



For More Information:

Phone: 419-969-6099

E-mail: info@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 seminar. 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.

This course is also available as a private course for your staff. Please visit www.glseminars.com for more details.

2025 Course Schedule

- January 25-26, 2025 - Tulsa, OK
- April 12-13, 2025 - North Branch, MN
- May 17-18, 2025 - Cherry Hill, NJ
- October 4-5, 2025 - Toledo, OH or Live Hybrid
- December 13-14, 2025 - Norfolk, VA

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



Mobilization of the Cervical and Thoracic Spine and Ribs

2025



We Don't Just Teach. We Inspire.

75% Hands-On Training
Practice new techniques with confidence

Passionate Instructors
Learn from specialized instructors who truly care

The GLS Experience
Be part of a fun weekend that will fly by

www.glseminars.com

Mobilization of the Cervical and Thoracic Spine and Ribs

Course Objectives

At the completion of the seminar, the participant will be able to:

- Correctly describe the normal and abnormal biomechanics of the vertebrae in the upper cervical spine (OA, AA), lower cervical spine (C2-7), thoracic spine (T1-T2) and ribs
- Confidently describe 5 specific spinal and rib anatomical structures
- Correctly describe the neurophysiological mechanism behind muscle energy technique (MET)
- Correctly and confidently identify 3 key components necessary to administer proper MET
- Through the discussion of relevant evidence based research, support the use of METs/mobilization and manipulations to the cervical and thoracic spine and ribs for specific diagnoses
- Through the use of 3 varying case studies, correctly demonstrate a systematic approach for the treatment progression through the cervical and thoracic spine and rib complex
- Demonstrate the appropriate force direction for 5 specific MET/mobilization and manipulations

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. He 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.

Course Outline

Saturday

- 7:30am Doors open
8:00am Lecture: Introduction, Overview of MET and Joint Articulations, Anatomy, Biomechanics, Spinal Kinematics, Types of Dysfunctions, Treatment Principles
10:30am Lecture: Rib Dysfunctions
11:00am Lab: Cervical - Thoracic screening tests
12:00pm Lunch (on your own)
1:00pm Lab: Thoracic Spine; Type II Flexion and Extension Lesions
3:15pm Lab: Thoracic Spine: Type I Neutral Spine Lesions and Type II Lesions
4:15pm Review of Evidence-Based Literature for today's topics
5:00pm Adjourn

Sunday

- 7:30am Doors open
8:00am Lab: Review of Type II Dysfunctions in Cervical and Thoracic Spine
8:45am Lab: Upper Cervical Screening Tests, AA Jt Dysfunctions
10:15am Lab: OA Jt Dysfunctions
11:15am Lab: Structural Rib Dysfunctions
12:00pm Lunch (on your own)
1:00pm Cont. Structural Rib Dysfunctions
3:45pm Case Studies/Speed Mobilizations
4:30pm Review of Evidence-Based Literature for today's topics
5:00pm Adjourn

Continuing Education

Our courses are submitted for continuing education approval in the state in which they are held. Please check www.glseminars.com to ensure that the course you are planning to attend is approved in your state. Certificates of completion with the number of course hours will be emailed to attendees after the completion of each 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 _____

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E-mail _____

Discipline _____ Fax _____

Course Location: _____

Course Date: _____

Course Fee: \$650

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Expiration Date (Month/Year)

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Security Code

Billing Street Address _____

Billing Zip Code _____

“ The instructors are superb and obviously love what they do. Because of your courses, I have taken my clinical skills to a whole new level. ”

- Virginia Beach Resident