

## Instructors

### Terry Cox

PT, DPT, OCS



Terry is a graduate of the University of Missouri Physical Therapy Program and most recently Regis University where he completed his Doctorate in Physical Therapy. He has been a

Board Certified Specialist in Orthopedics for over 15 years and is currently a Fellow in the Fellowship in Manual Therapy Program at Regis University. Terry is an Associate Professor in Physical Therapy at Southwest Baptist University, where he teaches orthopedic management of the upper and lower extremities and the cervical, thoracic and lumbar spine. He also teaches advanced orthopedics and the manual/manipulative therapy courses. He currently treats patients for Aptitude Physical Therapy in Springfield, Missouri and has also taught in the physical therapy residency program for Evidence in Motion. Terry has over 23 years of experience in treating patients with neuromusculoskeletal and pain disorders. He enjoys teaching and mentoring his doctoral student and teaching his patients as well as keeping current on the best research available. Terry joined the International Spine and Pain Institute as an instructor in 2010.

### ISPIInstitute.com

ISPI is an independent educational group that is committed to high-quality, affordable, up-to-date, evidence-based and clinically applicable continuing education for physical therapists. Courses provided by ISPI are instantly applicable in clinical settings and offer a variety of treatment options in the current managed care environment from highly skilled hands-on, mobilization, functional exercise programs, to patient education.



PO Box 232  
Story City, IA  
50248



## Differential Diagnosis of the Lower Quadrant

November 10 & 11, 2012  
Lee's Summit, MO

Open to Physical Therapists Only

# Differential Diagnosis of the Lower Quadrant

## Course Description

This advanced 2-day (15 hour) course offers a comprehensive investigation into the physical dysfunction of the Lower Quadrant (Lumbar Spine, Hip Joint, Sacroiliac Joint and associated soft tissues and neural tissue) and its treatment. The course is designed to provide the clinician with skills to carefully use clinical reasoning to diagnose tissues at fault in the patient with dysfunction of the Lower Quadrant, determine the necessary precautions and contraindications, and design treatment options, including manual therapy and exercise.

New and updated clinical pathology of the Lumbar Spine from Drs. Lance Twomey, Nikolai Bogduk and David Butler form the framework from which lumbar pathologies and pain patterns are discussed. Physical therapy treatment, as well as medical interventions and diagnosis (MRI, CT scan, X-Ray, etc.) will be discussed in relation to the new and updated research information. This course features an extensive clinical reasoning process. Participants will be taught numerous aspects of differential diagnosis of the Lower Quadrant, including medical conditions that simulate spinal pain, radiculopathy, somatic referred pain, vascular claudication, etc. Common conditions such as disc lesions, nerve root pain, facet joint injuries, spondylolisthesis, spinal stenosis, post-surgical complications, etc., which will be discussed in depth.

Clinicians will be instructed in safe and effective handling skills during the evaluation and treatment of the Lower Quadrant. Numerous assistants will be available to ensure high quality hands-on help. Treatments covered include physical therapy spinal manipulation and mobilization, traction, neural tissue mobilization, soft tissue mobilization, exercise as well as patient education.

## Special Features

- Sound clinical reasoning, based on the Australian Maitland Approach
- Latest, best evidence on the evaluation and treatment of spinal disorders
- Thorough subjective and objective examination
- Spinal Imaging - X-Ray, MRI, CT, Discography & more
- Physical therapy spinal manipulation and mobilization, neural tissue mobilization, exercise, modalities, referral for medical management and more...
- Patient education, based on the latest research. and exercises.

## Course Layout

### Day 1 (8:00 – 5:00 PM)

8:00 – 8:15	Welcome, introduction
8:15 – 9:00	Lab: Evidence Based Medicine & Clinical Reasoning
9:00 – 10:15	Lumbar Radiculopathy – Case study discussion
10:15 -10:30	Break
10:30 – 12:00	Lumbar Radiculopathy – Physical Examination
12:00 – 1:00	Lunch
1:00 – 1:15	Lumbar Radiculopathy Treatment – The Evidence
1:15 – 2:00	Lumbar Radiculopathy – Treatment
2:00 – 2:15	Lumbar Radiculopathy – Summary
2:15 – 3:00	Acute Low Back Pain – Case study discussion
3:00 – 3:15	Break
3:15 – 3:45	Acute Low Back Pain - The Evidence
3:45 – 4:15	Acute Low Back Pain – Treatment
4:15 – 5:00	Acute Low Back Pain and screening for red flags

### Day 2 (8:00 – 5:00P PM)

8:00 – 8:45	Spinal Instability – Case study discussion
8:45 – 9:15	Spinal stabilization – Update on research
9:15 – 10:00	Evaluation of spinal instability
10:00 – 10:15	Break
10:15 – 10:45	Spinal Stabilization: Motor control lab
10:45 – 11:30	SI Joint - Case study discussion
11:30 – 12:00	Provocation testing of the SI joint
12:00 – 1:00	Lunch
1:00 – 1:45	SI Joint treatments
1:45 – 2:30	Leg Pain – Case study discussion
2:30 – 3:15	Physical Examination and treatment of hip joint
3:15 – 3:30	Break
3:30 – 3:45	Spinal Stenosis: Update
3:45 – 4:45	Chronic Pain Management for the LQ
4:45 – 5:00	Summary and Conclusion

## Course Objectives

1. Have a working knowledge of the anatomical structures comprising the lower quadrant, including biomechanics and pain referral.
2. Successfully be able to conduct a comprehensive subjective evaluation to determine the patient's main problem, as well as contraindications and precautions for the physical examination and treatment.
3. Successfully and safely conduct a physical examination of the lower quadrant, including the lumbar spine, hip joint, sacroiliac joint and the associated soft tissues and neural tissues.
4. Plan a comprehensive and effective treatment progression for the patient including joint mobilization, physical therapy manipulation, exercises, advice/education, and referral for medical treatment options.
5. Successfully and safely be able to perform the treatment techniques covered in this course

## Registration Information

Name: \_\_\_\_\_

Billing Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

**Differential Diagnosis of the Lower Quadrant \$425**  
**Lee's Summit, MO November 10 & 11, 2012**

Payment: Check #: \_\_\_\_\_

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**\*\* If the credit card does not correspond to the above address, please provide the billing address**

### 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.

## Mail, Fax or Call:

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*Education is Therapy...*

