

<b>Case Number:</b>	CM15-0174004		
<b>Date Assigned:</b>	09/15/2015	<b>Date of Injury:</b>	05/19/2003
<b>Decision Date:</b>	11/03/2015	<b>UR Denial Date:</b>	08/04/2015
<b>Priority:</b>	Standard	<b>Application Received:</b>	09/03/2015

### 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. 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/Service. He/she is familiar with governing laws and regulations, including the strength of evidence hierarchy that applies to Independent Medical Review determinations.

The Expert Reviewer has the following credentials:

State(s) of Licensure: California

Certification(s)/Specialty: Emergency Medicine

### CLINICAL CASE SUMMARY

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

This 64 year old female sustained an industrial injury on 5-19-03. The injured worker is being treated for lumbago. Treatments to date include MRI testing, at least 3 sessions of physical therapy and prescription medications including Norco, Ibuprofen and Soma. The injured worker has continued complaints of neck, low back, shoulder pain. The injured worker has remained off work. Upon examination, there is mild to moderate lumbar back pain noted and triggering noted with lifting. A request for Therapeutic exercises 3 times weekly for the lumbar spine QTY 12.00, Hot packs 3 times weekly for the lumbar spine QTY 12.00, Electrical stimulation # times weekly for the lumbar spine QTY: 12.00 and Soft tissue mobilization/Massage 3 times weekly for the lumbar spine QTY was made by the treating physician.

### IMR ISSUES, DECISIONS AND RATIONALES

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

**Therapeutic exercises 3 times weekly for the lumbar spine QTY 12.00:** Upheld

**Claims Administrator guideline:** Decision based on MTUS Chronic Pain Medical Treatment 2009.

**MAXIMUS guideline:** Decision based on MTUS Chronic Pain Medical Treatment 2009, Section(s): Manual therapy & manipulation.

**Decision rationale:** The request is for physical therapy to aid in pain relief. The MTUS guidelines states that manipulation is recommended for chronic pain if caused by musculoskeletal conditions. Manual Therapy is widely used in the treatment of musculoskeletal pain. The intended goal or effect of Manual Medicine is the achievement of positive symptomatic or objective measurable gains in functional improvement that facilitate progression in the patient's therapeutic exercise program and return to productive activities. Manipulation is manual therapy that moves a joint beyond the physiologic range-of-motion but not beyond the anatomic range-of-motion. It is indicated for low back pain but not ankle and foot conditions, carpal tunnel syndrome, forearm/wrist/hand pain, or knee pain. The use of active treatment modalities instead of passive treatments is associated with substantially better clinical outcomes. (Fritz, 2007) Active treatments also allow for fading of treatment frequency along with active self-directed home PT, so that less visits would be required in uncomplicated cases. In this case, the patient would benefit most from at home active therapy. As such, the request is not medically necessary.

**Hot packs 3 times weekly for the lumbar spine QTY 12.00: Upheld**

**Claims Administrator guideline:** The Claims Administrator did not cite any medical evidence for its decision.

**MAXIMUS guideline:** Decision based on MTUS General Approaches 2004, Section(s): Initial Approaches to Treatment.

**Decision rationale:** The request is for the use of hot treatment to be applied topically to aid in pain relief. The ACOEM guidelines under Physical Methods states that during the acute to subacute phase of injury over the first 2 weeks, application of hot or cold can be effective in ameliorating symptoms. This would aid in facilitation of mobility and exercise. Due to the longstanding duration after injury, continued use would not be indicated in this case. As such, the request is not medically necessary.

**Electrical stimulation # times weekly for the lumbar spine QTY: 12.00: Upheld**

**Claims Administrator guideline:** The Claims Administrator did not cite any medical evidence for its decision.

**MAXIMUS guideline:** The Expert Reviewer did not base their decision on the MTUS. Decision based on Non-MTUS Citation Official Disability Guidelines (ODG) Lumbar the thoracic/TENS (transcutaneous electrical nerve stimulation).

**Decision rationale:** The request is for the use of TENS unit therapy to aid in low back pain. The ODG state the following regarding this topic: Not recommended as an isolated intervention, but a one-month home-based TENS trial may be considered as a noninvasive conservative option for chronic back pain, if used as an adjunct to a program of evidence-based conservative care to

achieve functional restoration, including reductions in medication use. Acute: Not recommended based on published literature and a consensus of current guidelines. No proven efficacy has been shown for the treatment of acute low back symptoms. (Herman, 1994) (Bigos, 1999) (van Tulder, 2006) Chronic: Not generally recommended as there is strong evidence that TENS is not more effective than placebo or sham. (Airaksinen, 2006) There is minimal data on how efficacy is affected by type of application, site of application, treatment duration, and optimal frequency/intensity. (Brousseau, 2002) There are sparse randomized controlled trials that have investigated TENS for low back pain. One study of 30 subjects showed a significant decrease in pain intensity over a 60-minute treatment period and for 60 minutes after. (Cheing, 1999) A larger trial of 145 subjects showed no difference between placebo and TENS treatment. (Deyo, 1990) Single-dose studies may not be effective for evaluating long-term outcomes, or the standard type of use of this modality in a clinical setting. (Milne-Cochrane, 2001) (Sherry, 2001) (Philadelphia Panel, 2001) (Glaser, 2001) (Maher, 2004) (Brousseau, 2002) (Khadikar, 2005) (Khadikar2, 2005) Although electrotherapeutic modalities are frequently used in the management of CLBP, few studies were found to support their use. Most studies on TENS can be considered of relatively poor methodological quality. TENS does not appear to have an impact on perceived disability or long-term pain. High frequency TENS appears to be more effective on pain intensity when compared with low frequency, but this has to be confirmed in future comparative trials. It is also not known if adding TENS to an evidence-based intervention, such as exercise, improves even more outcomes, but studies assessing the interactions between exercise and TENS found no cumulative impact. (Poitras, 2008) For more information, see the Pain Chapter. Recent research: A recent meta-analysis concluded that the evidence from the small number of placebo-controlled trials does not support the use of TENS in the routine management of chronic LBP. There was conflicting evidence about whether TENS was beneficial in reducing back pain intensity and consistent evidence that it did not improve back-specific functional status. There was moderate evidence that work status and the use of medical services did not change with treatment. Patients treated with acupuncture-like TENS responded similarly to those treated with conventional TENS. (Khadikar-Cochrane, 2008) On June 8, 2012, the Centers for Medicare & Medicaid Services (CMS) issued an updated decision memo concluding that TENS is not reasonable and necessary for the treatment of chronic low back pain based on a lack of quality evidence for its effectiveness. Coverage is available only if the beneficiary is enrolled in an approved clinical study. (Jacques, 2012) As stated above the use of TENS therapy in low back pain is not indicated. There is a lack of quality evidence for its effectiveness. As such, the request is not medically necessary.

**Soft tissue mobilization/Massage 3 times weekly for the lumbar spine QTY:** Upheld

**Claims Administrator guideline:** The Claims Administrator did not cite any medical evidence for its decision.

**MAXIMUS guideline:** Decision based on MTUS Chronic Pain Medical Treatment 2009, Section(s): Manual therapy & manipulation.

**Decision rationale:** The request is for massage therapy. The MTUS guidelines state the following regarding this topic: Recommended as an option as indicated below. This treatment should be an adjunct to other recommended treatment (e.g. exercise), and it should be limited to

4-6 visits in most cases. Scientific studies show contradictory results. Furthermore, many studies lack long-term follow-up. Massage is beneficial in attenuating diffuse musculoskeletal symptoms, but beneficial effects were registered only during treatment. Massage is a passive intervention and treatment dependence should be avoided. This lack of long-term benefits could be due to the short treatment period or treatments such as these do not address the underlying causes of pain. (Hasson, 2004) A very small pilot study showed that massage can be at least as effective as standard medical care in chronic pain syndromes. Relative changes are equal, but tend to last longer and to generalize more into psychologic domains. (Walach 2003) The strongest evidence for benefits of massage is for stress and anxiety reduction, although research for pain control and management of other symptoms, including pain, is promising. The physician should feel comfortable discussing massage therapy with patients and be able to refer patients to a qualified massage therapist as appropriate. (Corbin 2005) Massage is an effective adjunct treatment to relieve acute postoperative pain in patients who had major surgery, according to the results of a randomized controlled trial recently published in the Archives of Surgery. (Mitchinson, 2007) In this case, the use of this treatment modality is not indicated. This is secondary to a lack of long-term benefit seen with active self-directed exercises advised in this patient with an injury dating back to 2003. As such, the request is not medically necessary.