

Today's Journey

- Structure of Group Medical Visit Model
- · Value of Modern Pain Science Education
- · Review of Old Pain Science
- Discuss Modern Pain Science
- Explain Pain: Understanding Pain using tools from Lorimer Moseley and David Butler
- Yoga Practice for Pain Management
- · Patient Testimonials

Group Medical Visit Model

medical needs or conditions

• Meet for an extended appointment with a health care provider



Group Medical Visits

"...is Medicare payment for CPT code 99213, or other similar evaluation and management codes, dependent upon the service being provided in a private exam room or can these codes be billed if the identical service is provided in front of other patients in the course of a shared medical appointment?"

From AAFP website

Group Medical Visits

The response from CMS was

"...under existing CPT codes and Medicare rules, a physician could furnish a medically necessary face-to-face E/M visit (CPT code 99213 or similar code depending on level of complexity) to a patient that is observed by other patients. From a payment perspective, there is no prohibition on group members observing while a physician provides a service to another beneficiary." The letter went on to state that any activities of the group (including group counseling activities) should not impact the level of code reported for the individual patient.

Group Medical Visits

Some private payers have instructed physicians to bill an office visit (99201-99215) based on the entire group visit. For compliance purposes, we recommend that you ask for these instructions in writing and keep them on file as you would any other advice from a payer.

Where each individual patient is provided a medically necessary, one-on-one encounter, in addition to the time in the group discussions, there should be no problem in billing for the visit based solely on the documented services provided in a direct one-on-one encounter.

Modern Pain Science and Yoga Group Medical Visit Format

90 minute class

• 45 minutes: pain education
• 45 minutes: movement: gentle yoga/meditation



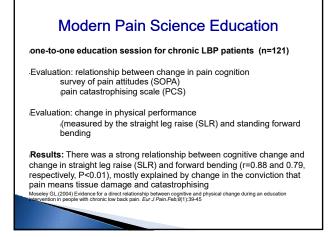


Modern Pain Science Education

.8 studies comprising 6 high-quality RCTs, 1 pseudo-RCT, and 1 comparative study involving 401 subjects

CONCLUSIONS: For chronic MSK pain disorders, there is compelling evidence that an educational strategy addressing neurophysiology and neurobiology of pain can have a positive effect on pain, disability, catastrophization, and physical performance

Louw A, Diener I, Butler DS, Puentedura EJ. (2011). The effect of neuroscience education on pain, disability, anxiety, and stress in chronic muscuskeletal pain, Arch Phys Rehabil. Dec;92(12):2041-56.



Modern Pain Science Education

Neurophysiological Pain Education for Patients With Chronic Low Back Pain A Systematic Review and Meta-Analysis

AIM

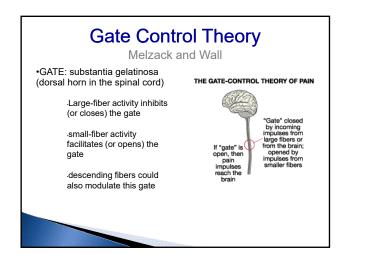
-evaluate the effect of neurophysiological pain education (NPE) for patients with CLBP, measured through pain, disability and behavioral attitudes. A second aim was to investigate the effect of different types of NPE in order to identify the effective type for different subgroups of CLBP patients

Conclusion

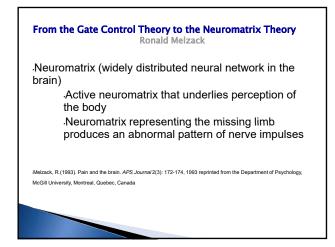
-moderate evidence supporting the hypothesis that NPE has a small to moderate effect on pain and low evidence of a small to moderate effect on disability immediately after the intervention. NPE has a small to moderate effect on pain and disability at 3 months follow-up in patients with CLBP.

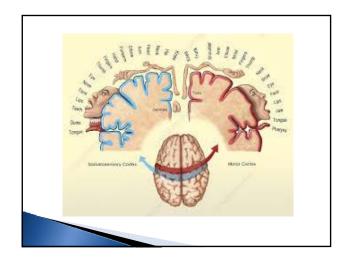
Tegner, H. et al.(2018). Neurophysiological Pain Education for Patients With Chronic Low Back Pain: A Systematic Review and Meta Analysis. The Clinical Journal of Pain. Volume 34 - Issue 8 - p 778–786

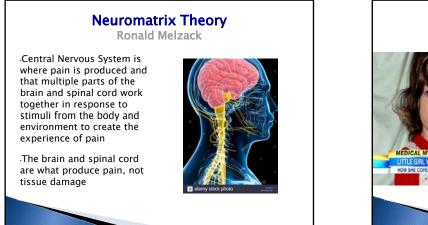
Cate Control Theory Delace and Wall Pain messages from the PNS activate Ball unmyelinated C-fibers I-dre myelinated A-B fibers send messages about harmless stimuli Psychological factors play a role in modulating nociceptive inputs Attention, past learning, an understanding of the meaning of the situation Pain is not changeable Metzack, R.(1993) Pain and the brain, APS Journal2(3): 172-174,reprinted from the Department of Psychology, McGill University, Montreal, Quebec, Canada







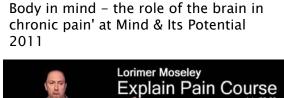




Modern Pain Science



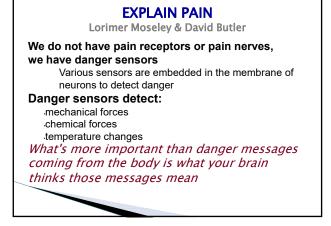
Pain is about protection against threats to our survival

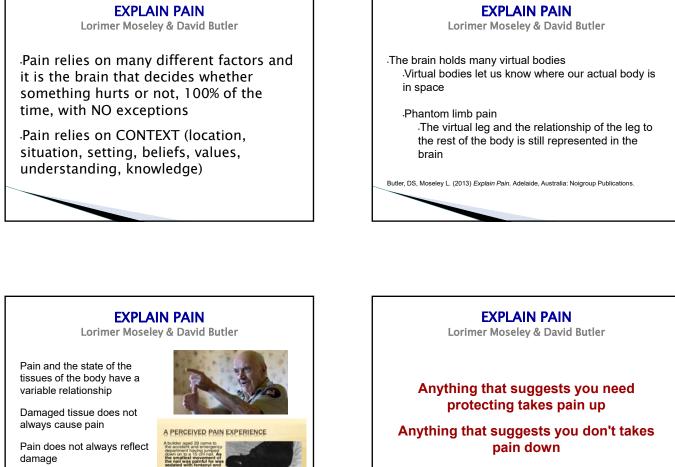


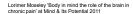














Romantic

Getaway

Guide

EXPLAIN PAIN

Lorimer Moselev & David Butler



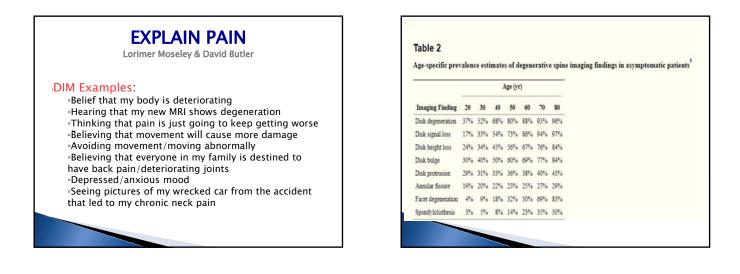
Lorimer Moseley & David Butler

DIM= *danger in me*

Anything that is dangerous to your body tissues, life, lifestyle, job, happiness, your day to day function-a threat to who you are as a person

SIM=*safety in me* Anything that makes you feel stronger, better, healthier, more confident, more sure and certain

Moseley, G.L., Butler, D.S. (2017) Explain Pain Handbook. Adelaide, Australia. Noigroup Publications



EXPLAIN PAIN

Lorimer Moseley & David Butler

SIM examples:

•Hearing that my MRI does not show any dangerous findings

- •Understanding my pain
- •Knowing that age related changes in my spine are normal and don't correlate with my pain

•Believing that I have control over my pain

•Spending time with caring family members/friends

Feeling optimistic

•Understanding that movement is helpful

Listening to music



Lorimer Moseley & David Butler

You will have pain when your brain concludes that there is more credible evidence of danger related to your body than there is credible evidence of safety Moseley, G.L., Butler, D.S. (2017) Explain Pain Handbook. Adelaide, Australia. Noigroup Publications

NEUROPLASTICITY/BIOPLASTICITY

Brains are capability of adapting/Systems are capable of adapting

•My Brain and other body systems adapted to protect me from danger and became overprotective

·Bioplasticity got me into chronic pain and Bioplasticity can get me out

•My brain and other body systems can adapt back to a normal state of protection if I remove DIMS and add SIMS

Moseley, G.L., Butler, D.S. (2017) Explain Pain Handbook. Adelaide, Australia. Noigroup Publications

Healthy Lifestyle Topics

Sleep

Nutrition (anti-inflammatory diet, weight management) Physical activity Stress Management Loneliness/lack of connection Loss of purpose/joy



Mind-body and exercise practice that combines breath control, meditation, and movements to stretch and strengthen muscles



A study published in Annals of Internal Medicine found that among 313 people with chronic low back pain, a weekly yoga class increased mobility more than standard medical care for the condition

 Practicing Yoga also improves mood and psychosocial well-being

Tilbrook, H.E.(2011). Yoga for Chronic Low Back Pain: A Randomized Trial. Ann Intern Med: 155(9):569-578.

Yoga for Back Pain

With few exceptions, previous studies and the recent randomized control trials (RCTs) indicate that yoga can reduce pain and disability, can be practiced safely, and is well received by participants. Some studies also indicate that yoga may improve psychological symptoms, but these effects are currently not as well established.

Douglas G. Chang, 1, Jacquelyn A. Holt, 1 Marisa Sklar, 3 and Erik J. Groessl, (2016) Yoga as a treatment for chronic low back pain: A systematic review of the literature, *Orthop Rheumatol.* Jan 1; 3(1): 1–8.



Regular practice of yoga may have: .neuroprotective effects against whole brain agerelated GM decline

> more weekly regular yoga practice is associated with larger brain volume in areas involved in bodily representation, attention, self-relevant processing, visualization, and stress regulation

Villemure, C. Čeko, M., Cotton, V.A., Bushnell, C. (2015) Neuroprotective effects of yoga practice: age-, experience-, and frequency-dependent plasticity, *Front Hum Neurosci*, 9: 281.

Mindfulness and Brain Changes

Participation in MBSR is associated with changes in gray matter concentration in brain regions involved in:

learning and memory processes emotion regulation self-referential processing perspective taking

Hölzel, B.K. et al. (2011). Mindfulness practice leads to increases in regional brain gray matter density, Psychiatry Res. Jan 30; 191(1): 36–43.



