery tool
  - » How rehabilitation research establishes efficacy
  - » Easy and seamless ways to an evidence-based practice
  - » Tricks for easy access to stroke-specific rehabilitation research
- V. Spasticity Measurement, Management, and a New Vision of Spasticity Reduction**
  - » What works and what does not: a critical review
  - » Understanding spasticity: the first step in reduction
  - » Spasticity management and therapeutic strategies
  - » Spasticity measurement that can be done clinically
  - » A new perspective on tone reduction: start with the brain
- VI. Tools to Re-Establish Sensation & Proprioception**
  - » Prevalence of sensation loss after stroke
  - » Passive and active sensory recovery strategies
  - » Using technology to reestablish sensation

### Course Schedule

7:30am - Registration & Coffee  
8:00am - Workshop Begins  
11:30am - 12:30pm - Lunch On Your Own  
3:30pm - Workshop Adjourns

Your instructor will break for 15 minutes in the morning and afternoon at appropriate times.

Some facilities may charge for parking, which is at your own expense.

### Continuing Education Credit



**Occupational Therapists** - Summit Professional Education is an AOTA Approved Provider of continuing education - provider #5873. This course is offered for 0.6 AOTA CEUs (6.0 contact hours). This course contains content classified under both Domain of OT and Occupational Therapy Process. The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA.

**Physical Therapists - CA:** Summit Professional Education is approved as a continuing education provider by Sports Medicine Alliance (formally NIRE, Inc.), a CA Continuing Competency Approval Agency, provider #S-100. This workshop is approved for 6.0 Contact Hours (0.6 CEUs). **OR:** As per Oregon physical therapy licensing regulations 848-035-0030(1)(b) and (e) a course which is approved by another state physical therapy board will automatically count for continuing education credit. This course has been approved by the AR Board of Physical Therapy, 6.0 hours.

**Athletic Trainers** - Summit Professional Education (BOC AP# P3785) is approved by the Board of Certification, Inc. to provide continuing education to Athletic Trainers. This program is eligible for a maximum of 6 Category A hours/CEUs. ATs should claim only those hours actually spent in the educational program.

**Rehabilitation, Home Care and Other Professionals** - This seminar qualifies for 6.0 continuing education hours as required by many national, state and local licensing boards and professional organizations. Save your course outline and certificate of completion, and contact your own board or organization for specific filing requirements.

**Nurses** - 6.0 contact hours. **CA:** This course meets the qualifications for 6.0 hours of continuing education credit for Nurses as required by the California Board of Registered Nursing, provider #CEP 15102.

This continuing nursing education activity was approved by the Tennessee Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

This event contains intermediate level content.

#### SATISFACTORY COMPLETION

Participants must pay tuition fee, sign in, attend the entire seminar, complete an evaluation and sign out in order to receive a certificate of completion. Participants not fulfilling these requirements will not receive a certificate. Failure to sign in or out will result in forfeiture of credit for the entire workshop. No exceptions will be made. Partial credit is not available.

#### WORKSHOP HANDBOOK

Included with your registration you will receive a comprehensive manual compiled by the instructor.

#### DISCLOSURES

**FINANCIAL:** Peter Levine is compensated by Summit as an instructor and receives royalties as the author of Stronger After Stroke.  
**NONFINANCIAL:** Peter Levine is the co-developer of modified constraint-induced therapy (mCIT) and is a co-publisher of more than 60 peer-reviewed journal articles on various topics related to stroke recovery.

#### SCOPE OF PRACTICE

Workshop content is not intended for use by participants outside of the regulatory scope of practice of their license(s). You are responsible for knowing what lies within and without your professional scope of practice.

Have continuing education credit questions? Please email our CE Department at [customerservice@summit-education.com](mailto:customerservice@summit-education.com) for the latest approval status.



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#### THE SUMMIT GUARANTEE

Summit Professional Education is a national leader in high-quality educational products and services for today's professional. Our seminars and training programs are designed to help professionals achieve improved performance and results in all areas. Our faculty is the “best of the best” in their fields of expertise, providing programs that really make a difference to participants. If for any reason you are not satisfied with the program, simply notify the registrar of your intent to withdraw from the program prior to the first morning break, turn in your workshop materials and receive a 100% refund or credit on a future program.

#### REGISTRATION, CONFIRMATION & CERTIFICATES

Confirmations of registration will be sent via email. A copy of your registration confirmation

will serve as your receipt for fees paid at the time of registration. Walk-ins are welcome but must register onsite. Please notify us at least thirty (30) days in advance if you have special needs or require assistance. Certificates are mailed to the seminar location 5 business days in advance. If your certificate is not available the day of the seminar, please complete a certificate request onsite and a copy will be sent to you. Hotel locations must occasionally be adjusted. Please provide an email address and phone number to receive any important updates.

#### SUBSTITUTION & CANCELLATION POLICY

Substitutions may be made at any time. Requests for cancellation must be received in writing by fax or mail ten (10) days prior to the seminar in order to receive a refund less a \$20.00

administrative charge per canceled attendee. If the cancellation is made within ten days or less, refunds will not be granted for any reason; instead, credit will be given equal to the amount paid that may be used toward the purchase of any product offered by Summit. Account credits are transferable and any unused account balance expires one year from the date of issuance. In cases of inclement weather where the seminar is conducted as scheduled but you are unable to attend, you may request a credit (which expires after one year) that may be used for any product Summit has to offer. If we must cancel or change the seminar for any reason, our liability is limited to the cost of tuition. If you register and do not attend, you are still responsible for payment.

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