Basics biomechanical & Electrophysiological Guided

Spine Manual Therapy Program

Location: Cairo - Egypt

Date: 28-31 December 2022

LEVEL ONE

Time: From 10 am to 4 pm

Tutor:

Dr. Mahmoud El-Razzy

MS. PT. , Ph D. PT. Candidate

Neuromuscular disorders & surgery ,

Spine Specialist

Dr Mahmoud ElRazzy is a Consultant Physiotherapist and PhD Candidate at department of PT for neuromuscular disorders and its surgery, Cairo University. He was born in Cairo, Egypt and trained as a short term scholar university of Illinois at Chicago (UIC) in USA. He works in the KSA at El-Hayat Spine physical therapy as a consultant and manager for 6 years. He is the founder of ElRazzy spine research group and spine physical therapy centres since 2009. He has been awarded Cairo University funding award 2009, & an outstanding research award at WCPT Singapore 2015. He assesses and treats patients with complex Spine disorders. ElRazzy has also trained as a Electrophysiologist and performs EMG & NCS guided Spine interventions and techniques, (including Kinesiologic HR, late waves and SSEP) as part of the rehabilitation process if required and appropriate. He has also completed an MSc (Neurological Physiotherapy), and Postgraduate Diplomas in Manual Therapy, and in Biomechanics, as well as MSc modules in , Manual therapy for soft tissues and joints. He also has a Postgraduate Certificate in Diagnostic Imaging. He has also qualified as an Independent (non-medical) Prescriber.

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Topics to be covered:

1. Basic anatomical and biomechanical considerations
2. Radiological factors affecting interventions
3. Lumbar spine IDD (Evaluation, differential diagnosis and interventions)
4. Cervical spine IDD (Evaluation, differential diagnosis and interventions)
5. Sacroiliac joint disorders (Evaluation and treatment)
6. Spine surgery and post-surgical rehabilitation
7. Vertebral displacement and spinal unit instability
8. Schools of thoughts in spine manual therapy

Course Content

DAY 1

Content	Time
• **Introduction Course goals and descriptions**	• 10:00 -10:30 am
• **Anatomy, mechanics and radiological diagnosis** • **Dealing with patients of spinal disorders** • **How to use the biomechanical reasoning in clinical practice?** • **Surgical interventions for Internal Disc Disruptions.**	• 10:30 - 12:00 am
• **Lunch break**	• 12:00- 1:00 pm
• **Radiological biomechanics "Including practice"**	• 1:00 – 4:00 pm

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DAY 2

Content	Time
• Internal Disc Disruption patho-mechanical correlations. Pain nature Spinal cord and nerve roots (Radiculopathy, Plexopathy, Neuropathy and Referred pain) Biomechanical Factors affect treatment of the intervertebral disc.	• 10:00 -11:30 am
• Decompression theory and techniques "Lumbar treatment principles" Neurophysiology of late waves and practical application of electrophysiological directed spinal management. Normal reduction of IVD & physiology of nerve root decompression	• 11:30 - 1:00 am
• Lunch break	• 1:00- 2:00 pm
• Practical application of lumbar spine integrated decompression techniques, Reduction techniques & Stability exercises	• 2:00 – 4:00 pm

DAY 3

Content	Time
• Schools of thoughts in manipulative physical therapy. How to select proper approach based on the biomechanical basis. • Concept and techniques of spinal maneuvers according to modelingbased biomechanics. • Decompression theory and techniques "Cervical treatment principles" How to select proper techniques for patients of spin disorders among different back schools? Patients' selection.	• 10:00 -12:00 am
• Lunch break	• 1:00- 2:00 pm
• Practical application of cervical spine decompression techniques	• 2:00 – 4:00 pm

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DAY 4

Content	Time
• Deferential diagnosis. • Dermatome, myotome research • Extremity pain of non-vertebral origin. Extremity pain of vascular origin.	• 10:00 -12:00 am
• Lunch break	• 1:00- 2:00 pm
• Sacroiliac joint dysfunction • Spondylolisthesis pathomechanics & rehabilitations • Soft tissue approaches.	• 2:00 – 4:00 pm

Prerequisites: For Physiotherapists (Graduates or internship students)

Normal registration:

Individual Registration: 2800 L.E Group registration (3+): 2500 L.E

Payment method:

Through our office: 72 Ahmed El-Zayat St. Dokki. Giza Governorate

Or via bank transfer

For inquiries & booking:

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