

<b>Case Number:</b>	CM14-0185440		
<b>Date Assigned:</b>	11/13/2014	<b>Date of Injury:</b>	07/24/2013
<b>Decision Date:</b>	01/07/2015	<b>UR Denial Date:</b>	10/29/2014
<b>Priority:</b>	Standard	<b>Application Received:</b>	11/06/2014

### 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 59-year-old woman who sustained a work-related injury on July 24, 2013. Subsequently, the patient developed a chronic left wrist pain. According to a progress report dated on August 25, 2014, the patient was complaining of left wrist pain with numbness and tingling. The patient physical examination demonstrated cervical spasm and tenderness, reduced range of motion of the shoulder and left wrist tenderness. The provider requested authorization for EMG nerve conduction studies of both upper extremities.

### IMR ISSUES, DECISIONS AND RATIONALES

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

**EMG/NCV of the bilateral upper extremities:** Upheld

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

**MAXIMUS guideline:** Decision based on MTUS ACOEM Chapter 8 Neck and Upper Back Complaints Page(s): 178.

**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). The patient developed wrist pain without any evidence of neuropathic pain, motor or sensory deficit suggestive of nerve damage. There is no clear clinical changes of the patient clinical condition. There is no evidence of significant worsening of the patient condition to justify another EMG/NCV. Therefore, the request for EMG/NCV of the bilateral upper extremities is not medically necessary.