MAXIMUS Federal Services

Case Number:	CM14-0197632		
Date Assigned:	12/05/2014	Date of Injury:	11/27/2007
Decision Date:	01/16/2015	UR Denial Date:	10/28/2014
Priority:	Standard	Application Received:	11/25/2014

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 Internal Medicine and is licensed to practice in New York. 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 62 year old female with a date of injury of 11/27/2007. She had a slip and fall injury of her neck, back, left knee and wrist. She also has fibromyalgia and morbid obesity (5'2" tall, 230 pounds, BMI 42). On 10/21/2014 she had joint pain and muscle spasm. She had depression, stress and anxiety. There was a request for physical therapy and inferential unit (TENS).

IMR ISSUES, DECISIONS AND RATIONALES

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

Interferential home unit: Upheld

Claims Administrator guideline: Decision based on MTUS ACOEM Chapter 12 Low Back Complaints.

MAXIMUS guideline: Decision based on MTUS Chronic Pain Treatment Guidelines TENS Page(s): 114-116.

Decision rationale: For inferential current stimulation, MTUS Chronic Pain notes to see transcutaneous electrotherapy: Transcutaneous electrotherapy represents the therapeutic use of electricity and is another modality that can be used in the treatment of pain. Transcutaneous electrotherapy is the most common form of electrotherapy where electrical stimulation is applied to the surface of the skin. The earliest devices were referred to as TENS (transcutaneous

electrical nerve stimulation) and are the most commonly used. It should be noted that there is not one fixed electrical specification that is standard for TENS; rather there are several electrical specifications. Other devices (such as H wave stimulation (devices), Interferential Current Stimulation, Microcurrent electrical stimulation (MENS devices), RS-4i sequential stimulator, Electroceutical Therapy (bioelectric nerve block), Neuromuscular electrical stimulation (NMES devices), Sympathetic therapy, Dynatron STS) have been designed and are distinguished from TENS based on their electrical specifications to be discussed in detail below. The following individual treatment topics are grouped together under the topic heading, "Transcutaneous Electrotherapy [DWC]" and are intended to allow the users of the chronic pain medical treatment guidelines to compare their benefits and to choose amongst the various transcutaneous electrical stimulation devices. All of the following individual treatment topics are from the ODG guidelines.TENS, chronic pain (transcutaneous electrical nerve stimulation) Not recommended as a primary treatment modality, but a one-month home-based TENS trial may be considered as a noninvasive conservative option, if used as an adjunct to a program of evidence-based functional restoration, for the conditions described below. While TENS may reflect the long-standing accepted standard of care within many medical communities, the results of studies are inconclusive; the published trials do not provide information on the stimulation parameters which are most likely to provide optimum pain relief, nor do they answer questions about long-term effectiveness. (Carroll-Cochrane, 2001) Several published evidence-based assessments of transcutaneous electrical nerve stimulation (TENS) have found that evidence is lacking concerning effectiveness. One problem with current studies is that many only evaluated single-dose treatment, which may not reflect the use of this modality in a clinical setting. Other problems include statistical methodology, small sample size, influence of placebo effect, and difficulty comparing the different outcomes that were measured. Recommendations by types of pain: A home-based treatment trial of one month may be appropriate for neuropathic pain and CRPS II (conditions that have limited published evidence for the use of TENS as noted below), and for CRPS I (with basically no literature to support use). Neuropathic pain: Some evidence (Chong, 2003), including diabetic neuropathy (Spruce, 2002) and post-herpetic neuralgia. (Niv, 2005) Phantom limb pain and CRPS II: Some evidence to support use. (Finsen, 1988) (Lundeberg, 1985). The patient does not meet the above criteria for the requested home device.