

MELOXICAM – meloxicam Tablet
A-5 Medication Solutions

HIGHLIGHTS OF PRESCRIBING INFORMATION
These highlights do not include all of the information needed to use MELOXICAM TABLETS USP.
USP, safety and efficacy. See full prescribing information for MELOXICAM TABLETS USP.
MELOXICAM Tablets USP, for oral use
Initial U.S. Approval: 2000

WARNING: Risk of Serious Cardiovascular and Gastrointestinal Events
See full prescribing information for complete boxed warning.
• **Nonsteroidal anti-inflammatory drugs (NSAIDs) cause an increased risk of serious cardiovascular thrombotic events, including myocardial infarction and stroke, which can be fatal. This risk may occur early in treatment and may increase with duration.**
• **MELOXICAM causes an increased risk of serious gastrointestinal (GI) adverse events including ulceration and perforation of the stomach or intestines, which can be fatal. These events can occur at any time during use and without warning symptoms. Elderly patients and patients with a prior history of peptic ulcer disease and/or bleeding are at greater risk for serious GI events (2.2).**

RECENT MAJOR CHANGES
Warnings: Updated
Indications and Administration: Juvenile Rheumatoid Arthritis (JRA) Paucilaricular and Polyarticular Course (3.3)
Dosing and Administration: Juvenile Rheumatoid Arthritis (JRA) Paucilaricular and Polyarticular Course (3.3)
Warnings and Precautions: Cardiovascular Thrombotic Events (2.1), GI Events (2.2) and (2.3)
Warnings and Precautions: Renal Impairment (2.5), (2.6), (2.7), (2.8), (2.9)

INDICATIONS AND USAGE
MELOXICAM Tablets are a nonsteroidal anti-inflammatory drug indicated for:
• Osteoarthritis (OA) (1)
• Rheumatoid Arthritis (RA) (2)
• Juvenile Rheumatoid Arthritis (JRA) in patients who weigh ≥60 kg (3.3)

DOSEAGE AND ADMINISTRATION
Use the lowest effective dosage for the shortest duration consistent with individual patient treatment goals (2.1).
• OA (2.1) and (2.2)
• RA (2.3) and (2.4)
• JRA (2.5)
• 7.5 mg once daily in children aged 6 to 16 years (2.6)
MELOXICAM Tablets are not interchangeable with approved formulations of oral meloxicam even if the total meloxicam strength is the same (2.8).

DOSEAGE FORMS AND STRENGTHS
• MELOXICAM Tablets USP: 7.5 mg and 15 mg (3)

CONTRAINDICATIONS
• Known hypersensitivity to meloxicam or any components of the drug product (4)
• History of asthma, urticaria, or other allergic-type reactions after taking aspirin or other NSAIDs (4)
• The setting of CABG surgery (4)

WARNINGS AND PRECAUTIONS
• **Cardiovascular Thrombotic Events**
Nonsteroidal anti-inflammatory drugs (NSAIDs) cause an increased risk of serious cardiovascular thrombotic events, including myocardial infarction and stroke, which can be fatal. This risk may occur early in treatment and may increase with duration of use. See Warnings and Precautions (5.1) and (5.2).
• **GI Events**
MELOXICAM causes an increased risk of serious gastrointestinal (GI) adverse events including ulceration and perforation of the stomach or intestines, which can be fatal. These events can occur at any time during use and without warning symptoms. Elderly patients and patients with a prior history of peptic ulcer disease and/or bleeding are at greater risk for serious GI events (2.2).
• **Renal Impairment**
The use of MELOXICAM Tablets in subjects with severe renal impairment is not recommended.
• **Non-Interchangeability with Other Formulations of Meloxicam**
MELOXICAM Tablets have not shown equivalent systemic exposure to other approved formulations of oral meloxicam. Therefore, MELOXICAM Tablets are not interchangeable with other formulations of oral meloxicam product even if the total meloxicam strength is the same. Do not substitute similar strength of MELOXICAM Tablets with other formulations of oral meloxicam product.

ADVERSE REACTIONS
• Most common (≥10% and greater than placebo) adverse events in adults are: dizziness, upper respiratory tract infection, headache, and influenza like symptoms (6.1).
• In clinical studies, the most common adverse events in children were: headache, upper respiratory tract infection, and flu-like symptoms (6.2).

TO REPORT SUSPECTED ADVERSE REACTIONS, contact Inchem Pharmaceuticals (ISAL, Inc. at 1-800-563-4614 or FDA at 1-800-FDA or www.fda.gov/medwatch.

HOW SUPPLIED/STORAGE AND HANDLING
• MELOXICAM Tablets USP are supplied in 7.5 mg and 15 mg oral tablets.
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See 17 for PATIENT COUNSELING INFORMATION and Medication Guide. Revised: 4/2011

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FULL PRESCRIBING INFORMATION

WARNING: Risk of Serious Cardiovascular and Gastrointestinal Events

Cardiovascular Thrombotic Events
• **Nonsteroidal anti-inflammatory drugs (NSAIDs) cause an increased risk of serious cardiovascular thrombotic events, including myocardial infarction and stroke, which can be fatal. This risk may occur early in treatment and may increase with duration of use. See Warnings and Precautions (5.1) and (5.2).**
• **Meloxicam tablets are contraindicated in the setting of coronary artery bypass graft (CABG) surgery. See Contraindications (4) and Warnings and Precautions (5.1) (1).**

Gastrointestinal Bleeding, Ulceration, and Perforation
• **NSAIDs cause an increased risk of serious gastrointestinal (GI) adverse events including bleeding, ulceration, and perforation of the stomach or intestines, which can be fatal. These events can occur at any time during use and without warning symptoms. Elderly patients and patients with a prior history of peptic ulcer disease and/or bleeding are at greater risk for serious GI events. See Warnings and Precautions (5.2) (1).**

Renal Impairment
The use of MELOXICAM Tablets in subjects with severe renal impairment is not recommended.

Non-Interchangeability with Other Formulations of Meloxicam
MELOXICAM Tablets have not shown equivalent systemic exposure to other approved formulations of oral meloxicam. Therefore, MELOXICAM Tablets are not interchangeable with other formulations of oral meloxicam product even if the total meloxicam strength is the same. Do not substitute similar strength of MELOXICAM Tablets with other formulations of oral meloxicam product.

DOSEAGE FORMS AND STRENGTHS
MELOXICAM Tablets USP:
• 7.5 mg light yellow, round flat beveled edged, tablet with U & L debossed on one side and 7.5 debossed centrally on the other side
• 15 mg light yellow, capsule shaped, biconvex, tablet with U & L debossed on one side and 15 debossed centrally on the other side

CONTRAINDICATIONS
MELOXICAM Tablets are contraindicated in the following patients:
• Known hypersensitivity (i.e., anaphylactic reactions and serious skin reactions) to (5.1, 5.2)
• History of asthma, urticaria, or other allergic-type reactions after taking aspirin or other NSAIDs. Severe, sometimes fatal, anaphylactic reactions to NSAIDs have been reported in such patients (See Warnings and Precautions (5.1, 5.2)).
• In the setting of coronary artery bypass graft (CABG) surgery (See Warnings and Precautions (5.1) (1)).

5 WARNINGS AND PRECAUTIONS

5.1 Cardiovascular Thrombotic Events

Clinical trials of several COX-2 selective and nonselective NSAIDs of up to three years duration have shown an increased risk of serious cardiovascular (CV) thrombotic events, including myocardial infarction (MI) and stroke, which can be fatal. Based on multiple data, it is unclear but the risk for CV thrombotic events is similar for all NSAIDs. The relative increase in risk for CV thrombotic events over baseline estimates by NSAID use appears to be similar in those with and without known CV disease or risk factors for CV disease. However, patients with known CV disease or risk factors had a higher absolute risk/benefit of access serious CV thrombotic events, due to their increased baseline risk. Some observational studies found that the increased risk of serious CV thrombotic events began as early as the first weeks of treatment. The increase in CV thrombotic risk has been observed most consistently at higher doses.

To minimize the potential risk for an adverse CV event in NSAID-treated patients, use the lowest effective dose for the shortest duration possible. Physicians and patients should remain alert for the development of such events throughout the entire treatment course, even in the absence of previous CV symptoms. Patients should be informed about the symptoms of serious CV events and the steps to take if they occur.

There is no consistent evidence that concurrent use of aspirin mitigates the increased risk of serious CV thrombotic events associated with NSAID use. The concurrent use of aspirin and an NSAID, such as meloxicam, increases the risk of serious gastrointestinal (GI) events [see Warnings and Precautions (5.2)].

Place-Plus Comparative Active Population Study of Oral Surgery

Two large, controlled clinical trials of a COX-2 selective NSAID for the treatment of pain in the first 12-14 days following CABG surgery found an increased incidence of myocardial infarction and stroke. NSAIDs are contraindicated in the setting of CABG [see Boxed Warning (4)].

Post-Marketing

Observational studies conducted in the Danish National Registry have demonstrated that patients treated with NSAIDs in the post-Marketing period were at increased risk of reoperation, CV-related death, and all-cause mortality beginning in the first week of treatment. In this latter cohort, the incidence of death in the first year post-treatment was 20 per 100 person-years in NSAID-treated patients compared to 12 per 100 person-years in non-NSAID exposed patients. Although the absolute risk of death declined somewhat after the first year post-Marketing, the increased relative risk of death in NSAID users persisted over at least the next four years of follow-up.

Avoid the use of Meloxicam in patients with a recent MI unless the benefits are expected to outweigh the risk of recurrent CV thrombotic events. If Meloxicam is used in patients with a recent MI, monitor patients for signs of cardiac ischemia.

5.2 Gastrointestinal Bleeding, Ulceration, and Perforation

NSAIDs, including meloxicam, can cause serious gastrointestinal (GI) adverse events including ulceration, bleeding, ulceration, and perforation of the esophagus, stomach, and small intestine, or large intestine, which can be fatal. These serious adverse events can occur at any time, with or without warning symptoms, in patients treated with NSAIDs. Only 10% of patients who develop a serious upper GI adverse event on NSAID therapy are symptomatic. Upper GI ulcers, gross bleeding, or perforation caused by NSAIDs occurred in approximately 1% of patients treated for 3-6 months, and in about 2-4% of patients treated for one year. However, even short-term NSAID therapy is not without risk.

Risk Factors for GI Bleeding, Ulceration, and Perforation

Patients with a prior history of peptic ulcer disease and/or GI bleeding who used NSAIDs had a greater than 10-fold increased risk for developing a GI bleed compared to patients without these risk factors. Other factors that increase the risk of GI bleed in patients treated with NSAIDs include longer duration of NSAID therapy; concomitant use of oral corticosteroids, aspirin, anticoagulants, or selective serotonin reuptake inhibitors (SSRIs); smoking; use of alcohol; older age; and poor general health status. Most postmarketing reports of fatal GI events occurred in elderly or debilitated patients. Additionally, patients with advanced liver disease and/or coagulopathy are at increased risk for GI bleeding.

Strategies to Minimize the GI Risks in NSAID-treated patients

- Use the lowest effective dosage for the shortest possible duration.
- Avoid administration of more than one NSAID at a time.
- Avoid use in patients at higher risk unless benefits are expected to outweigh the increased risk of bleeding. For such patients, use as those with active GI bleeding, consider alternate therapies other than NSAIDs.
- Remain alert for signs and symptoms of GI ulceration and bleeding during NSAID therapy.
- If a serious adverse event is suspected, promptly initiate evaluation and treatment, and discontinue Meloxicam until a serious GI adverse event is ruled out.
- In the setting of concomitant use of low-dose aspirin for cardiac prophylaxis, monitor patients more closely for evidence of GI bleeding [see Drug Interactions (7)].

5.3 Hepatotoxicity

Elevations of ALT or AST three or more times ULN (upper limit of normal [ULN]) have been reported in approximately 1% of NSAID-treated patients in clinical trials. In addition, rare, sometimes fatal, cases of severe hepatic injury, including fulminant hepatitis, liver necrosis, and hepatic failure have been reported.

Elevations of ALT or AST (less than three times ULN) may occur in up to 15% of patients treated with NSAIDs, including meloxicam.

Infrequent symptoms of the warning signs and symptoms of hepatotoxicity (e.g., nausea, fatigue, lethargy, diarrhea, pruritus, jaundice, right upper quadrant tenderness, and "flu-like" symptoms). If clinical signs and symptoms consistent with liver disease develop, or if abnormal test results occur (e.g., abnormal liver test results, decreased hemoglobin, and/or prolonged prothrombin time), discontinue meloxicam immediately, and perform a clinical evaluation of the patient [see Use in Specific Populations (8.2) and Clinical Pharmacology (12.3)].

5.4 Hypertension

NSAIDs, including Meloxicam, can lead to new onset or worsening of preexisting hypertension, either of which may contribute to the increased incidence of CV events. Patients taking antihypertensive converting enzyme (ACE) inhibitors, thiazide diuretics, or loop diuretics may have impaired response to these therapies when taking NSAIDs [see Drug Interactions (7)].

Monitor blood pressure (BP) during the initiation of NSAID treatment and throughout the course of therapy.

5.5 Heart Failure and Edema

The Celecoxib and Traditional NSAID Trials Collaborator meta-analysis of randomized controlled trials demonstrated an approximately two-fold increase in hospitalizations for heart failure in COX-2 selective NSAID-treated patients and nonselective NSAID-treated patients compared to placebo-treated patients. In a Danish national registry study of patients with heart failure, NSAID use increased the risk of MI, hospitalization for heart failure, and death.

Additionally, fluid retention and edema have been observed in some patients treated with NSAIDs. Use of meloxicam may blunt the effects of several therapeutic agents used to treat these medical conditions (e.g., diuretics, ACE inhibitors, or angiotensin II receptor blockers [ARBs]) [see Drug Interactions (7)].

Avoid the use of Meloxicam in patients with severe heart failure unless the benefits are expected to outweigh the risk of worsening heart failure. If Meloxicam is used in patients with severe heart failure, monitor patients for signs of worsening heart failure.

5.6 Renal Toxicity and Hyperkalemia

Renal Toxicity

Long-term administration of NSAIDs, including Meloxicam, has resulted in renal papillary necrosis, renal insufficiency, acute renal failure, and other renal injury.

Renal toxicity has also been seen in patients in whom renal prostaglandins have a compensatory role in the maintenance of renal perfusion. In these patients, administration of an NSAID may cause a dose-dependent reduction in prostaglandin formation and, secondary, in renal blood flow, which may precipitate renal decompensation. Patients at greatest risk of this reaction are those with impaired renal function, dehydration, hypotension, heart failure, liver dysfunction, those taking diuretics and ACE inhibitors or ARBs, and the elderly. Discontinuation of NSAID therapy is usually followed by recovery in the posttreatment course.

The renal effects of Meloxicam may hasten the progression of renal dysfunction in patients with preexisting renal disease. Because some Meloxicam metabolites are excreted by the kidney, monitor patients for signs of worsening renal function.

Correct volume status in dehydrated or hypovolemic patients prior to initiating Meloxicam. Monitor renal function in patients with renal or hepatic impairment, heart failure, dehydration, or hypovolemia during use of Meloxicam [see Drug Interactions (7)].

No information is available from controlled clinical studies regarding the use of Meloxicam in patients with advanced renal disease. Avoid the use of Meloxicam in patients with advanced renal disease unless the benefits are expected to outweigh the risk of worsening renal function. If Meloxicam is used in patients with advanced renal disease, monitor patients for signs of worsening renal function [see Clinical Pharmacology (12.3)].

Hyperkalemia

Increases in serum potassium concentration, including hyperkalemia, have been reported with use of NSAIDs, even in some patients without renal impairment. In patients with normal renal function, these effects have been attributed to a hyperkalemic nephropathy mechanism.

5.7 Anaphylactic Reactions

Meloxicam has been associated with anaphylactic reactions in patients with and without known hypersensitivity to meloxicam and in patients with aspirin-sensitive asthma [see Contraindications (4) and Warnings and Precautions (3.8)].

Seek emergency help if an anaphylactic reaction occurs.

5.8 Exacerbation of Asthma Related to Aspirin Sensitivity

A subgroup of patients with asthma may have aspirin-sensitive asthma which may include chronic rhinosinusitis complicated by nasal polyps; severe, persistent, fatal bronchospasm; and/or intolerance to aspirin and other NSAIDs. Because cross-reactivity between aspirin and other NSAIDs has been reported in such aspirin-sensitive patients, Meloxicam is contraindicated in patients with the form of aspirin sensitivity [see Contraindications (4)]. When Meloxicam is used in patients with preexisting asthma (without known aspirin sensitivity), monitor patients for changes in the signs and symptoms of asthma.

5.9 Serious Skin Reactions

NSAIDs, including meloxicam, can cause serious skin adverse reactions such as exfoliative dermatitis, Stevens Johnson Syndrome (SJS), and toxic epidermal necrolysis (TEN), which can be fatal. These serious events may occur without warning. Inform patients about the signs and symptoms of serious skin reactions, and to discontinue the use of Meloxicam at the first appearance of skin rash or any other sign of hypersensitivity. Meloxicam is contraindicated in patients with previous serious skin reactions to NSAIDs [see Contraindications (4)].

5.10 Premature Closure of Fetal Ductus Arteriosus

Meloxicam may cause premature closure of the fetal ductus arteriosus. Avoid use of NSAIDs, including Meloxicam, in pregnant women starting at 30 weeks of gestation (third trimester) [see Use in Specific Populations (8.1)].

5.11 Hematologic Toxicity

Anemia has occurred in NSAID-treated patients. This may be due to occult or gross blood loss, fluid retention, or an incompletely described effect on erythropoiesis. If a patient treated with Meloxicam has any signs or symptoms of anemia, monitor hemoglobin or hematocrit.

NSAIDs, including Meloxicam, may increase the risk of bleeding events. Concomitant conditions such as coagulation disorders or concomitant use of warfarin, other anticoagulants, antiplatelet agents (e.g., aspirin), serotonin reuptake inhibitors (SSRIs) and serotonin norepinephrine reuptake inhibitors (SNRIs) may increase this risk. Monitor these patients for signs of bleeding [see Drug Interactions (7)].

5.12 Masking of Inflammation and Fever

The pharmacological activity of Meloxicam in reducing inflammation, and possibly fever, may diminish the utility of diagnostic signs in detecting infections.

5.13 Laboratory Monitoring

Because serious GI bleeding, hepatotoxicity, and renal injury can occur without warning symptoms or signs, consider monitoring patients on long-term NSAID treatment with a CBC and a chemistry profile periodically [see Warnings and Precautions (5.2), (5.3), (5.6)].

6 ADVERSE REACTIONS

The following adverse reactions are discussed in greater detail in other sections of the labeling:

- Cardiovascular Thrombotic Events [see Boxed Warning and Warnings and Precautions (5.1)]
- GI Bleeding, Ulceration, and Perforation [see Boxed Warning and Warnings and Precautions (5.2)]
- Hepatotoxicity [see Warnings and Precautions (5.3)]
- Hypertension [see Warnings and Precautions (5.4)]
- Heart Failure and Edema [see Warnings and Precautions (5.5)]
- Renal Toxicity and Hyperkalemia [see Warnings and Precautions (5.6)]
- Anaphylactic Reactions [see Warnings and Precautions (5.7)]
- Serious Skin Reactions [see Warnings and Precautions (5.9)]
- Hemorrhagic Toxicity [see Warnings and Precautions (5.11)]

6.1 Clinical Trial Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of this drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

Adults

Onset/Offset and Rheumatoid Arthritis

The Meloxicam Phase 2/3 clinical trial database includes 10,122 OA patients and 1012 RA patients treated with Meloxicam 7.5 mg/day, 3559 OA patients and 2315 RA patients treated with Meloxicam 15 mg/day. Meloxicam at these doses was administered to 661 patients for at least 6 months and to 333 patients for at least one year. Approximately 15,000 of these patients were treated in 10 placebo- and/or active-controlled osteoarthritis trials and 2353 of these patients were treated in 10 placebo- and/or active-controlled rheumatoid arthritis trials. Gastrointestinal (GI) adverse events were the most frequently reported adverse events in all treatment groups across Meloxicam trials.

A 12-week multicenter, double-blind, randomized trial was conducted in patients with osteoarthritis of the knee or hip to compare the efficacy and safety of Meloxicam with placebo and with an active control. Two 12-week multicenter, double-blind, randomized trials were conducted in patients with rheumatoid arthritis to compare the efficacy and safety of Meloxicam with placebo.

Clearance of meloxicam increased with the degree of renal impairment while free AUC values were similar in all groups. The higher meloxicam clearance in subjects with renal impairment may be due to increased fraction of unchanged meloxicam which is available for hepatic metabolism and subsequent excretion. No dosage adjustment is necessary in patients with mild to moderate renal impairment. Patients with severe renal impairment have not been adequately studied. The use of Meloxicam in subjects with severe renal impairment is not recommended [See Dosage and Administration (2.3), Warnings and Precautions (5.4) and Use in Specific Populations (8.7)].

Nonsteroidal

Following a single dose of meloxicam, the free Cmax (plasma concentrations) were higher in patients with renal failure or chronic hemodialysis (3% free fraction) in comparison to healthy volunteers (0.3% free fraction). Hemodialysis did not lower the total drug concentration in plasma; therefore, additional doses are not necessary after hemodialysis. Meloxicam is not dialyzable [See Dosage and Administration (2.3) and Use in Specific Populations (8.7)].

Drug Interactions Studies

Aspirin: When NSAIDs were administered with aspirin, the protein binding of NSAIDs were reduced, although the clearance of free NSAID was not altered. When Meloxicam is administered with 1000 mg three times daily to healthy volunteers, it failed to increase the AUC (10%) and Cmax (24%) of meloxicam. The clinical significance of this interaction is not known. See Table 1 for clinically significant drug interactions of NSAIDs with aspirin [see Drug Interactions (7)].

Cholestyramine: Pretreatment for four days with cholestyramine significantly increased the clearance of meloxicam by 50%. This resulted in a decrease in $t_{1/2}$ from 19.2 hours to 12.5 hours and 35% reduction in the AUC. This suggests the existence of a meloxicam reabsorption pathway for meloxicam in the gastrointestinal tract. The clinical relevance of the interaction has not been established.

Cimetidine: Concurrent administration of 200 mg cimetidine four times daily did not alter the single-dose pharmacokinetics of 30 mg meloxicam.

Digoxin: Meloxicam 15 mg once daily for 7 days did not alter the plasma concentration profile of digoxin after β -acetylglucosaminidase administration for 7 days at clinical doses. In vitro testing found no protein binding drug interaction between digoxin and meloxicam.

Lithium: In a study conducted in healthy subjects, mean pre-dose lithium concentration and AUC were increased by 21% in subjects receiving lithium doses ranging from 904 to 1072 mg twice daily with meloxicam 15 mg QD every day as compared to subjects receiving lithium alone [see Drug Interactions (7)].

Methotrexate: A study in 13 rheumatoid arthritis (RA) patients evaluated the effects of multiple doses of meloxicam on the pharmacokinetics of methotrexate taken once weekly. Meloxicam did not have a significant effect on the pharmacokinetics of single doses of methotrexate. In vitro, methotrexate does not displace meloxicam from its human serum binding sites [see Drug Interactions (7)].

Warfarin: The effect of meloxicam on the anticoagulant effect of warfarin was studied in a group of healthy subjects receiving daily doses of warfarin that produced an INR (International Normalized Ratio) between 1.2 and 1.8. In these subjects, meloxicam did not alter warfarin pharmacokinetics or the average anticoagulant effect of warfarin as determined by prothrombin time. However, one subject showed an increase in INR from 1.5 to 2.1. Caution should be used when administering Meloxicam with warfarin since patients on warfarin may experience changes in INR and an increased risk of bleeding complications when a new medication is introduced [see Drug Interactions (7)].

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis

There was no increase in tumor incidence in long-term carcinogenicity studies in rats (104 weeks) and mice (90 weeks) administered meloxicam at oral doses up to 0.8 mg/kg/day in rats and up to 8.0 mg/kg/day in mice (up to 0.5- and 2.5-times, respectively, the maximum recommended human dose (MRHD) of 15 mg/day Meloxicam based on body surface area (BSA) comparison).

Mutagenesis

Meloxicam was not mutagenic in an Ames assay, or clastogenic in a chromosome aberration assay with human lymphocytes and an in vivo micronucleus test in mouse bone marrow.

Impairment of Fertility

Meloxicam did not impair male and female fertility in rats at oral doses up to 9 mg/kg/day in males and 5 mg/kg/day in females (up to 0.5- and 3.2-times greater, respectively, than the MRHD based on BSA comparison).

14 CLINICAL STUDIES

14.1 Osteoarthritis and Rheumatoid Arthritis

The use of Meloxicam for the treatment of the signs and symptoms of osteoarthritis of the knee and hip was evaluated in a 12-week, double-blind, controlled trial. Meloxicam (7.5 mg, 7.5 mg, and 15 mg daily) was compared to placebo. The four primary endpoints were investigator's global assessment, patient global assessment, patient pain assessment, and total WOMAC score (a self-administered questionnaire addressing pain, function, and stiffness). Patients on Meloxicam (7.5 mg daily and Meloxicam 15 mg daily showed significant improvement in each of these endpoints compared with placebo.

The use of Meloxicam for the management of signs and symptoms of osteoarthritis was evaluated in six double-blind, active-controlled trials outside the U.S., ranging from 4 weeks to 6 months duration. In these trials, the efficacy of Meloxicam in doses of 7.5 mg/day and 15 mg/day, was comparable to placebo, 20 mg/day and diclofenac SR 100 mg/day and consistent with the efficacy seen in the U.S. trial.

The use of Meloxicam for the treatment of the signs and symptoms of rheumatoid arthritis was evaluated in a 12-week, double-blind, controlled multinational trial. Meloxicam (7.5 mg, 7.5 mg, and 22.5 mg daily) was compared to placebo. The primary endpoint was investigator's global assessment, a composite of patient global assessment, laboratory and functional measures of RA response. Patients receiving Meloxicam 7.5 mg and 15 mg daily showed significant improvement in the primary endpoint compared with placebo. No incremental benefit was observed with the 22.5 mg dose compared to the 15 mg dose.

14.2 Juvenile Rheumatoid Arthritis (JRA) Pauciarticular and Polyarticular Course

The use of Meloxicam for the treatment of the signs and symptoms of pauciarticular or polyarticular course Juvenile Rheumatoid Arthritis in patients 2 years of age and older was evaluated in two 12-week, double-blind, parallel, active-controlled trials.

Both studies included three arms: naproxen and low doses of meloxicam. In both studies, meloxicam dosing began at 0.125 mg/kg/day (7.5 mg maximum) or 0.25 mg/kg/day (15 mg maximum), and naproxen dosing began at 10 mg/kg/day. One study used these doses throughout the 12-week dosing period, while the other incorporated a titration after 4 weeks to doses of 0.25 mg/kg/day and 0.375 mg/kg/day (22.5 mg maximum) of meloxicam and 15 mg/kg/day of naproxen.

The efficacy analyses used the ACR Pediatric 30 responder definition, a composite of parent and investigator assessments, counts of active joints and joints with limited range of motion, and erythrocyte sedimentation rate. The proportion of responders was similar in all three groups in both studies, and no difference was observed between the meloxicam dose groups.

14.3 Juvenile Rheumatoid Arthritis (JRA) Pauciarticular and Polyarticular Course

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Both studies included three arms: naproxen and low doses of meloxicam. In both studies, meloxicam dosing began at 0.125 mg/kg/day (7.5 mg maximum) or 0.25 mg/kg/day (15 mg maximum), and naproxen dosing began at 10 mg/kg/day. One study used these doses throughout the 12-week dosing period, while the other incorporated a titration after 4 weeks to doses of 0.25 mg/kg/day and 0.375 mg/kg/day (22.5 mg maximum) of meloxicam and 15 mg/kg/day of naproxen.

The efficacy analyses used the ACR Pediatric 30 responder definition, a composite of parent and investigator assessments, counts of active joints and joints with limited range of motion, and erythrocyte sedimentation rate. The proportion of responders was similar in all three groups in both studies, and no difference was observed between the meloxicam dose groups.

16 HOW SUPPLIED/STORAGE AND HANDLING

Product: 50000-4898

NDC: 50000-4896-90 TABLET in a BOTTLE

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Medication Guide) that accompanies each prescription dispensed.

Additional Medication Guides can be obtained by calling Unichem at 1-866-562-4616.

Inform patients, families or their caregivers of the following information before initiating therapy with an NSAID and periodically during the course of ongoing therapy.

Cardiovascular Thrombotic Events

Advise patients to be alert for the symptoms of cardiovascular thrombotic events, including chest pain, shortness of breath, weakness, or slurring of speech, and to report any of these symptoms to their healthcare provider immediately [see Warnings and Precautions (5.1)].

Neurological Effects, Seizures, and Dizziness

Advise patients to report symptoms of dizziness and bleeding, including epistaxis, purpura, dyspepsia, melena, and hematemesis to their healthcare provider. In the setting of concomitant use of low-dose aspirin for cardiac prophylaxis, inform patients of the increased risk for the signs and symptoms of GI bleeding [see Warnings and Precautions (5.2)].

Headaches

Inform patients of the warning signs and symptoms of headaches by (e.g., nausea, fatigue, lethargy, diarrhea, purpura, jaundice, right upper quadrant tenderness, and "flu-like" symptoms). If these occur, instruct patients to stop Meloxicam tablets and seek immediate medical therapy [see Warnings and Precautions (5.3)].

Heart Failure and Edema

Advise patients to be alert for the symptoms of congestive heart failure including shortness of breath, unexplained weight gain, or edema and to contact their healthcare provider if such symptoms occur [see Warnings and Precautions (5.3)].

Anaphylactic Reactions

Inform patients of the signs of an anaphylactic reaction (e.g., difficulty breathing, swelling of the face or throat). Instruct patients to seek immediate emergency help if these occur [see Contraindications (6) and Warnings and Precautions (5.7)].

Serious Skin Reactions

Advise patients to stop Meloxicam tablets immediately if they develop any type of rash and to contact their healthcare provider as soon as possible [see Warnings and Precautions (5.8)].

Fertility/Fecundity

Advise females of reproductive potential who desire pregnancy that NSAIDs, including Meloxicam tablets, may be associated with a reversible delay in ovulation [see Use in Specific Populations (8.2)].

Fetal Toxicity

Inform pregnant women to avoid use of Meloxicam tablets and other NSAIDs starting at 30 weeks gestation because of the risk of the premature closing of the fetal ductus arteriosus [see Warnings and Precautions (5.10) and Use in Specific Populations (8.2)].

Adult Concomitant Use of NSAIDs

Inform patients that the concomitant use of Meloxicam tablets with other NSAIDs or salicylates (e.g., effervescent salicylates) is not recommended due to the increased risk of gastrointestinal toxicity, and Bleeding or increased effects [see Warnings and Precautions (5.2) and Drug Interactions (7)]. Advise patients that NSAIDs may be present in "over the counter" medications for treatment of colds, fever, or pain.

Use of NSAIDs and Low-Dose Aspirin

Inform patients not to use low-dose aspirin concomitantly with Meloxicam tablets until they talk to their healthcare provider [see Drug Interactions (7)].

For current prescribing information, call Unichem at 1-866-562-4616.

Manufactured by:

UNICHEM LABORATORIES LTD.

Plaine Ind. Estate,

Plaine Barbois, Goa-403511, India

Manufactured for:

UNICHEM
PHARMACEUTICALS (USA) INC.

East Brunswick, NJ 08816

09-A-11/2020

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SPL MEDGUIDE

<p>Medication Guide for Nonsteroidal Anti-inflammatory Drugs (NSAIDs)</p> <p>What is the most important information I should know about medicines called Nonsteroidal Anti-inflammatory Drugs (NSAIDs)?</p> <p>NSAIDs can cause serious side effects. Avoiding:</p> <ul style="list-style-type: none">Increased risk of a heart attack or stroke that can lead to death. This risk may happen early in treatment and may increase:with increasing doses of NSAIDswith longer use of NSAIDs <p>Do not take NSAIDs right before or after a heart surgery called a coronary artery bypass graft (CABG).</p> <p>Avoid taking NSAIDs after a recent heart attack, unless your healthcare provider tells you to. You may have an increased risk of another heart attack if you take NSAIDs after a recent heart attack.</p> <p>Increased risk of bleeding, ulcers, and tears (perforation) of the esophagus (like leading from the mouth to the stomach), stomach and intestines.</p> <p>Interactions during use:</p> <ul style="list-style-type: none">with warning symptomsthat may cause death <p>The risk of getting an ulcer or bleeding increases with:</p> <ul style="list-style-type: none">history of stomach ulcers, or stomach or intestinal bleeding with use of NSAIDstaking medicines called "corticosteroids," "anticoagulants," "SSRIs," or "SERIs"increasing doses of NSAIDslonger use of NSAIDssmokingdrinking alcohololder agestomach problemsadvanced liver diseasebleeding problems <p>NSAIDs should only be used:</p> <ul style="list-style-type: none">exactly as prescribedat the lowest dose possible for your treatmentfor the shortest time needed <p>What are NSAIDs?</p> <p>NSAIDs are used to treat pain and redness, swelling, and heat (inflammation) from medical conditions such as different types of arthritis, menstrual cramps, and other</p>
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