

<b>Case Number:</b>	CM15-0104764		
<b>Date Assigned:</b>	06/09/2015	<b>Date of Injury:</b>	06/26/2012
<b>Decision Date:</b>	07/10/2015	<b>UR Denial Date:</b>	05/05/2015
<b>Priority:</b>	Standard	<b>Application Received:</b>	06/01/2015

### 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: North Carolina  
 Certification(s)/Specialty: Family Practice

### 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 43 year old female, who sustained an industrial injury on 6/26/2012. The mechanism of injury is unknown. The injured worker was diagnosed as having cervical disc herniation-status post anterior cervical discectomy and fusion, cervical musculoligamentous sprain/strain and lumbar strain with multilevel degenerative disc disease. Cervical spine x rays show stable anterior cervical discectomy and fusion. Treatment to date has included surgery, physical therapy and medication management. In a progress note dated 4/27/2015, the injured worker reported improving neck pain. Pain was rated 7/10 without medications and 3/10 with medications. Physical examination showed cervical and lumbar tenderness and decreased lumbar range of motion. The treating physician is requesting Ambien 5 mg #30 and Flector patch 1.3 mg #30.

### IMR ISSUES, DECISIONS AND RATIONALES

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

**Ambien 5mg #30:** 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 ODG, insomnia.

**Decision rationale:** The California MTUS and the ACOEM do not specifically address this medication. Per the official disability guidelines recommend pharmacological agents for insomnia only is used after careful evaluation of potential causes of sleep disturbance. Primary insomnia is usually addressed pharmacologically. Secondary insomnia may be treated with pharmacological and/or psychological measures. Pharmacological treatment consists of four main categories: Benzodiazepines, Non-benzodiazepines, Melatonin and melatonin receptor agonists and over the counter medications. Sedating antidepressants have also been used to treat insomnia however there is less evidence to support their use for insomnia, but they may be an option in patients with coexisting depression. The patient does not have the diagnosis of primary insomnia. There is also no documentation of first line insomnia treatment options such as sleep hygiene measures. Therefore, the request is not medically necessary.

**Flector patch 1.3mg #30:** Upheld

**Claims Administrator guideline:** Decision based on MTUS Chronic Pain Treatment Guidelines topical analgesics. Decision based on Non-MTUS Citation Official Disability Guidelines Chapter: Pain.

**MAXIMUS guideline:** Decision based on MTUS Chronic Pain Treatment Guidelines topical NSAID Page(s): 111-112.

**Decision rationale:** The California chronic pain medical treatment guidelines section on topical analgesics states: Recommended as an option as indicated below. Largely experimental in use with few randomized controlled trials to determine efficacy or safety. Primarily recommended for neuropathic pain when trials of antidepressants and anticonvulsants have failed. (Namaka, 2004) These agents are applied locally to painful areas with advantages that include lack of systemic side effects, absence of drug interactions, and no need to titrate. (Colombo, 2006) Many agents are compounded as monotherapy or in combination for pain control (including NSAIDs, opioids, capsaicin, local anesthetics, antidepressants, glutamate receptor antagonists, adrenergic receptor agonist, adenosine, cannabinoids, cholinergic receptor agonists, agonists, prostanoids, bradykinin, adenosine triphosphate, biogenic amines, and nerve growth factor). (Argoff, 2006) There is little to no research to support the use of many of these agents. Any compounded product that contains at least one drug (or drug class) that is not recommended is not recommended. Non-steroidal anti-inflammatory agents (NSAIDs): The efficacy in clinical trials for this treatment modality has been inconsistent and most studies are small and of short duration. Topical NSAIDs have been shown in meta-analysis to be superior to placebo during the first 2 weeks of treatment for osteoarthritis, but either not afterward, or with a diminishing effect over another 2-week period. (Lin, 2004) (Bjordal, 2007) (Mason, 2004) When investigated specifically for osteoarthritis of the knee, topical NSAIDs have been shown to be superior to placebo for 4 to 12 weeks. In this study the effect appeared to diminish over time and it was stated that further research was required to determine if results were similar for all preparations. (Biswal, 2006) These medications may be useful for chronic musculoskeletal pain, but there are no long-term studies of their effectiveness or safety. (Mason, 2004) Indications: Osteoarthritis

and tendinitis, in particular, that of the knee and elbow or other joints that are amenable to topical treatment: Recommended for short-term use (4-12 weeks). There is little evidence to utilize topical NSAIDs for treatment of osteoarthritis of the spine, hip or shoulder. Neuropathic pain: Not recommended as there is no evidence to support use. FDA-approved agents: Voltaren Gel 1% (diclofenac): Indicated for relief of osteoarthritis pain in joints that lend themselves to topical treatment (ankle, elbow, foot, hand, knee, and wrist). It has not been evaluated for treatment of the spine, hip or shoulder. Maximum dose should not exceed 32 g per day (8 g per joint per day in the upper extremity and 16 g per joint per day in the lower extremity). The most common adverse reactions were dermatitis and pruritus. (Voltaren package insert) For additional adverse effects: See NSAIDs, GI symptoms and cardiovascular risk; & NSAIDs, hypertension and renal function. Non FDA-approved agents: Ketoprofen: This agent is not currently FDA approved for a topical application. It has an extremely high incidence of photocontact dermatitis. (Diaz, 2006) (Hindsen, 2006) Absorption of the drug depends on the base it is delivered in. (Gurol, 1996). Topical treatment can result in blood concentrations and systemic effect comparable to those from oral forms, and caution should be used for patients at risk, including those with renal failure. (Krummel 2000) Topical analgesic NSAID formulations are not indicated for long-term use and have little evidence for treatment of the spine, hip or shoulder.

This patient does not have a diagnosis of osteoarthritis or neuropathic pain that has failed first line treatment options. Therefore, criteria for the use of topical NSAID therapy per the California MTUS have not been met and the request is not medically necessary.