

Advanced Evaluation and Treatment of Complex Pain

2026



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For More Information

 419-969-6099

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 www.glseminars.com



Payment in full is due with registration and there is a non-refundable cancellation fee of \$50. There will be no refunds given within 2 weeks (14 calendar days) of the course.

Great Lakes Seminars reserves the right to cancel the course due to unforeseen/unavoidable circumstances. In the event of a cancellation, Great Lakes Seminars will not be responsible for any charges incurred by the registrant other than the course cost.

Instructor

Karl Buche
PT, DPT, CIMT, CIDN, TPS, OCS

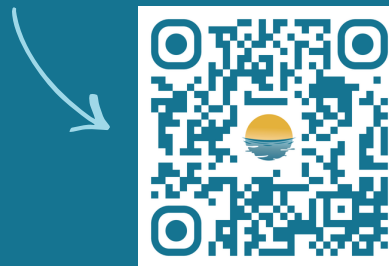
Karl completed his undergraduate degree in Exercise Science from Michigan Technological University in 2012, then went on to graduate with his doctorate in physical therapy from Central Michigan University in 2016. He works at Probility Physical Therapy, which is based in southeast Michigan, and is the director of the Pinckney Clinic. After obtaining his CIMT credentials in 2019, he began teaching and assisting courses for GLS, with his main area of expertise being pain neuroscience. He believes in an eclectic treatment approach, including many styles of manual therapy, pain education, and individualized exercise. Karl cares deeply about the manner in which we communicate with our patients, and loves teaching others how to minimize nocebo effects during patient interactions. He lives in Chelsea, MI with his wife, Catherine, and puppy, Olive. He enjoys treating all orthopedic dysfunctions, and loves to incorporate breathwork into his practice.

2026 Course Schedule

- April 12, 2026 - Minden, NV
- April 26, 2026 - Toledo, OH or Live Hybrid
- November 21, 2026 - Maywood, NJ

Please check our website for the most updated schedule: www.glseminars.com

Scan the QR code below to view the Advanced Evaluation and Treatment of Complex Pain course page on our website!



Interested in hosting this course at your facility?

Bring our instructors to your clinic or organization for an exclusive training experience tailored to your team. Contact us for hosting details and availability.

Advanced Evaluation and Treatment of Complex Pain

Course Description

How do you help someone who can't tolerate touch or exercise due to pain? Diagnoses such as complex regional pain syndrome, fibromyalgia, long-Covid pain, and any other chronic pain are difficult to treat until you understand the pathophysiology that led to the condition. This understanding gives you a framework for how to evaluate these patients in ways they have never been tested before and develop a treatment plan. There are many treatment options available to us to help reduce pain that won't cause a flare-up of symptoms. In this course, participants will learn how to evaluate central sensitivity, yellow flags, premotor pain, cortical smudging, motor drive, and carbon dioxide tolerance. Treatment includes graded motor imagery, cortical remapping, breathing protocols, motor drive retraining, and lifestyle changes.

There are no prerequisites for this course. However, if you are new to pain science, our [Understanding Pain](#) course is a great place to start!

Course Objectives

- Understand the mechanisms of complex pain, including central sensitivity, yellow flags, premotor pain, cortical smudging, impaired motor drive, and carbon dioxide tolerance.
- Evaluate and treat nociplastic pain, including complex regional pain syndrome and fibromyalgia.
- Use graded motor imagery to treat premotor pain and yellow flags.
- Evaluate and treat cortical mapping dysfunctions.
- Understand the mechanisms of breathing and how CO2 intolerance can increase pain, anxiety, and breathing disorders.
- Understand how living sympathetically can impair many body systems, including our pain response.
- Understand how to fix motor drive dysfunctions that do not correct with normal exercise treatment.

Course Outline:

Saturday

- 7:30am - Doors Open
- 8:00am - Lecture: Pain Neuroscience Overview
- 9:00am - Lecture: Lifestyle Modifications
- 10:00am - Lecture: Complex Regional Pain Syndrome
- 11:00am - Lecture: Fibromyalgia
- 12:00pm - Lunch (on your own)
- 1:00pm - Lecture: Why We Breathe
- 2:00pm - Lab: CO2 Tolerance Test and Breathing Protocols
- 2:30pm - Lecture: Motor Drive
- 3:30pm - Lab: Motor Drive Retraining
- 4:00pm - Lab: 2-pt Discrimination and Remapping
- 4:30pm - Skills Review
- 5:00pm - Adjourn

Continuing Education

This course has been submitted for 8 continuing education hours in the state in which each course is held. Approval amounts may vary per state. Certificates of attendance with the number of course hours will be given to each participant at the completion of the course.

REGISTER TODAY!

Register online at www.glseminars.com or fill out this form and fax to (419) 730-1216 or mail with payment to: 2768 Centennial Road, Toledo, OH, 43617

Name _____

Address _____

Phone _____

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Discipline _____

State(s) Licensed In _____

Course Location: _____

Course Date: _____

Course Fee: \$350

Check Payable to: Great Lakes Seminars

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Security Code

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