

Case Number:	CM15-0142638		
Date Assigned:	08/03/2015	Date of Injury:	09/24/2010
Decision Date:	09/22/2015	UR Denial Date:	06/24/2015
Priority:	Standard	Application Received:	07/22/2015

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, District of Columbia, Maryland
 Certification(s)/Specialty: Anesthesiology, Pain Management

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 injured worker is a 52-year-old female, who sustained an industrial injury on 9-24-2010. The injured worker was diagnosed as having tear of medial cartilage or meniscus of knee, current. Treatment to date has included diagnostics, right ankle surgery in 2012 and 2013, physical therapy for the lower extremity, transcutaneous electrical nerve stimulation unit, and medications. The progress report (3-23-2015) noted bilateral elbow pain, numbness and tingling. Prior electromyogram studies were not available for review. It was documented that bilateral knee magnetic resonance imaging studies and upper extremity electrodiagnostic studies were required for review and if they could not be obtained, repeat studied would be required. Currently, the injured worker complains of bilateral elbow-forearm pain, numbness and tingling, with radiation down to the fingers, and catching, popping, and-or clicking. Aggravating factors included gripping, grasping, lifting, and daily activities. It was documented that the electrodiagnostic studies of the right upper extremity were not received and she declined exam of her right elbow due to right shoulder pain. Exam of the elbows included significant tenderness over the cubital tunnel bilaterally, with positive Tinel's bilaterally. Strength was 5 out of 5 and sensation was normal. The impression was bilateral cubital tunnel syndrome and chronic pain. The treatment plan included electromyogram and nerve conduction studies of the bilateral upper extremities.

IMR ISSUES, DECISIONS AND RATIONALES

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

EMG left upper extremity: Overturned

Claims Administrator guideline: Decision based on MTUS ACOEM Chapter 10 Elbow Disorders (Revised 2007).

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

Decision rationale: ACOEM guidelines support ordering of imaging studies for emergence of red flags, physiologic evidence of tissue insult or neurologic dysfunction, failure to progress in a strengthening program intended to avoid surgery, and clarification of the anatomy prior to an invasive procedure. Physiologic evidence may be in the form of definitive neurologic findings on physical examination, electrodiagnostic studies, laboratory tests, or bone scans. Unequivocal findings that identify specific nerve compromise on the neurologic examination are sufficient evidence to warrant imaging studies if symptoms persist. 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. Per MTUS ACOEM p182, with regard to the detection of neurologic abnormalities, EMG for diagnosis of nerve root involvement if findings of history, physical exam, and imaging study are consistent, is not recommended. Per progress report dated 6/10/15, strength, reflex, and sensation were normal in the bilateral upper extremities. The documentation submitted for review does not contain evidence of neurologic dysfunction such as sensory, reflex, or motor system deficit. However, the injured worker does have a subjective sense of neuropathic pain. There is a discrepancy between history and physical. EMG is indicated, the request is medically necessary.

EMG right upper extremity: Overturned

Claims Administrator guideline: Decision based on MTUS ACOEM Chapter 10 Elbow Disorders (Revised 2007).

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

Decision rationale: ACOEM guidelines support ordering of imaging studies for emergence of red flags, physiologic evidence of tissue insult or neurologic dysfunction, failure to progress in a strengthening program intended to avoid surgery, and clarification of the anatomy prior to an invasive procedure. Physiologic evidence may be in the form of definitive neurologic findings on physical examination, electrodiagnostic studies, laboratory tests, or bone scans. Unequivocal findings that identify specific nerve compromise on the neurologic examination are sufficient evidence to warrant imaging studies if symptoms persist. 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. Per MTUS ACOEM p182, with regard to the detection of neurologic abnormalities, EMG for diagnosis of nerve root involvement if findings of history, physical exam, and imaging study are consistent, is not recommended. Per progress report dated 6/10/15, strength, reflex, and sensation were normal in the bilateral upper extremities. The documentation submitted for review does not contain evidence of neurologic dysfunction such as sensory, reflex, or motor system deficit. However,

the injured worker does have a subjective sense of neuropathic pain. There is a discrepancy between history and physical. EMG is indicated, the request is medically necessary.

NCV right upper extremity: Overturned

Claims Administrator guideline: Decision based on MTUS ACOEM Chapter 10 Elbow Disorders (Revised 2007).

MAXIMUS guideline: The Expert Reviewer did not base their decision on the MTUS. Decision based on Non-MTUS Citation Official Disability Guidelines (ODG) Low Back, Nerve conduction studies (NCS).

Decision rationale: Per the ODG guidelines with regard to NCS: Not recommended. There is minimal justification for performing nerve conduction studies when a patient is presumed to have symptoms on the basis of radiculopathy. (Utah, 2006) This systematic review and meta-analysis demonstrate that neurological testing procedures have limited overall diagnostic accuracy in detecting disc herniation with suspected radiculopathy. (Al Nezari, 2013) In the management of spine trauma with radicular symptoms, EMG/nerve conduction studies (NCS) often have low combined sensitivity and specificity in confirming root injury, and there is limited evidence to support the use of often uncomfortable and costly EMG/NCS. (Charles, 2013) See also the Carpal Tunnel Syndrome Chapter for more details on NCS. Studies have not shown portable nerve conduction devices to be effective. EMGs (electromyography) are recommended as an option (needle, not surface) to obtain unequivocal evidence of radiculopathy, after 1-month conservative therapy, but EMG's are not necessary if radiculopathy is already clinically obvious. Nerve conduction studies are indicated to diagnose cubital tunnel syndrome. The request is medically necessary.

NCV left upper extremity: Overturned

Claims Administrator guideline: Decision based on MTUS ACOEM Chapter 10 Elbow Disorders (Revised 2007).

MAXIMUS guideline: The Expert Reviewer did not base their decision on the MTUS. Decision based on Non-MTUS Citation Official Disability Guidelines (ODG) Low Back, Nerve conduction studies (NCS).

Decision rationale: Per the ODG guidelines with regard to NCS: Not recommended. There is minimal justification for performing nerve conduction studies when a patient is presumed to have symptoms on the basis of radiculopathy. (Utah, 2006) This systematic review and meta-analysis demonstrate that neurological testing procedures have limited overall diagnostic accuracy in detecting disc herniation with suspected radiculopathy. (Al Nezari, 2013) In the management of spine trauma with radicular symptoms, EMG/nerve conduction studies (NCS) often have low combined sensitivity and specificity in confirming root injury, and there is limited evidence to support the use of often uncomfortable and costly EMG/NCS. (Charles, 2013) See also the Carpal Tunnel Syndrome Chapter for more details on NCS. Studies have not shown portable nerve conduction devices to be effective. EMGs (electromyography) are recommended as an option (needle, not surface) to obtain unequivocal evidence of radiculopathy, after 1-month conservative therapy, but EMG's are not necessary if radiculopathy is already clinically obvious. Nerve conduction studies are indicated to diagnose cubital tunnel syndrome. The request is medically necessary.