

<b>Case Number:</b>	CM14-0209048		
<b>Date Assigned:</b>	01/08/2015	<b>Date of Injury:</b>	07/25/2014
<b>Decision Date:</b>	02/13/2015	<b>UR Denial Date:</b>	12/11/2014
<b>Priority:</b>	Standard	<b>Application Received:</b>	12/15/2014

### HOW THE IMR FINAL DETERMINATION WAS MADE

MAXIMUS Federal Services sent the complete case file to an expert reviewer. He/she has no affiliation with the employer, employee, providers or the claims administrator. The expert reviewer is Board Certified in Neurology, has a subspecialty in Neuromuscular Medicine and is licensed to practice in New Jersey. He/she has been in active clinical practice for more than five years and is currently working at least 24 hours a week in active practice. The expert reviewer was selected based on his/her clinical experience, education, background, and expertise in the same or similar specialties that evaluate and/or treat the medical condition and disputed items/services. He/she is familiar with governing laws and regulations, including the strength of evidence hierarchy that applies to Independent Medical Review determinations.

### CLINICAL CASE SUMMARY

The expert reviewer developed the following clinical case summary based on a review of the case file, including all medical records:

The patient is a 40-year-old woman sustained a work-related injury on July 25, 2014. Subsequently, she developed chronic low back pain. Prior treatments included: medications (Ibuprofen, Hydrocodone, and Percocet), 12 sessions of physical therapy, and 12 sessions of acupuncture. According to the progress report dated November 4, 2014, the patient continued to complain of pain predominantly in the left iliolumbar ligament and some radiation of this pain down the left lower extremity and some intermittent numbness and tingling sensations affecting the left leg. She noted having some subjective weakness of the left leg. She noted that she has an additional authorized round of physical therapy and acupuncture and will commence her third round of treatment soon. She also noted having significant pain in the coccyx area that seemed to spread out in a circular fashion. Examination of the lumbar spine/Coccyx revealed decreased flexion, extension, and bilateral bending by 10% of normal. There was tenderness, trigger points, and muscle spasms to the left iliolumbar ligaments and left LS parasoinal muscles. There was exquisite tenderness at the coccyx area and surrounding tissue. There was decreased light touch sensation in the dorsal aspect of the left foot. There were decreased reflexes in the left ankle. There were normal reflexes in the bilateral knees. There was a decreased strength with left dorsiflexor and left extensor hallucis longus muscle. Normal strength in the bilateral knee flexors and knee extensors. There was a positive straight leg raise at 40 degrees. The patient was diagnosed with left lumbar spine strain, left lumbar spine radiculopathy, myofascial pain syndrome, and coccyx fractures. The provider requested authorization for MRI of the lumbar sacral spine/coccyx, EMG/NCS of the bilateral lower extremities, Flexeril, 8 sessions of acupuncture, and 8 sessions of physical therapy.

### IMR ISSUES, DECISIONS AND RATIONALES

The Final Determination was based on decisions for the disputed items/services set forth below:

**MRI of the lumbar sacral spine/coccyx:** Upheld

**Claims Administrator guideline:** Decision based on MTUS ACOEM Chapter 12 Low Back Complaints Page(s): 303.

**MAXIMUS guideline:** Decision based on MTUS Chronic Pain Treatment Guidelines Special Studies and Diagnostic and Treatment Considerations Page(s): 303.

**Decision rationale:** Regarding the indications for imaging in case of back pain, MTUS guidelines stated: Lumbar spine x rays should not be recommended in patients with low back pain in the absence of red flags for serious spinal pathology, even if the pain has persisted for at least six weeks. However, it may be appropriate when the physician believes it would aid in patient management. Unequivocal objective findings that identify specific nerve compromise on the neurologic examination are sufficient evidence to warrant imaging in patients who do not respond to treatment and who would consider surgery an option. When the neurologic examination is less clear, however, further physiologic evidence of nerve dysfunction should be obtained before ordering an imaging study. Indiscriminant imaging will result in false-positive findings, such as disk bulges, that are not the source of painful symptoms and do not warrant surgery. If physiologic evidence indicates tissue insult or nerve impairment, the practitioner can discuss with a consultant the selection of an imaging test to define a potential cause (magnetic resonance imaging [MRI] for neural or other soft tissue, computer tomography [CT] for bony structures). Furthermore, and according to MTUS guidelines, MRI is the test of choice for patients with prior back surgery, fracture or tumors that may require surgery. The patient does not have any clear evidence of lumbar radiculopathy or nerve root compromise. There is no clear evidence of significant change in the patient signs or symptoms suggestive of new pathology. Therefore, the request for MRI of the lumbar spine/coccyx is not medically necessary.

**EMG/NCS of the bilateral lower extremities:** Upheld

**Claims Administrator guideline:** Decision based on MTUS ACOEM Chapter 12 Low Back Complaints Page(s): 303.

**MAXIMUS guideline:** Decision based on MTUS ACOEM Chapter 12 Low Back Complaints Page(s): 303.

**Decision rationale:** According to MTUS guidelines (MTUS page 303 from ACOEM guidelines), Electromyography (EMG), including H-reflex tests, may be useful to identify subtle, focal neurologic dysfunction in patients with low back symptoms lasting more than three or four weeks. EMG has excellent ability to identify abnormalities related to disc protrusion (MTUS page 304 from ACOEM guidelines). According to MTUS guidelines, needle EMG study helps identify subtle neurological focal dysfunction in patients with neck and arm symptoms. When the neurologic examination is less clear, however, further physiologic evidence of nerve dysfunction can be obtained before ordering an imaging study Electromyography (EMG), and nerve conduction velocities (NCV), including H-reflex tests, may help identify subtle focal neurologic

dysfunction in patients with neck or arm symptoms, or both, lasting more than three or four weeks>> (page 178). EMG is indicated to clarify nerve dysfunction in case of suspected disc herniation (page 182). EMG is useful to identify physiological insult and anatomical defect in case of neck pain (page 179). Although the patient developed low back pain, there is no clear evidence that the patient developed peripheral nerve dysfunction or nerve root dysfunction. MTUS guidelines do not recommend EMG/NCV without signs of radiculopathy or nerve dysfunction. Therefore, the request for EMG/NCV study of the bilateral lower extremities is not medically necessary.

**Flexeril 7.5mg:** Upheld

**Claims Administrator guideline:** Decision based on MTUS Chronic Pain Treatment Guidelines.

**MAXIMUS guideline:** Decision based on MTUS Chronic Pain Treatment Guidelines Muscle Relaxants Page(s): 63.

**Decision rationale:** According to MTUS guidelines, Flexeril, a non sedating muscle relaxants, is recommended with caution as a second line option for short term treatment of acute exacerbations in patients with chronic spasm and pain. Efficacy appears to diminish over time and prolonged use may cause dependence. There is no recent evidence of pain flare or spasm and the prolonged use of Flexeril is not justified (Flexeril has been prescribed since August 2014). Therefore the request for authorization Flexeril 7.5mg is not medically necessary.

**8 sessions of acupuncture:** Upheld

**Claims Administrator guideline:** Decision based on MTUS Acupuncture Treatment Guidelines.

**MAXIMUS guideline:** Decision based on MTUS Acupuncture Treatment Guidelines.

**Decision rationale:** According to MTUS guidelines, acupuncture is considered in knee, back, ankle, and upper extremities complaints. "Acupuncture" is used as an option when pain medication is reduced or not tolerated, it may be used as an adjunct to physical rehabilitation and/or surgical intervention to hasten functional recovery. It is the insertion and removal of filiform needles to stimulate acupoints (acupuncture points). Needles may be inserted, manipulated, and retained for a period of time. Acupuncture can be used to reduce pain, reduce inflammation, increase blood flow, increase range of motion, decrease the side effect of medication-induced nausea, promote relaxation in an anxious patient, and reduce muscle spasm. (c) Frequency and duration of acupuncture or acupuncture with electrical stimulation may be performed as follows:(1) Time to produce functional improvement: 3 to 6 treatments. (2) Frequency: 1 to 3 times per week. (3) Optimum duration: 1 to 2 months. (d) Acupuncture treatments may be extended if functional improvement is documented as defined in Section 9792.20(ef). In this case, the patient has completed 12 sessions of acupuncture and was authorized a third round of acupuncture. It is not clear at this point if she did start the third round

and what was the outcome. The request of 8 sessions of acupuncture is not medically necessary at this time.

**8 sessions of physical therapy:** Upheld

**Claims Administrator guideline:** Decision based on MTUS Chronic Pain Treatment Guidelines Physical therapy.

**MAXIMUS guideline:** Decision based on MTUS Chronic Pain Treatment Guidelines Physical Medicine Page(s): 98.

**Decision rationale:** According to MTUS guidelines, Physical Medicine is recommended as indicated below. Passive therapy (those treatment modalities that do not require energy expenditure on the part of the patient) can provide short term relief during the early phases of pain treatment and are directed at controlling symptoms such as pain, inflammation and swelling and to improve the rate of healing soft tissue injuries. They can be used sparingly with active therapies to help control swelling, pain and inflammation during the rehabilitation process. Active therapy is based on the philosophy that therapeutic exercise and/or activity are beneficial for restoring flexibility, strength, endurance, function, range of motion, and can alleviate discomfort. Active therapy requires an internal effort by the individual to complete a specific exercise or task. This form of therapy may require supervision from a therapist or medical provider such as verbal, visual and/or tactile instruction(s). Patients are instructed and expected to continue active therapies at home as an extension of the treatment process in order to maintain improvement levels. Home exercise can include exercise with or without mechanical assistance or resistance and functional activities with assistive devices. (Colorado, 2002) (Airaksinen, 2006) Patient-specific hand therapy is very important in reducing swelling, decreasing pain, and improving range of motion in CRPS. (Li, 2005) The use of active treatment modalities (e.g., exercise, education, activity modification) instead of passive treatments is associated with substantially better clinical outcomes. In a large case series of patients with low back pain treated by physical therapists, those adhering to guidelines for active rather than passive treatments incurred fewer treatment visits, cost less, and had less pain and less disability. The overall success rates were 64.7% among those adhering to the active treatment recommendations versus 36.5% for passive treatment. (Fritz, 2007). In this case, the patient has completed 12 sessions of physical therapy and was authorized a third round of physical therapy. It is not clear at this point if she did start the third round and what was the outcome. The request of additional 8 sessions of physical therapy is not medically necessary at this time.