This 15 hour, 2 day class is designed to update attendees on the latest evidence and clinical application of therapeutic neuroscience education for patients in pain.

Current best evidence has shown that neuroscience educational strategies utilizing neurobiology and neurophysiology are able to reduce pain, increase function, reduce fear and catastrophization, improve movement and change cognitions and brain activation during pain experiences. Therapeutic neuroscience education changes patient beliefs regarding their pain, thus reducing the threat of pain.

This class will discuss the evolution of therapeutic neuroscience education, why neuroscience education is needed in patient care and, more importantly, the clinical application and implementation of therapeutic neuroscience education for patients with acute, sub-acute and chronic pain. Special features include various metaphors, images, examples and case studies explaining neuroscience to patients in pain. In addition the class will cover clinical issues such as compliance, pacing exercise and activity, incorporation of therapeutic neuroscience education with traditional movement based therapy, billing and insurance reimbursement concerns and delivering therapeutic neuroscience education in busy, time-constrained clinical environments.

This class is a must for all professionals dealing with patients in pain.

Upon completion of this class, attendees will:
1. Discuss the latest evidence for therapeutic neuroscience education
2. Demonstrate the clinical ability to apply therapeutic neuroscience education to clinical practice with the use of at least one metaphor shared in class
3. List at least half of the output systems discussed in class and their response in a chronic pain patient
4. List potential strategies to implement therapeutic neuroscience into clinic practice regarding time, staff, billing and traditional therapeutic treatments
5. Design a treatment plan for a chronic pain patient based on output system dysfunctions with correct pain neurophysiological reasoning behind the treatment with information provided in the course

Day 1: SATURDAY 8AM – 6PM
8:00 – 8:15 Introduction and Welcome
8:15 – 9:15 Our Patient and Our Reasoning
9:15 – 10:00 Cognitions and Pain
10:00 – 10:15 Break
10:15 – 11:00 Education Patients
11:00 – 12:30 Therapeutic Neuroscience Education: Nociception and Pain
12:30 – 1:30 Break
1:30 – 3:00 Therapeutic Neuroscience Education: Neuropathic Pain
3:00 – 4:15 Therapeutic Neuroscience Education: Central Sensitivity
4:15 – 4:30 Break
4:30 – 6:00 Therapeutic Neuroscience Education: Multiple Output Mechanisms defending

Day 2: SUNDAY 8AM - 4PM
8:00 – 8:15 Recap and review from day 1
8:15 – 10:00 Clinical Application: Step-by-Step education for patients in pain
10:00 – 10:15 Break
10:15 – 11:00 Clinical Application: Step-by-Step education for patients in pain (cont).
11:00 – 12:00 Clinical Issues: Time, duration, billing, other therapy, frequency and more...
12:00 – 1:00 Lunch
1:00 – 2:30 Therapy for Pain: Exercise, Movement and more...
2:30 – 2:45 Break
2:45 – 3:45 Case Study: “Everything Hurts; Nothing helps” – putting it all together
3:45 – 4:00 Summary, Questions and Finish

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Adriaan Louw, PT, PhD, CSMT

Adriaan, co-founder and CEO of ISPI, earned both an undergraduate as well as a master’s degree in research and spinal surgery rehabilitation from the University of Stellenbosch in Cape Town, South Africa. He is a guest lecturer/adjunct faculty at Rockhurst University, St. Ambrose University and the University of Las Vegas Nevada. In addition, he maintains a clinical practice and is co-owner of The Ortho Spine and Pain Clinic in Story City, Iowa. Adriaan has been teaching postgraduate, spinal manual therapy and pain science classes throughout the US and internationally for 15 years. He is a Certified Spinal Manual Therapist through ISPI. In addition, Adriaan has presented at numerous national and international manual therapy, pain science and medical conferences and has authored and co-authored articles, books and book chapters related to spinal disorders and pain science. Recently, Adriaan completed his Ph.D. which centers on therapeutic neuroscience education and spinal disorders.

International Spine and Pain Institute

The International Spine and Pain Institute (ISPI) is a seminar company based in the United States of America which creates and implements cutting edge, high quality and research based education and resources for physical therapists related to spinal disorders, orthopedics, and neuroscience. ISPI believes in creating a superior educational experience by using up to date research material and implementing it into clinical practice. ISPI achieves this by combining sound clinical reasoning, manual therapy, and neuroscience in order to educate and support healthcare providers with real life clinical issues. This is achieved through weekend continuing education courses and evening lectures, a certification process, conference presentations and more. ISPI continually strives to promote, enhance, and energize the physical therapy profession.

This Course is Open to the Professional Designations of PT, PTA, OT, COTA, PA, MD, DO, RN, ARNP, DPM, GP.

This course is approved for 15 hours (1.5 CEUs) for PT and PTA and 15.0 AMA PRA Category 1 Credits.

Registration Information

Neuroscience Education - East Valley Spine & Sports Medical Center | June 6 & 7 | Registration Cost: $475

NAME | PROFESSION | LICENSE NUMBER

ADDRESS

CITY | STATE | ZIP CODE

PHONE | FAX

E-MAIL (REQUIRED)

PAYMENT: CREDIT CARD NUMBER | EXP. | 3 DIGIT SECURITY CODE | OR | CHECK #

SIGNATURE

If the credit card does not correspond to the above address, please provide the billing address. Make checks payable to: International Spine & Pain Institute

Certification Policy: CEUs for Physical Therapy are applied for only in the state in which the course is being held, with the exception of certified ProCert states. CEUs applied for via ProCert for 15 contact hours (1.5 CEUs). ProCert approval is accepted in the following states—AL, AZ, CA, DE, DC, GA, IN, KS, KY, MT, NE, NC, OR, SC, TN, UT, VT, VA and WI. Certificate of Attendance will be issued to participants upon achieving 70% competency of proficiency assessment at the completion of the course. MD: This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Iowa Medical Society (IMS) through the joint providership of Des Moines University (DMU) and the International Spine & Pain Institute (ISPI). DMU is accredited by IMS to provide continuing medical education for physicians. DMU designates this live activity for a maximum of 15.0 AMA PRA Category 1 Credit(s). Physicians should claim only the credit commensurate with the extent of their participation in the activity. DO: This activity has been planned and implemented in accordance with the standards and policies of the American Osteopathic Association (AOA) through the joint sponsorship of DMU and ISPI. DMU is accredited by the AOA and approves this live activity for a maximum of 15.0 hours of AOA Category 2-A CME credit(s). Nurses: DMU continuing education (provider #122) is approved by the Iowa Board of Nursing as an accredited provider. This live activity has been reviewed and approved for 18.0 continuing education contact hours. No partial credit awarded. Other: This live activity is designated for 15.0 AMA PRA Category 1 Credit(s). Cancellation policy: If written notification of cancellation is received to ISPI prior to the course start date, the participant may receive a letter of credit for the full amount, substitute someone in their place, or transfer to another course within 12 months of the cancellation without penalty. No monies will be refunded for cancellations. If the participant registered using a letter of credit, or if the participant has been transferred from another course, and the participant cancels, no other letter of credit will issued. All credits are forfeited. No money or credit will be issued for “no shows” at the course nor for cancellation any time after the course start date. Institute Cancellation: If ISPI cancels the course due to unforeseen circumstances or if the minimum number of participants to hold the course is not met, full refunds will be awarded to registered participants. If, while the course is in progress, the course is interrupted by an “act of God” or other unforeseen circumstances, no refunds will be issued. ISPI is not responsible for any costs incurred by course participant in the event of an institute cancellation, including airline tickets.

Register online at www.ispinstitute.com

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