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Type Registration	Definition	Price
Group rate	Register 20 or more	\$40
Individual Rate	Single Registration	\$65

Course # Course Title

Webinar Date

Name Discipline

Facility

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E-mail Address for Confirmation (will not be shared or sold)

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WEBINAR

#7135 Understanding Diagnostic Imaging Results for Better Rehabilitation Practices

Instructor:
Marsha Rutland, PT, ScD, OCS, COMT, CSCS

Audience:
**Physical Therapists and Assistants and Athletic
Trainers**

Delivery Options:
Live Webinar or Self-Study Options

SUMMARY: Clinicians are exposed to diagnostic imaging in multiple settings. Therapists in some states are responsible for ordering and understanding diagnostic images, and thus they need to understand differences in diagnostic imaging. In addition, those clinicians who are evaluating patients and discussing their diagnostic findings, must have a knowledge of abnormal conditions. Participants can use this webinar to be better equipped to understand diagnostic images and specific diagnostic signs to help guide their treatment. This course focuses on specific abnormalities and signs seen in various imaging for back conditions (Ankylosing spondylitis, DISH, disc injuries, Spondylolisthesis), Rotator cuff injuries, knee and ankle injuries. Imaging reviewed includes radiographs, MRI, Diagnostic imaging, and CT scans as they relate to various conditions seen by clinicians. Participants will be better equipped to provide the best evidence supported treatment when combined with the knowledge of diagnostic images. Course instruction methods include lecture, demonstration, videos, case studies and question/answers. (Intermediate Level)

PRESENTER: **Marsha Rutland, PT, ScD, MEd, OCS, COMT, C-DN, CSCS** is a professor of Physical Therapy at Hardin-Simmons University (HSU), Department of Physical Therapy, Abilene, Texas. She has earned a B.S. in Physical Therapy from UTHSC-Dallas, 1979; MEd from HSU, Abilene, 2002; and Doctorate of Science (ScD) in Physical Therapy with an emphasis in Orthopedics at Texas Tech University Health Science Center (2008). Dr. Rutland is an APTA board certified Orthopedic Clinical Specialist (2003, 2013). She received her certification in Dry Needling from IAOM-Dry Needling. She is a clinical anatomist and teaches Clinical Anatomy to Physical Therapy students. She was awarded the Outstanding Clinical Educator Award from the Texas Consortium, Inc., in 2002 and the Outstanding Faculty member of the year from Texas Physical Therapy Association in 2011. Dr Rutland is actively involved in orthopedic research activities. She has 39 years of physical therapy experience in a variety of settings, including out-patient rehabilitation, state school, home health, county hospital, hospital acute care and presently out-patient orthopedic rehabilitation. She was a clinical instructor for 20 years also. *Financial*— Received a teaching honorarium from Motivations Inc. *Nonfinancial*— No relevant nonfinancial relationship exists.

OBJECTIVES: Upon completion of this course, the participant will be able to:

1. Recognize at least 6 abnormalities on radiographs.
2. Discriminate between Ankylosing Spondylitis and DISH, spondylolisthesis, spondylosis and spondylolysis, and other back conditions (Disc conditions).
3. Identify 2-3 signs on diagnostic images for conditions such as meniscus tear, rotator cuff tear, Scheuermann's disease, DDD.
4. Relate levels of scapular fracture.
5. Distinguish pathological fractures of humerus.
6. Understand differences between anterior and posterior dislocations of the shoulder and hip as seen on radiographs.
7. Recognize at least 3 signs on radiographs for ankle injuries (coalition, effusion, fractures).
8. List at least 3 types of abnormalities of the knee on MRI (discoïd, meniscal tear, meniscal root tear, ACL tear, PCL tear).
9. Name at least 3 structures seen with diagnostic ultrasound (DUS) and locate abnormalities (rotator cuff, Achilles tendon, lateral epicondylitis).
10. Relate various imaging choices (radiographs, DUS, MRI, CT scan) to case scenarios.

FORMAT: This is a 3 contact hour course equivalent to 3 CEU's or 0.3 CEUs offered as a live webinar or self-study. Instructors present the live course content via an internet website displaying real time power points. Learners will receive a course instruction link. Instructors lecture through livestreaming internet on your computer. Questions may be asked during the webinar using the chat feature or the "raise hand" feature for live discussion.

PT CEU's: Motivations Inc is an approved provider of Physical Therapy continuing education by these professional bodies: Texas Chapter of the American Physical Therapy Association, ILDPR- Illinois Department of Professional Regulation Approved PT CE Sponsor, NY- New York State Education Department, Office of the Professions. Physical Therapy Board of California. Many state boards recognize these for pre-approval purposes. Contact us if you would like verification a state.

ATC CEU's: Motivations, Inc. (BOC AP #P2549) is approved by the Board of Certification, Inc. to provide continuing education to Athletic Trainers. This program is eligible for a maximum of 3 Category A hours/CEU's.

AGENDA:

Pre-Study: 30 Minutes Plan to read the course materials, references and review the post test before the start time. Please be prepared to share patient case study and related question during the discussion time.

- 5 min: Introduction/Pre-test
- 25 min: Radiographs and lumbar conditions
- 25 min: Radiographs with extremity conditions
- 25 min: MRI and diagnostic conditions
- 25 min: DUS/CT and diagnostic conditions
- 10 min: Case scenarios
- 5 min: Questions/ Post test

Post-test: 30 Minutes Research, identify, and submit your post test question answers on the online form. This is an open book test you can take multiple times if needed to obtain the 70% score. Complete the evaluation feedback survey and needs assessment. Obtain, review and save your auto-emailed certificate for your files.