MELOXICAM- meloxicam tablet Northwind Pharmaceuticals

HIGHLIGHTS OF PRESCRIBING INFORMATION These highlights do not include all the information needed to use MELOXICAM TABLETS USP. safely and effectively. 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 (NSADs) cause an increased risk of serious cardiovascular thrombotic events, including myocardial inflarction and stroke, whi can be fatal. This risk may occur early in treatment and may increase with duratic of use (5.1) 	ch In
 Meloxicam tablets are contraindicated in the setting of coronary artery bypass gr (CABG) surgery (4, 5.1) 	aft
 NSAIDs cause an increased risk of serious pastrointestinal (Gi) adverse events including bleeding, ulceration, and performation of the stomach or intestines, while 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 disea and/or GI bleeding are at greater risk for serious GI events (5.2) 	

Starting dose: 7.5 mg once daily Dose may be increased to 15 mg once daily • JRA (2.4):

 7 pri L27, and once daily in children ±60 kg
 7.5 mg once daily in children ±60 kg
 9. Melakcam Tablets are not interthangeable with approved formulations of oral meloxicam even in bala imflight articipation in the same L2 ORMS AND STRENGTHS
 • Meloxicam Tablets USP: 7.5 mg and 15 mg [3] oved formulations of oral meloxicam even if the

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anemic (5.12, 7)
 ADVERSE REACTIONS
 Most common (2.5% and greater than placebol adverse events in adults are diarrhea, upper
 respiratory tract intection, dypepsia, and inflameza-like symptoms (6.1)
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FULL PRESCRIBING INFORMATION: CONTENTS* 1 INDICATIONS AND USAGE

Osteoarthritis (OA) Rheumatoid Arthritis (RA) Ilveniae Rheumatoid Arthritis (IRA) Pauclarticular and Polyarticular Course SAGE AND ADMINISTRATION General Dosing Instructions

2.1 General Dosing Instructions 2.2 Osteoarthritis 2.3 Rheumatold Arthritis 2.4 Juvenile Rheumatold Arthritis (JRA) Pauciarticular and Polyarticular Course 2.5 Renal Innaiment

2 A lyonelle Rheamato's Anrhris (IRA) Pauciatticular and Polyarticular Co 2 Real Impaintent
 36 Roin-Interchangeality with Other Formulations of Metoxicam
 26 Roin-Interchangeality with Other Formulations of Metoxicam
 26 Roin-Interchangeality with Other Formulations
 26 Roin-Interchangeality with Other Formulations
 47 North Percentations
 47 North Percenations
 47 North Percentations
 47 North Percentations
 47

Pregnancy Lactation Females and Males of Reproductive Potential Pediatric Use Geriatric Use

Hepatic Impairment Renal Impairment

b.0 rop. 8.7 Renal Impairment 10 OVERDOSAGE 11 DESCRIPTION 12 CLINICAL PHARMACOLOGY 17 1 Mechanism of Action

I Mechanism Construction 3 Pharmacokinetics DNCLINICAL TOXICOLOGY 1 Carcinogenesis, Mutagenesis, Impairment of Fertility

13 NORCUMICAL TOALSOCC.
 131 Carcinopensis, Mutganelia, Impairment of Pertitly
 131 Carcinopensis, Mutganelia, Impairment of Pertitly
 14 CLINECAL STUDIES
 142 Junet Bhommatick Anthrefis (BNA Paccarticular and Polyarticular Course
 14 COW SUPPLIED/STORAGE AND NANDLING
 19 PATIENT COURSELING INFORMATION
 * sections of subactions emitted from the full prescribing information are not lated.

FULL PRESCRIBING INFORMATION

WARNING: RISK OF SERIOUS CARDIOVASCULAR AND GASTROINTESTINAL EVENTS

Cardiovacular Thrombotic Events Nonsteroidal anti-inflammatory drugs (NSAIDs) cause an increased risk of software cardiovacular thrombotik events, including myocardial treatment and may increase with duration of use [see Warnings and Precautions (5.1)]. Metholican tablest are contrainidiated in the cardiovacular set.

Precautions (5.1)]. Meloxicam tablets are contraindicated in the setting of coronary artery bypass graft (CABG) surgery [see Contraindications (4) and Warnings and Precautions (5.1)].

1 INDICATIONS AND USAGE

1.1 Osteoarthritis (OA) Meloxicam tablets are indicated for relief of the signs and symptoms of osteoarthritis [see Clinical Studies (14.1)].

1.2 Rheumatoid Arthritis (RA) Meloxicam tablets are indicated for relief of the signs and symptoms of rheumatoid arthrits [see *Clinical Studies* (14.1)].

1.3 Juvenike Rheumatold Arthrikis (JRA) Pauciarticular and Polyarticular Course Mebxicam tablets are indicated for relief of the signs and symptoms of pauciarticular or polyarticular course Juvenike Rheumatold Arthritis in patients who weigh 260 kg [see Dosage and Admistration (2.4) and Clicical Studies (14.2)].

2 DOSAGE AND ADMINISTRATION

2.1 General Dosing Instructions

Carefully consider the potential benefits and risks of Meloxicam tablets and other treatment options before deciding to use Meloxicam tablets. Use the lowest effective dosage for the shortest duration consistent with individual patient treatment goals [sr Warnings and Precautions [5]].

After observing the response to initial therapy with Meloxicam tablets, adjust the dose to suit an individual patient's needs.

In adults, the maximum recommended daily oral dose of Meloxicam tablets is 15 mg regardless of formulation. In patients with hemodialysis, a maximum daily dosage of 7.5 mg is recommended [see Use in Specific Populations (8.7) and Clinical Pharmacology (12.3)].

Meloxicam tablets may be taken without regard to timing of meals.

2.2 Osteoarthritis

For the relief of the signs and symptoms of osteoarthritis the recommended starting and maintenance oral dose of Meloxicam tablets is 7.5 mg once daily. Some patients may receive additional benefit by increasing the dose to 15 mg once daily.

2.3 Rheumatoid Arthritis

For the relief of the signs and symptoms of rheumatoid arthritis, the recommended starting and maintenance oral dose of Meloxicam tablets is 7.5 mg once daily. Some patients may receive additional benefit by increasing the dose to 15 mg once daily.

2.4 Iuvenile Rheumatoid Arthritis (IRA) Pauciarticular and Polvarticular Course

For the treatment of juvenile rheumatoid arthritis, the recommended oral dose of Mebxicam tablets is 7.5 mg once daily in children who weigh ≥60 kg. There was no additional benefit demonstrated by increasing the dose above 7.5 mg in clinical trials Meloxicam tablets should not be used in children who weigh <60 kg.

2.5 Renal Impairment

The use of Meloxicam tablets in subjects with severe renal impairment is not recommended

In patients on hemodialysis, the maximum dosage of Meloxicam tablets is 7.5 mg per day [see Clinical Pharmacology (12.3)].

2.6 Non-Interchangeability with Other Formulations of Meloxicam Mebxicam tablets have not shown equivalent systemic exposure to other approved formulations of oral mebxicam. Therefore, Mebxicam tablets are not interchangeable with other formulations of oral mebxicam product even if the total miligram strength is the same. Do not substitute similar dose strengths of Mebxicam tablets with other formulations of oral mebxicam product.

3 DOSAGE FORMS AND STRENGTHS

3 UCJANGE FORMS AND 3 INERVLIPS Moxicam Tables 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

4 CONTRAINDICATIONS

Metxican tablets are contraindicated in the following patients:
 Known hypersenstivity (e.g., anaphylactic reactions and serious skin reactions) to metxicam or any components of the drug product [see Warnings and Preautions (5, 7, 5:9]

5.7.5.9)] History of asthma, urticaria, or other alergic-type reactions after taking aspirin or other KSAIDS. Severe, sometimes fatal, anaphylactic reactions to KSAIDS have been reported in such patients [see Warnings and Prezadors (5.7.5.8)] in the setting of coronary artery bypass graft (CABG) surgery [see Warnings and Precadors (5.1)]

5 WARNINGS AND PRECAUTION

5 WARNINGS AND PRECAUTIONS
5.1 Cardiovascular Thrombotic Nemas
6.1 Cardiovascular Thrombotic N

about the symptoms of serious CV events and the steps to take If they occur. There is no consistent evidence that concurrent use of approximation mitigates the increased risk of serious CV thrombotic events associated with MSAID use. The concurrent use of apprin and in KSAID, ouch as mebicating, increases the risk of serious gastrointesthal (d) events [] see Warnings and Precaution (5.2)]. Statis Bast Concomparised tracking Surgery Two large, controlled chical trials of a COX-2 selectes NSAID for the treatment of pain in the first 10.14 approximation are contained called in the setting of CABG [] see Contraindications (4) [].

Post-MI Patients

<u>Data Build and States</u> 2014 and 201

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 M, monitor patients for signs of cardiac schemia.

ntestinal Bleeding, Ulceration, and Perforatio

3.2 UserStrottestrottestrottesten, societation, and retrotractor INSUDS, pickular molecular, circ cause serious gestrotretisting (C)) galverse events, chosen and the societation of the societation of the societation of the societation societation of the patients who develop a serious adverse event cause. Drily one if the patients who develop a serious adverse event on INSAID Drily one if the patients who develop a serious adverse event on INSAID SAIDS occurred in a processing in 30 patients treated of the 36 months, and in about 2-4% of patients treated for one year. However, even short-term INSAID therapy is not whour SAID.

Risk Factors for GI Bleeding. Ulceration. and Perforation

Bak Extension for Gil Beening, Likeration, and Performation Patteris with a profit history of peets (use de fisiese and/or Gil beeding who used NSAIDs without these risk factors, Other factors that is crease the risk of Gil beeding in patients without these risk factors. Other factors that is crease the risk of Gil beeding in patients treated with NSAIDs include being drarition of NSAID therapy, concomitant use of oral conficuences, saperin, anticoagulants, or selective serotomin response inhibitors optimatelisting profits of fata Gil oversito occurred in delay or debitated patients. Additionaly, patients with advanced liver disease and/or coagulopathy are at increased in file Gil Delay.

Strategies to Minimize the GI Risks in NSAID-treated patients: • Use the lowest effective dosage for the shortest possible duration.

Use the lowest effective dosage for the shortest possible duration.
 Avoid administration of more than one NSAD at a time.
 Avoid use in patients at higher risk unless benefits are expected to outweigh the increased risk of bedeng, For such patients, as well as those with actue GI bleeding, consider alternate therapies other than KADDs.
 Bernah alter for signs and symptoms of GI ulcradition and bleeding during NSAD

- therapy. If a serious GI adverse event is suspected, promptly initiate evaluation and treatment, and discontinue Metoxicam until a serious GI adverse event is ruled out. In the setting of concomtant use of low-doke aspirin for cardiac prophysiks, monitor patients more closely for evidence of GI bleeding [see Drug Interactions (7)].

5.3 Hepatotoxicity

Evaluation of ALT or AST (three or more times the 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 hipry, including fulminant hepatits, 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.

Inform patients of the warring signs and symptoms of hepatotoxickly (e.g., nauso, Hidgue, tehrang, diarrha, pructus, jaundice, right upger quadrant tendencies, and Hu-lker's symptoms). If clinical signs and symptoms consistent with liver disease develop, or it systemic manifestations occur (e.g., existinghiar, etc.), discontinue Medoxtan immediately, and perform a clinical evaluation of the patient [see Use in Specific Populations (& G) and Clinical Pramacology (12.3.) [:

5.4 Hypertension

NSAIDS, including Mebxicam, can lead to new onset or worsening of preexisting hypertension, either of which may contribute to the increased incidence of CV events. Tablens taking anglobenis (converting enzyme (ACE) hinhors, thiazed enureties, or loop durets; may have impaired response to these therapies when taking NSAIDS [see Drug interaction; 7].

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

Course of the structure of the second sec

Additionally, fluid retention and edema have been observed in some patients treated with NSAIDs. Use of meloxicam may blunt the CV effects of several therapeutic agents used to treat these medical conditions (e.g., duretics, ACE inhibitors, or angiotensin 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 Renal Toxicity Long-term administration of NSAIDs, including Meloxicam, has resulted in re 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 ASUD may cause also despedencient real/conin in prostaglandin decompensation. Patients at greatest risk of this reaction are those with impaired renal function, delytration, hypowellem, have tradare, wer dysfunction, this pressing duration, and ACE inhibbors or ARBs, and the addery. Discontinuation of NSAID therapy to subally followed preceiving the relationship of the additional pressing subally followed preceiving the relationship of the additional pressing to subally followed preceiving the regression of the addition of the addition of the pressing the relationship of the addition of the addition of the subally followed by recovery to the pretextinent states.

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

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

L No information is available from controlled clinical studies regarding the use of Metoxicam in patients with advanced renal disease. Avoid the use of Metoxicam is in the metoxicam is a studies of the studies of

rnarmacougy (12-3); <u>Nupersidemia</u> Increases in serum potassium concentration, including hyperkalemia, have been reported with use of KSADS, even in some patients without renal impairment. In patients with normal renal function, these effects have been attributed to a hypore-inneritri-hypodiadisterourism state.

19 December 1999 - Comparison of the sections Section and the section of the s

Seek emergency help if an anaphylactic reaction occurs.

Takes energies, ritely a lar analysia. Leskolo (cours). **26 Exacerbation of Asthma Related to Asphris Genetiky** Asubapouldion of patients with asthma may have applies **asphris-sensitive** include chronic hindrosultistic completent by meal polytics exerce potentially fatal bronchospam; and/or intolerance to aspirin and other ISAUDs. Because crossi-reactivity between aspirin and other ISAUDs have been reported in such aspiris-sensitive patients, Metoxicam is contraindicated in patients with this form of aspiris sensitivity astimas without from the apprin sensitivity, monitor patients for changes in the signs and symptomic of sature.

5.9 Serious Skin Reactions

Job demonstration of the second secon

5.10 Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS)

5.10 Drug Reaction with Eosionphila and Systemic Symptoms (DRESS) To be preported in patients taking ISAIDS such as melonicam. Some of these events have been failar of the patients taking ISAIDS such as melonicam. Some of these events have been failar of the present and the patients taking ISAIDS such as melonicam. Some of these events have been failar of the present patients and the patients. Sometimes symptoms of DRESS may resemble an active vial effection is consignable as the present. Beep the patients and the patient of the patients and the patients and the patient of the patients and the patient of the patients and the patient of the patients and the patients and the patient of the

5.11 Fetal Toxicity

Premature Closure of Fetal Ductus Arteriosus Avoid use of NSAIDs, including meloxicam, gestation and later. NSAIDs, including meloxicam, increase the risk of premature closure of the fetal ductus arteriosus at approximately this gestational age.

Oligohydramnios/Neonatal Renal Impairment

Claphydramics/Neonatal.Beall Impairment User NNXIDs, notuking mebokum, an abud 20 weeks gestation or leter in pregnancy migr cause feat rend splottoch leading to digbrightamins and, in some cause, weeks of treatment, almough oligotydramins has been infraquently reported as soon as 48 hours after NSXID Intelanto. Oligotydramins is often, but not always, reversible sample, include into contracture and delived language the programment cause). The contracture and delived language the contracture and cause in transition contracture and delived language that contractures and cause in financian contracture and delived language that contractures and cause in financian contractures and delived language that contractures and cause in financian contractures and beinger language that contractures and cause in financian contractures and the contractu

trainsission or usays were requires. If MSAID trainments is necessary between about 20 weeks and 30 weeks gestation, limit mebxicam use to the lowest effective dose and shortest duration possible. Consider uitrasound monobring of anniticit full if melokicam trainment extends beyond 48 hours. Biocontinue meloxicam I oligohydramnibs accurs and follow up according to clinical practice Test loss in Specific Populations (4.2).

5.12 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 erythropolesis. If a patient treated with Meloxicam has any signs or symptoms of anemia, monitor hemoglobin or hematocrit.

Interlogious or instance. INSIDS, including Mexixam, may increase the risk of bleeding events. Co-morbid conditions such as caaguidation of sorders or concomitant use of warrain, other anticoaguidars, and highelikeit agents (c.g., appirin), sectorian regutake hibbors and servicionin toreginephrine regutake hibbors (SINIS) may increase this risk. Monitor these patients for signs of bedoing (are drong infraedices) (7).

5.13 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.

5.14 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 is set Warnings and Procautions (5.2, 5.3, 5.6)]

6 ADVERSE REACTIONS

The following adverse reactions are discussed in greater detail in other sections of the backing: • Cardovacular Thrombotic Events [see Boxed Warning and Warnings and Preceditions [5.1]

Cardiovascular Thrombotic Events (see Boxed Warning and Warnings and Gardeodou, Listanian, and Perforation (see Boxed Warning and Warnings and Precaudions (5.2) [Hypertension (see Warnings and Precautions (5.3) [Hypertension (see Warnings and Precautions (5.3) [Hypertension (see Warnings and Precautions (5.7) [Renard Toxckip and Hypertakemic (see Warnings and Precautions (5.7) [Anaphytexit: Reactions (see Warnings and Precautions (5.9) [Anaphytexit: Reactions (see Warnings and Precautions (5.9) [Drug Reaction with Ecosiophia and Systemic Symptoms (DRESS) (see Warnings and Presult Sinck See Warnings and Precautions (5.9) [Hypertension (see Warnings and Precautions (5.9) [Hermit Doxckip (see Warnings and Precautions (5.1)] Hermit Doxckip (see Warnings and Precautions (5.1)] Hermit Doxckip (see Warnings and Precautions (5.1)] Hermit Doxckip (see Warnings and Precautions (5.1)] Hermit Doxckip (see Warnings and Precautions (5.1)] Hermit Doxckip (see Warnings and Precautions (5.1)] Hermit Doxckip (see Warnings and Precautions (5.1)] Hermit Doxckip (see Warnings and Precautions (5.1)] Hermit Doxckip (see Warnings and Precautions (5.1)] Hermit Doxckip (see Warnings and Precautions (5.1)]

6.1 Clinical Trials Experience

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

Osteoarthritis and Rheumatoid Arthritis

Categoriths and Eheamadod Arthritis. Deteosition and a set of the set of the

trais. A 12-week multicenter, double-blind, randomized trial was conducted in patients with osteoarthrks of the knee or hip to compare the efficacy and safety of Meloxkam 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 placebox.

Table 1a depicts adverse events that occurred in \geq 2% of the Meloxicam treatment groups in a 12-week placebo- and active-controlled osteoarthritis trial. Table 1b depicts adverse events that occurred in ≥2% of the Meloxicam treatment groups in two 12-week placebo-controlled rheumatoki arthritis trials.

Placebo Placebo Meloxicam Patients n a 12-week Placebo Placebo Meloxicam Meloxicam Si placibenac 7.5 mg daily mg daily 100 mg/ 100 mg 100 mg/ 100 mg 100 mg/ 100 mg

	7.5 mg daily	mg daliy	daily
157	154	156	153
17.2	20.1	17.3	28.1
2.5	1.9	2.6	1.3
3.8	7.8	3.2	9.2
4.5	4.5	4.5	6.5
4.5	3.2	3.2	3.9
3.2	3.9	3.8	7.2
1.9	4.5	3.2	2.6
2.5	1.9	4.5	3.3
0.6	2.6	0.0	1.3
5.1	4.5	5.8	2.6
	17.2 2.5 3.8 4.5 4.5 3.2 1.9 2.5 0.6	157 154 17.2 20.1 2.5 1.9 3.8 7.8 4.5 4.5 3.2 3.9 1.9 4.5 2.5 1.9 0.6 2.6	157 154 156 17.2 20.1 17.3 2.5 19 2.6 3.8 7.8 3.2 4.5 4.5 3.2 3.2 3.9 3.8 1.9 4.5 3.2 2.5 1.9 4.5 0.6 2.6 0.0

Rash ²		2.5	2.6	0.6	2.0
Skin					
infection					
Upper respiratory	tract	1.9	3.2	1.9	3.3
Pharyngitis		1.3	0.6	3.2	1.3
Respiratory					
Headache		10.2	7.8	8.3	5.9
Dizziness		3.2	2.6	3.8	2.0

Table 1b Adverse Events (%) Occurring in ≥2% of Meloxicam Patients in two 12-Week Rheu toid

Arthri	itis Placebo- Controlled	l Trials	
	Placebo Me	loxicam 7.5 mg dail	yMeloxicam 15 mg daily
No. of Patients	469	481	477
Gastrointestinal Disorders	14.1	18.9	16.8
Abdominal pain NOS *	0.6	2.9	2.3
Dyspeptic signs and symptoms †	3.8	5.8	4.0
Nausea *	2.6	3.3	3.8
General Disorders and Administration Site	Conditions		
Influenza-like illness *	2.1	2.9	2.3
Infection and Infestations			
Upper Respiratory tract infections-	4.1	7.0	6.5
pathogen class unspecified [†]			
Musculoskeletal and Connective Tissue Di	sorders		
Joint related signs and symptoms †	1.9	1.5	2.3
Nervous System Disorders			
Headaches NOS *	6.4	6.4	5.5
Skin and Subcutaneous Tissue Disorders			

Skin and Subcutaneous Tasue baorarers 1.7 1.0 2.1 Rash MOS¹ 1.7 1.0 2.1 * MedDRA preferred term: nausea, abdominal pan MOS, Intuenza Wei lines, heataches MOS, and nach MOS HeadDRA high inter Ministeria and the subcurred term and term and

The adverse events that occurred with Meloxicam in $\ge 2\%$ of patients treated short-term (4 to 6 weeks) and long-term (6 months) in active-controlled osteoarthrits trials are presented in Table 2.

Table 2 Adverse Events (%) Occurring in ≥2% of Meloxicam Patients in 4 to 6 Weeks and 6 Month Active-Controlled Osteoarthritis

	Trials		
4-6 Weeks Co	ontrolled Trials	6 Month Cor	trolled Trials
			Meloxicam 15 mg daily
			306
			24.2
2.7		4.7	2.9
0.8		1.8	2.6
1.9	2.7	5.9	2.6
3.8	7.4	8.9	9.5
0.5	0.4	3.0	2.6
2.4	4.7	4.7	7.2
0.6	0.8	1.8	2.6
0.0	0.0	0.6	2.9
0.6	2.0	2.4	1.6
0.9	2.0	3.6	5.2
/stem			
1.1	1.6	2.4	2.6
2.4	2.7	3.6	2.6
0.1	0.0	4.1	2.9
0.5	0.0	5.3	1.3
0.5	0.4	3.0	0.7
0.4	0.0	3.6	1.6
0.2	0.8	2.4	1.0
0.2	0.0	8.3	7.5
0.4	1.2	2.4	0.0
0.3	1.2	3.0	1.3
0.1	0.4	2.4	1.3
0.3	0.4	4.7	6.9
	Melosicam 7.5 mg table 113 113 113 113 113 113 113 113 113 113 113 113 113 113 114 115 115 116 117 118 118 111<	4-6 Weeks Controlled Trials Meloxicam 7.5 mg dash Meloxism 15 mg dash 9955 256 11.8 18.0 0.8 2.7 3.8 7.4 0.5 7.4 0.6 0.8 0.7 0.6 0.6 0.8 0.6 0.8 0.6 0.8 0.6 0.8 0.6 0.8 0.6 0.8 0.6 0.8 0.6 0.8 0.6 0.6 0.9 2.0 0.6 0.6 0.7 0.6 0.8 0.7 0.6 0.8 0.7 0.6 0.8 0.0 0.6 0.0 0.7 0.4 0.1 0.0 0.2 0.8 0.4 0.0 0.2 0.8 0.4 0.1 0.4 0.2	4-6 Weeks Controlled Tiels 6 Month Cont Medoxic m.75 mg dalg/Medxim 15 mg dalg 189 189 118 110 26 27 23 4.7 00 27 23 4.7 01 27 23 4.7 0.0 2.7 2.9 9 0.5 0.4 30 2.4 0.6 0.8 1.8 9 0.5 0.4 3.0 2.4 0.6 0.8 1.8 9 0.6 2.0 2.4 2.4 0.6 2.0 2.4 2.4 0.7 3.6 1.8 1.8 0.6 2.0 2.4 2.7 0.1 0.0 0.6 2.4 0.7 3.6 1.1 1.2 0.5 0.0 5.3 1.2 0.5 0.0 3.6 1.2 0.2 0.8 2.4 1.2 0.2

* WHO preferred terms edema, edema dependent, edema peripheral, and edema leg † WHO preferred terms rash, rash erythematous, and rash maculo-papular combined

Higher doses of Meloxicam (22.5 mg and greater) have been associated with an increased risk of serious GI events; therefore, the daily dose of Meloxicam should not exceed 15 mg. Pediatrics

Pauciarticular and Polyarticular Course Juvenile Rheumatoid Arthritis (JRA) Pauciaticular and Polyaticular Course Juenes Rhemmatol Arthrist (BBA) Three hundred and ediphyseven patients with pauciartural and polyaticular course JRA were exposed to Meloxicam with doser ranging from 0.125 to 0.375 mg/ag per day in three clinical trials. Three studies consisted of two 12-week multitenter, double-bindl, randomised trials (now with a 12-week open-label extension and one with a 40-week extension of the studies of the studies of the studies of the studies of the registration of the studies of the studies of the studies of the studies experience, athough there were differences in frequency. In particular, the following most common adverse events, addomina jan, vomiting, ulartush, headden, and pyresia, were more common in the pelaticit; than in the adult trials. Reah was reported userhief during the course of the trials. The adverse events did not demonstrate an age or gender-specific subgroup effect. The following a last of adverse to drug reactions occurring in -2% of patients receiving Mebsicam in clinical trials involving approximately 16,200 patients.

Body as a Whole	allergic reaction, face edema, fatigue, fever, hot flushes, malaise, syncope, weight decrease, weight increase
Cardiovascular	angha pectoris, cardiac falure, hypertension, hypotension, myocardial infarction, vasculitis
	system convulsions, paresthesia, tremor, vertigo
Gastrointestinal	colitis, dry mouth, duodenal uker, eructation, esophagitis, gastric uker, gastricitis, gastroesophageal reflux, gastrointesthal hemorrhage, hematemesis, hemorrhagic duodenal uker, hemorrhagic gastric uker, intestinal perforation, melena, pancreatitis, perforated duodenal uker, stomatitis ukerative
Heart Rate and Rhythm	arrhythmia, palptation, tachycardia
Hematologic	leukopenia, purpura, thrombocytopenia
Liver and Biliary System	ALT increased, AST increased, bilrubinemia, GGT increased, hepatitis
Metabolic and Nutritional	dehydration
Psychiatric	abnormal dreaming, anxiety, appetite increased, confusion, depression, nervousness, somnolence
Respiratory	asthma, bronchospasm, dyspnea
Skin and Appendages	alopecia, angloedema, bullous eruption, photosensitivity reaction, pruntus, sweating increased, unticaria
Special Senses	abnormal vision, conjunctivitis, taste perversion, tinnitus
Urinary System	abumhurla, BUN increased, creatinine increased, hematurla, renal failure

Comparing the second seco

7 DRUG INTERACTIONS

See Table 3 for clinically significant drug interactions with meloxicam. See also Warnings and Precautions (5.2, 5.6, 5.12) and Clinical Pharmacology (12.3) .

orago chat hit	erfere with Hemostasis
	Meloxicam and anticoagulants such as warfarin have a
	synergistic effect on bleeding. The concomitant use of meloxicam
	and anticoagulants have an increased risk of serious bleeding
	compared to the use of either drug alone.
Clinical Impact:	Serotonin release by platelets plays an important role in
	hemostasis. Case-control and cohort epidemiological studies showed
	that concomitant use of drugs that interfere with serotonin reuptake
	and an NSAID may potentiate the risk of bleeding more than an
	NSAID alone.
	Monitor patients with concomitant use of Meloxicam with
Intervention:	anticoagulants (e.g., warfarin), antiplatelet agents (e.g., aspirin),
intervention:	selective serotonin reuptake inhibitors (SSRIs), and serotonin
	norepinephrine reuptake inhibitors (SNRIs) for signs of bleeding [see
	Warnings and Precautions (5.12) 1.
Aspirin	
	Controlled clinical studies showed that the concomitant use of
	NSAIDs and analgesic doses of aspirin does not produce any greate
	therapeutic effect than the use of NSAIDs alone. In a clinical study,
Clinical Impact:	the concomitant use of an NSAID and aspirin was associated with a
	significantly increased incidence of GI adverse reactions as compare
	to use of the NSAID alone [see Warnings and Precautions (5.2)].
	Concomitant use of Meloxicam and low dose aspirin or analoesic
	doses of aspirin is not generally recommended because of the
Intervention:	increased risk of bleeding [see Warnings and Precautions (5.12)].
	Meloxicam is not a substitute for low dose aspirin for cardiovascular
	protection.
ACE Inhibitors.	Angiotensin Receptor Blockers, or Beta-Blockers
	NSAIDs may diminish the antihypertensive effect of angiotensin
	converting enzyme (ACE) inhibitors, angiotensin receptor blockers
	(ARBs), or beta-blockers (including propranolol).
	In patients who are elderly, volume-depleted (including those on
Clinical Impact:	diuretic therapy), or have renal impairment, coadministration of an
	NSAID with ACE inhibitors or ARBs may result in deterioration of ren
	function, including possible acute renal failure. These effects are
	usually reversible.
	During concomitant use of Meloxicam and ACE inhibitors, ARBs.
	or beta-blockers, monitor blood pressure to ensure that the desired
	blood pressure is obtained.
	During concomitant use of Meloxicam and ACE inhibitors or
Intervention:	ARBs in patients who are elderly, volume-depleted, or have impaired
	renal function, monitor for signs of worsening renal function [see
	Warnings and Precautions (5.6) 1.
	When these drugs are administered concomitantly, patients
	should be adequately hydrated. Assess renal function at the
	beginning of the concomitant treatment and periodically thereafter.
Diuretics	
	Clinical studies, as well as post-marketing observations, showed that
	NSAIDs reduced the natriuretic effect of loop diuretics (e.g.,
	furosemide) and thiazide diuretics in some patients. This effect has
City in all income the	been attributed to the NSAID inhibition of renal prostaglandin
Clinical Impact:	synthesis. However, studies with furosemide agents and meloxicam
	have not demonstrated a reduction in natriuretic effect. Furosemide
	single and multiple dose pharmacodynamics and pharmacokinetics
	single and multiple dose pharmacodynamics and pharmacokinetics are not affected by multiple doses of meloxicam
	are not affected by multiple doses of meloxicam.
Intervention:	

	Precautions (5.6)].
Lithium	
Clinical Impact:	NSAIDs have produced elevations in plasma lithium levels and reductions in renal lithium clearance. The mean minimum lithium concentration increased 15%, and the renal clearance decreased paproximately 20%. This effect has been attributed to NSAID inhibiton of renal prostaglandin synthesis [see <i>Clinical Pharmacology</i> (12.3) 1.
Intervention:	During concomitant use of Meloxicam and Ithium, monitor patients
	for signs of lithium toxicity.
Methotrexate	
Clinical Impact:	Concomitant use of NSAIDs and methotrexate may increase the risk for methotrexate toxicity (e.g., neutropenia, thrombocytopenia, ren- dysfunction).
Intervention:	During concomitant use of Meloxicam and methotrexate, monitor patients for methotrexate toxicity.
Cyclosporine	
Clinical Impact:	Concomitant use of Meloxicam and cyclosporine may increase cyclosporine's nephrotoxicity.
Intervention:	During concomitant use of Meloxicam and cyclosporine, monitor patients for signs of worsening renal function.
NSAIDs and Sa	licylates
Clinical Impact:	Concomitant use of meloxicam with other NSAIDs or salicylates (e.g. diffunisal, salsalate) increases the risk of GI toxicity, with little or no increase in efficacy (see Warnings and Precautions (5.2)).
Intervention:	The concomitant use of meloxicam with other NSAIDs or salicylates not recommended.
Pemetrexed	
Clinical Impact:	Concomitant use of Meloxicam and pemetrexed may increase the ris of pemetrexed-associated myelosuppression, renal, and GI toxicity (see the pemetrexed prescribing information).
Intervention:	During concomitant use of Metoxicam and pemetrexed, in patients, with renail impairment whose creationic extrance ranges from 45 to 17 m Limin, monitor for myelosuppression, renail and Gi toxick), Patients taking meloxicam should interrupt dosing for at least five days before, the day of and two days following pemetrexed administration. In commitant administration of meloxicam with pemetrexed is not recommended.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy Risk Summary

Leax-summary Use of NSAIDS, including Metoxicam, can cause premature closure of the fetal ductus arteriosus and tetal renal dysfunction leading to obgohydramniss and, in some cases, neonatal renal impairment. Because of these risks, in mit does and duration of Melookam use between about 20 and 30 weeks of gestation, and avoid Melookam use at about 30 weeks of gestation and later in prepariours (see Clinet Cansderations, Dation).

Premature Closure of Fetal Ductus Arteriosus

In remaind a counter of many financial and a basis method and a set of the first of

Data from observational studies regarding potential embryofetal risks of NSAID use in women in the first or second trimesters of pregnancy are inconclusive. Data from observational studies regarding potential embryofted in Sits of MSAD use in women in the first or second trimester of pregnancy are inconclusive. In animal reproduction studies, embryofted in denti was, observed in rats and rabbs to description of the second studies and the second studies of the second studies of the second studies and the second studies and the second studies increased incidence of septal hard toffects were observed in rabbs to real-toget and post-second studies studies and the second studies and post-second studies studies and the second studies and post-second studies studies and the second studies or studies and the second studies and post-second studies or studies and the second studies or studies and the second studies and post-second studies or studies and the second studies and the second studies and the second studies or studies post-second studies the second studies and the second studies or studies post-second studies the second studies and the second studies or studies post-second studies the second studies and the second studies or studies post-second studies the second studies and the second studies or studies post-second studies the second studies or studies post-second studies and the second studies to and the second studies or studies post-second studies to the second studies or studies post-second studies and the second studies or studies post-second studies or studies post-second studies and the second studies or studies post-second studies or stud

Clinical Considerations

-Fetal/Neonatal Adverse Reactions Premature Closure of Fetal Ductus Arteriosus:

Avoid use of NSAIDs in women at about 30 weeks gestation and later in pregnancy, because NSAIDs, including meloxicam, can cause premature closure of the fetal ductus arterisous (see Data). Olgohydramniss/Neonatal Renal Impairment:

If an tSGUD is necessary at allow 20 weeks gestation or linter in programmy, link the use to be lowest effective does and shorter duration possible. If mediocain transment extends beyond 48 hours, consider monitoring with utrasound for olgohydraminos, if olgohydraminos, et al. (as Duba). Lator or Delway Lator or Delway

There are no studies on the effects of Meloxicam during labor or delivery. In animal studies, NSAIDS, including meloxicam, inhibit prostaglandin synthesis, cause delayed parturition, and increase the incidence of stillbirth.

Data Human Data

Premature Closure of Fetal Ductus Arteriosus

Published Iterature reports that the use of NSAIDs at about 30 weeks of gestation and later in pregnancy may cause premature closure of the fetal ductus arteriosus. Olgohydramnios/Neonatal Renal Impairment:

Digohydramios.Neontal Renal impairment: Pubbled studies and postmixeking reports discribe maternal dysfunction leading to desist gastation of their in pregnancy actions and action of the studies of based of their interpretion of the studies of the studies of the studies outcomes are seen, on average, after days to weeks of treatment, athrough objohydramios habe min frequently protortial as soon as 40 hours after NSAD infastion. In many cases, but not all, the decrease is a manific fluid was transient and of protore the studies of the studies of the studies of treatment, athrough relighty and the studies and not all the decrease is a manific fluid was transient and of which were irreversible. Some cases of neonatal renal dysfunction inequired treatment with invasive processing studies and region days due to days. Methodobgical imitations of these postmarketing studies and reports include lick of a central group; inhered information regraphic das, durindia of days. Methodobgical initiations of these postmarketing studies and neonatia ductomes whole maternal IKSAD use Because the pubble stately data on neonatia ductomes involved most preterm infants, the generalized by of centar neported risks to the full-term time resported to MSUBs through manetum uses to uncertain. Anima Data Metockone was on the trackogenic when administered to pregnant rats during fetal

Annual Data Mexiciam was not teratogenic when administered to pregnant rats during fetal organogenesis at oral doses up to 4 mg/kg/ds/2, C-fot ig reater than the MRHD of 15 mg / Mexicam based on BSA comparison / Administration of mebxicam to pregnant rabbits throughout entropyopenesis produced an interseed in cloiner of septal defects of comparison. The or defect level was 25 mg/kg/ds/2, Fot administration based on BSA conversioni, in rats and rabbits, employedination occurrent at oral mebxicam doses of langkdaya and a mg/kg/ds/2, Fot administrated throughout companetisms.

unrougnout organogeness. Oral administration of meloxicam to pregnant rats during late gestation through lactation increased the incidence of dystocia, delayed parturition, and decreased offspring survival at meloxicam doses of 0.125 mg/kg/day or greater (0.08-times MRHD based on BSA comparison).

8.2 Lactation

8.2 Lactation Back summary. There are no human data available on whether meloxicam is present in human mik, or on the effects on breastified infants, or on mik groduction. The developmental and health Meloxicam and any potential adverse effects on the breastified infant from the Meloxicam or from the underlying material condition.

Data

Latat Animal Data Meloxicam was present in the milk of lactating rats at concentrations higher than those in plasma.

8.3 Females and Males of Reproductive Potential

Infertility Females

remass Based on the mechanism of action, the use of prostagiandin-mediated MSADs, including Metoxiam, may deby or prevent rupture of ovarian folkiss, which has been associated administration of prostagiandin synthesis inhibitors has the potential to disrupt prostagiandin-mediated folkular rupture required for ovalation. Small studies in women trated with NSADs have also shown are versible deby in ovalation. Consider withdrawal of MSADD, including Metoxiam, in women who have difficulties conceiving or who are undergraph metagiation of interflixy.

8.4 Pediatric Use

The safety and effectiveness of meloxicam in pediatric JRA patients from 2 to 17 years of age has been evaluated in three clinical trials [see Dosage and Administration (2.3), Adverse Reactions (6.1) and Clinical Studies (14.2).

8.5 Geriatric Use

Elderly palents, compared to younger patients, are at greater risk for NSAID-associated serious cardiovascular, gastrointestinal, and/or renal adverse reactions. If the anticipated benefit for the elderly patient outweighs these potential risks, start dosing at the low end of the dosing range, and monitor patients for adverse effects [see Warnings and Precautions (51, 52, 53, 56, 51.4).

Patients with severe hepatic impairment have not been adequately studied. Since mebxicam is significantly metabolized in the liver and hepatotoxicity may occur, use mebxicam with caution in patients with hepatic impairment [see Warnings and Precautions (5.3) and Clinical Pharmacology (12.3)].

8.7 Renal Impairment

No dose adjustment is necessary in patients with mild to moderate renal impairment. Patients with severe renal impairment have not been studied. The use of Meloxican subjects with severe renal impairment is not recommended. In patients on hemodialysis, meboxicam should not exceed 7.5 mg per day. Meloxicam is not dialyzable [see Dosage and Administration (2.1) and Chick Pharmacology (2.2.3).

10 OVERDOSAGE

Symptoms following acute NSAID overdosages have been typically limited to lethargy, drowsiness, nausea, vomiting, and epigastric pain, which have been generally reversible with supportive care. Gastrointetistical belefing has accurred. Hypertension, acuter real failure, respiratory depression, and coma have occurred, but were rare [see Warnings and Precautions [51, 52, 54, 56,]].

Manage patients with symptomatic and supportive care following an NSAID overdosage There are no specific antitotes. Consider emesis and/or activated charcoal (60 to 100 grams in adults.) To 2 grams per kg of body weight in patientitic patients) and/or somotic cathartic in symptomatic patients seen within four hours of ingestion or in patients with a inger overdosage (5 to 10 times the recommended dosage). For edd duct six or of unive, hemodialysis, or hemosperfusion may not be useful due lay in protein binding.

There is limited experience with meloxicam overdosage. Cholestyramine is known to accelerate the clearance of meloxicam. Accelerated removal of meloxicam by 4 g oral doses of cholestyramine given three times a day was demonstrated in a clinical trial. Admistration of cholestyramine may be useful following an overdosage. For additional information about overdosage treatment, call a poison control center (1-800-222-1222).

11 DESCRIPTION

Metoxican Tables USP are a nonsteroidal anti-Inflammatory drug (NSAID). Each table contains 7.5 mg or 15 mg metoxican for or al administration. Metoxican is chemically degnated as 4-hydroxy-2-methy H-(S-methy)-2-liabled/02-2H-12-berosibilizine-3-carboarande-11-doxide. The molecular weight 8:351.4. Ris empirical formula is C_4dH 13H -0.2 and 1.6. the the following structural formula:



Meloxicam is a pastel yellow solid, practically insoluble in water, with higher solubility observed in strong acids and bases. It is very slightly soluble in methanol. Meloxicam has an apparent particlion coefficient (log P)app = 0.1 in *n*-octanol/buffer pH 7.4. Meloxicam has pKa values of 1.1 and 4.2. Meloxicam is available as a tablet for oral administration containing 7.5 mg or 15 mg meloxicam.

The inactive ingredients in Meloxicam tablets USP include colloidal silicon dioxide, crospovidone, lactose monohydrate, magnesium stearate, microcrystalline cellulose, povidone and sodium citrate dihydrate.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

22.1 Mechanism of Action Mebxicam has analgesic, anti-inflammatory, and antipyretic properties. The mechanism of action of Meloxicam, like that of other NSAIDs, is not completely understood but involves inhibition of cyclooxygenase (COX-1 and COX-2). Indicational substrated and a specific distance of the specific distanc

12.3 Pharmacokinetics Absorption

Absorption Absorption of 30 mg compared with 30 mg V balka litection, rollwing a single oral dose of 30 mg compared with 30 mg V balka litection, rollwing angle intravension dose, multiple or al doses of the pharmacolitectics of mediocat macapitate were dose eroportion ower the range of 7.5 mg to 21 mg. Near Cmax was achieved within four to the hours prolymage dorug absorption. With multiple dosing, stately attack concentrations were reached by Day 5. A second metexican concentration peak occurs around 12 to 14 hours post-dose suggesting bilary recycling. Meloxicam cap wn to be bioequivalent to Meloxicam tablets aan chi

Table 4 Single Dose and Steady-State Pharmacokinetic Parameters for Oral 7.5 mg and 15 mg Meloxicam (Mean and % CV) *

			Steady State		Sin	gle Dose
Pharmacokinetic Parameters (%CV)			[†] Elderly males (Fed)	Elderly females (Fed)		lepatic insufficiency (Fasted)
		7.5 mg ‡ tablets	15 mg capsules	15 mg capsules	15 mg capsules	15 mg capsules
N		18	5	8	12	12
C max	[µg/mL]	1.05 (20)	2.3 (59)	3.2 (24)	0.59 (36)	0.84 (29)
t max	[h]	4.9 (8)	5 (12)	6 (27)	4 (65)	10 (87)
t 1/2	[h]	20.1 (29)	21 (34)	24 (34)	18 (46)	16 (29)
CL/f	[mL/min	8.8 (29)	9.9 (76)	5.1 (22)	19 (43)	11 (44)
V 2/f 5	[L]	14.7 (32)	15 (42)	10 (30)	26 (44)	14 (29)

The parameter values in or † not under high fat conditio ‡ Meloxicam tablets § V Z/f =Dose/(AUC•Kel)

Food and Antacid Effects

Food and Antacki Effects Administration of medician capsules following a high fat breakfast (75 g of fat) resulted in mean peak drug beves (i.e., cmax) being increased by approximately 22% while the extent of absorption (AUC) was unchanged. The thre to maximum concentration (Timax) was achieved between 5 and 6 hours. No pharmacoinset: interaction was detected with concombant administration of antaccias. Based on these results, Mesiciam can an administration without regard to timing of meals or concombant administration of administration.

antacis. <u>Distribution</u> The mean volume of distribution (vss) of meloxicam is approximately 10 L. Meloxicam is 29.4%. Dound to human jabana protestes (prinning albuma) within the the appeals. Cose 29.4% and 20.4% and 20.4\% and 20.4\%

was present as unclating to THEOXCATIL. Mebvickam concentrations in synowial fluid, after a single oral dose, range from 40% to 50% of those in plasma. The free fraction in synowial fluid is 2.5 times higher than in plasma, due to the lower albumin content in synowial fluid as compared to plasma. The significance of this penetration is unknown.

Epinfactnere of this penetration is unknown. Etimiatizin Metaoloizm Metaoloizm Metaoloizm is extensively metaoloized in the liver. Meloxicam metaoloites include 5-carboxy metaolizatiani (BB%) of dose), from P-450 mediated metabolism formed by excreted to a lesser extent (9%) of dose). In vitro studies indicate that CPPCD (cyclorizone P450 mediabolizing enzyme) pilys an important role in this metabolic pathway with a minor contribution of the CPP3A4 locyme. Patients' percentage data (b) pathway with a minor contribution of the CPP3A4 locyme. Patients' percentage and % of the pathway with a minor contribution of the CPP3A4 locyme. Patients' percentage data with the pathway with a minor contribution of the CPP3A4 locyme. Patients' percentage data by administration data respectively. At the flour metabolites with a count for 15% and % of in vitro pharmacological activity. Excretion

Mebucian excretion is predominantly in the form of metabolites, and occurs to equal extensis in the urine and faces. Only fraces of the unchanged parent compound are compared to the second second

The mean elimination half-life (11/2) ranges from 15 hours to 20 hours. The elimination half-life (score) head half-life (head half-life) head half-life (head half-life) head half-life (head half-life) head half-life (head half-life) head half-life) head half-life (head half-life) head half-life) head half-life (head half-life) head half-Specific Populations

-Pediatric

After single (0.25 mg/kg) dose administration and after achieving steady state (0.375 mg/kg/dg/), there was a general trend of approximately 30% tower sposure in younge does a sport of the does patients. How relaxion are possive simils (single does of sightly reduced (staay) state) to those in the adult patients, when using AUC values normalized to a dose of does and and the sport of the sport of the sport of the sport of the does and the sport of the sport of the sport of the sport of the does and the sport of the sport of the sport of the does and the sport of the sport of the sport of the does and the sport of the sport of the does and the sport of the sport of the does and the does and the does and the sport of the does and does and the does and d

and i to to year ou patients, respectively. In a covariate analysis, utiliting population pharmacokinetics body-weight, but not age, was the single predictive covariate for differences in the meloxicam apparent oral plasm clearance. The body-weight normalized apparent or al clearance values were adequate predictors of meloxicam exposure in pediatric patients. The pharmacokinetics of Meloxicam in pediatric patients under 2 years of age have not been investigated.

Geriatric

Easily makes (1655 years of angle withboth methods an plann concentrations and standy-state phenoceknetics simulate to young makes. Easily for Maniels (1645 years of age) lade a 47% higher AUCs and 32% higher Cmass is as compared to younger females (155 years) of age) after body weight normalization. Despite the increased total concentrations in the defer / females, the adverse event profile was comparable for bodies compared to the defer / females. The adverse event profile was comparable to the state of the defer / females. The adverse event profile was comparable to the state of the defer / females. The adverse event profile was comparable to the state of the defer / females. The adverse event profile was comparable to the defer emperation to defer young patients.

Young females exhibited signity lower plasma concentrations relikive to young males. After single discs of 7.5 mg Melocam, the mean elimitation half fle was [3.5 hours f. the female group as compared to 23.4 hours for the male group. At steady state, the diata were similer [1.3 hours): staj binaracchietic difference due to gender is likely to be of title cinical importance. There was inearly of plarmacchinetics and no appreciable difference in the Cmax or Tmax across genders.

Hepatic Impairment

reparker impairment: Toolwing a single 15 mg dose of melocican there was no marked affective high Casis (Foreign and State) and the single casis (Foreign and State) and the single high Casis (I) hepatic impairment compared to healthy volunteers. Protein binding of melocican with malk to moderate hepatic impairment. Patients with solver hepatic impairment with malk to moderate hepatic impairment. Patients with solver hepatic impairment 5.3 and Usen 1 specific Populations (6.6 a). Subset I heavings and Proceadors 5.3 and Usen 1 specific Populations (6.6 a). Subset I heavings and Proceadors

5.3) and Usern Specific Populations (8.6)]. Renal Impairment Control International Control International Control International Internatio

Hemodialysis for provide loss of metodcam, the fines three distance concentrations were higher for provide loss of metodcam, the fines three distance concentrations were higher hemodialysis. However, the modialysis of the three distance three distances are associated as a second associated as a second as a loss of the second associated as a second associated as a loss of the second associated associated as a loss of the second associated associated as a loss of the second associated associated as loss of the second associated associated loss of the loss of the loss of the loss of Cimetidine: Concomitant administration of 200 mg cimetidine four times daily did not alter the single-dose pharmacokinetics of 30 mg meloxicam.

ater the single-dose pharmacoknetics of 30 mg metokkam. Digosi: Neloxican JS mg once daigh of 7 days did not ater the plasma concentration profile of digoxin after J-acetyldigoxin administration for 7 days at chical doses. In wiro testing found no protein binding ding uniferaction between digoxin and metockatur. L/hium: In a study conducted in healthy subjects, mean pre-dose Bhanu concentration ad LU even Encessio J2 XI's nublect receiving Bhanu doses ranging from 804 to 1072 mg twite daily with metokkama IS mg OD every day as compared to subjects receiving Bhanu administration (27).

Methorevate: A study in 13 rheumatoid arthritis (RA) patients evaluated the effects of multiple does of metoxican on the pharmacohnetics of methorevate taken once weekly. Metoxican do not have a significant effect on the pharmacohnetics of single metody. The study of the human serum binding stee (see Drug Interactions (7). 1. Warraris: The effect of metoxican on the anticoapylate effect of warfarin was studied in a group of healthy subjects receiving daily doss of warfarin that produced an NR international Monabel Railo Biotevant 21 and 13. In these subjects, maloxican did determined by prothromatin tome. However, one subjects shouldown with warfars in science and hards in size of the study of the antimistriph deviced min NR and an increased RAI to Elbeeting patients on warfarin may experience changes in INR and an increased RAI to Elbeeting completions within a new malchale in study bard and protections (7).

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogen LatCrogenesis There was no increase in tumor incidence in long-term carcinogenicity studies in rats (104 weeks) and mice (99 weeks) administered metoxicam at oral doses up to 0.8 migkidgia in rats and up to 8.0 mg/kdgia in mice (up to 0.5-and 2.6-time, respectively, the maximum recommended human dose (MRHD) of 15 mg/day Meboxicam based on body surface are a (BSA) comparison).

Mutagenesis Mebxicam was not mutagenic in an Arnes assay, or clastogenic in a chromosome aberration assay with human lymphocytes and an *in vivo* micronucleus test in mo bone marrow.

Impairment of Fertility

Mebxican 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 5.8- and 3.2-times greater, respectively, than the MRHD based on BSA comparison).

14 CLINICAL STUDIES

14.1 Osteoarthritis and Rheumatoid Arthritis

14.1 Usedaminis and intermentation Artimits The use of Mexicon for the treatment of the signs and symptoms of osteoartimits of the inner and hp was evaluated in a 12-week, double blnd, controlled that Mexicon endpoints were investigations and an analysis and the signal and the signal assessment, and total WOME score (a set-administered questionaire addressing aday showed significant improvement in each of these endpoints compared with piecebo.

The use of Meloxicam for the management of signs and symptoms of osteoarthritis was evaluated in six double-bind, active-controlled trais outside the U.S. ranging from 4 weeks to 6 months duration. In three trais, the effective of Meloxicam, in doese of 7.5 mg/day and 15 mg/day, was comparable to proxicam 20 mg/day and dicblenac SR 100 mg/day and 15 mg/day.

14.2 Juvenile Rheumatoid Arthritis (JRA) Pauciarticular and Polyarticular Course

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

Both studies included three arms: naproxen and two doses of meloxicam. In both studies, meloxicam dosing began at 0.125 mg/sigklay (7.5 mg maximum) or 0.25 mg/sigklay (7.5 mg maximum) or 0.25 mg/sigklay (7.5 mg maximum) or 0.25 mg/sigklay and 0.37 mg/sigklay (7.25 mg maximum) or meloxicam and 15 mg/sigklay of 1.25 mg/sigklay and 0.375 mg/sigklay (7.25 mg maximum) or meloxicam and 0.35 mg/sigklay of naprose. The efficacy analysis used the ACR Relative 30 responder definition a composite of motion, and ergroups in the transmission of meloxicam and 15 mg/sigklay of naprose. The efficacy analysis used the ACR Relative 30 responder definition a composite of motion, and ergroups in the transmission fragments water of motion, and ergroups in the transmission fragments water of motion, and ergroups in tool studies, and no difference was observed between the mebiciam dose groups.

range

16 HOW SUPPLIED/STORAGE AND HANDLING

Meloxicam tablets USP are available as a light yelow, round, flat, uncoated tablet containing meloxicam 7.5 mg. The 7.5 mg tablet is impressed with letter U and L on one side and tablet code 7.5 on the other side.

Meloxicam Tablets USP 7.5 mg are available as follows NDC 51655-731-53: Bottles of 10 NDC 51655-731-53; Bottles of 10 NDC 51655-731-84; Bottles of 14 NDC 51655-731-54; Bottles of 15 NDC 51655-731-52; Bottles of 30 NDC 51655-731-25; Bottles of 60 NDC 51655-731-26; Bottles of 9 Storage Store at 20 ° to 25 °C (68 ° to 77 °F) [see USP Controlled Room Temperature]. Keep Meloxicam Tablets USP in a dry place

Dispense tablets in a tight container. Keep this and all medications out of the reach of children

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 Thromhotic Events Advise patients to be aier for the symptoms of cardiovascular thromhotic events, including chet pains, shortness of breath, weakness, or surring of speech, and to report any of these symptoms to their healthcare provider immediately [see Warni and Precaution [s 1]].

Gastrointestinal Bleeding, Ulceration, and Perforation

Advise patients to report symptoms of ulcerations and bleeding, including epigastri pain, dyspepsia, melenia, and hematemesis to their healthcare provider. In the sett concomtant use of low-does apprint for cardiac prophysias, inform patients of the increased risk for the signs and symptoms of Gi bleeding (see Warnings and Precautions (2-1)). -na of

Presultative the marring signs and symptoms of hepatotoxicity (e.g., nausea, fadjue, ektrary, darrhea, pruritus, juurdice, right upper quadrant tenderness, and "tu-like" symptoms). If these occur, instruct patients to stop Meloxicam tablets and seek

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 (5.5.9).

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 i these occur [see Contraindications (4) and Warnings and Precautions (5.7)].

Serious Skin Reactions including DRESS

Advise patients to stop taking MeX.23 Advise patients to stop taking MeX.23 rash and to contact their heathcare provider as soon as possible [see Warnings and Precautions (5.9, 5.10)].

Female Fertility <u>Tertitaler to use</u>: Advise females of reproductive potential who desire pregnancy that NSAIDs, including Mebxican tablets, may be associated with a reversible delay in ovulation [see Use in Specific Populations (8.3)].

Fetal Toxicity

IEEM LODGEV INFORM PROVIDENT AND ADDRESS AND ADDRES

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Inform patients that the concomitant use of Meloxicam tablets with other NSAIDs or salkylates (e.g., dflunka), salaalate) is not recommended due to the increased risk of gastrointestinal toxicity, and litte or no increase in efficacy (is ee Warnings and Precautions (5.2) and Drug Interactions (7.7). Alert patients that NSAIDs may be present in "over the counter" medicators for transment of colds, feer, or insomnia.

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.

Pilerne Ind. Estate, Pilerne, Bardez, Goa 403511, India Manufactured for:

UNICHEM

st Brunswick, NJ 08816 11-R-10/2021

13013588

SPL MEDGUIDE

Medication Guide for Nonsteroidal Anti-Inflammatory Drugs (NSAIDs) What is the most important information i should know about medicines sided tonsteroidal Anti-Inflammatory Drugs (NSAIDs)? Antipole and the state of the state of the state of the state of the side of the state my happen entry in treatment and may increase:

Increased risk of a heart attack or strong time. Lim how so community happen eithy intradiment and may horease: by the source of the source o

without warming symptoms but may cause dath err or beeding increases with: past history of stomakin users, or stomakh or Intestinal bleeding with use of NSAID taking metkine, caldk torikitosterökis", "anticaegulants", "SSRIs", or "SNRIs" increasing doses of NSAIDs smoking drinking alcohol dider age edvaluted live disease bleeding problem SAIDs should only be used: SAIDs should only be used:

section as the event of th

 If you have had an asthma attack, hives, or other allergic reaction with aspirin or any other KSAUB;
 If you hash har typess surgery;

 If the statistical is the surgery of the

Rever of writeshings blood pressure hart falter hart falter ber problems including hur falter bor ned blood cells (anema) life-threatening sish reactions in e-threatening sish reactions of the site and the sist of the site of the site of the Other side affects of MSADs include: stomach pain, constpation, diarrhea, gas settburn, nausea, vomiting, and dizzness. Settburn, nausea, vomiting, and dizzness. et emergency hear fyidt away if you get any of the following symptoms: rheat pain rheat pain.

shortness or or early of council of council of source of your body weakness in one part or side of your body slurred speech swelling of the face or throat

Stop taking your NSAID and call your healthcare provider right away if you get any of the following symptoms: • Nausea

et any of the following symptoms: Nausea more tired or weaker than usual diarmas diarmas your skin or eyes look yelow higheston or stomach pan flu-ike symptoms womk blood there is blood in your lowel movement or skin rash or bloots who fiver swelling of the arms, legs, hands and feet vement or it is black and sticky like tar

If you take too much of your NSAID, call your healthcare provider or get medical help right away. These are not all the possible side effects of NSAIDs. For more information, ask your healthcare provider or pharmacist about NSAIDs.

all your doctor for medical advice about side effects. You may report side effects to

Cal your doctor for medical advice about side effects. You may report side effects to FDA at - 360-FDA-1088. Other Information about NSAIDs: • Aspirin is an NSAID but it does not increase the chance of a heart attack. Aspirin can cause bleeding in the brain, stomach, and intestines. Aspirin can also cause ukers in the

use bleeding in the brain, sumach, and incessing, commission and intesting. omach and intestings. Some NSAIDs are sold in lower doses without a prescription (over-the-counter). Talk your healthcare provider before using over-the-counter NSAIDs for more than 10

To your nearmark provider border using over-the-counter NAUS for more than 10 <u>Discretal Information about the safe and effective uses of NABNDS</u> Medicines are sometimes prescribed for purposes other than those kield in a Medication Guide. Don to use NABNDS are a condition for which it was not prescribed. Jo not give NASIDs to other people, even if they have the same symptoms that you have. If you would like more information about NSAIDs, talk with your heathcare provider, you are ask your planmacks on healthcare provider for information about NSAIDs, that is and in the planmacks on healthcare provider for information about SNAIDs. that is the same symptoms and the same symptoms and the same symptoms that you have.

can ask your pharmactis or healthcare provider for information about NSAIDs that is writen for health professional.
Statistic for health professional.
Science 1998 Statistics and the second statistical second statistics of the other trademarks referenced are owned by tailing artists not alfiliated with Unicher Manufactured by UNICHER JACOMENTIAL Second Statistics of the Statistics of the

Pierne Ind. Estate, Pierne, Bardez, Goa 403511, India Manufactured for:

HARMACEUTICALS (USA). INC.

East Brunswick, NJ 08816 11-R-10/2021 13013588

This Medication Guide has been approved by the U.S. Food and Drug Administration. Revised: October 2021

PACKAGE LABEL.PRINCIPAL DISPLAY PANEL

NDC: 51655-731-26	
NDC: 51855-731-26 Meloxicam Tablets, USP 90 Tablets RX Only Big Conserved and an analysis Big Conserved from the respective Kange of the wash of children. Kange on a drypter.	Lover, e.e. Ber, A.D. 2000, 140, 2010, 210, 210, 210, 210, 210, 210, 2

MELOXICAM

Product Information
Product Type INDEX PRESCRIPTION (Searce) 324
Route of Administration 094.

Ingredient Name	Basis of Strength	Strengt
MELOXICAM (UNI: VG2QF83CGL) (MELOXICAM - UNIEVG2QF83CGL)	MELOXICAM	7.5 mg
Inactive Ingredients		
Ingredient Name	9	trength
CELLULOSE, MICROCRYSTALLINE (UNI: OP1R32D61U)		
CROSPOVIDONE (UNII: 257830E561)		
LACTOSE MONOHYDRATE (UNI: EWQ57Q8I5X)		
MAGNESIUM STEARATE (UNI: 70097M6/30)		
POVIDONE K30 (UNII: U725QW/32X)		
SILICON DIOXIDE (UNI: ETJ7Z6XBU4)		
TRISODIUM CITRATE DIHYDRATE (UNI: 822547895K)		

P	roduct Cha	racteristics			
c	olor	yellow	Score	n	o score
s	hape	ROUND	Size	7	mm
FI	avor		Imprint Code	L	;L;7;5
P	ackaging				
P #	ackaging Item Code	Package	Description	Marketing Start Date	Marketing En
P #		Package 60 in 1 BOTTLE, DISPENS Combination Product			Marketing En Date

3	NDC:51655- 731-52	30 in 1 BOTTLE, DISPENSING; Type 0: Not a Combination Product	01/05/2015
4	NDC:51655- 731-53	10 in 1 BOTTLE, DISPENSING; Type 0: Not a Combination Product	07/07/2020
5	NDC:51655- 731-54	15 in 1 BOTTLE, DISPENSING; Type 0: Not a Combination Product	07/07/2020
6	NDC:51655- 731-84	14 in 1 BOTTLE, DISPENSING; Type 0: Not a Combination Product	07/07/2020

		01/05/2015	
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
Marketing	Information		

Labeler - Northwind Pharmaceuticals (036986393)

Registrant - Northwind Pharmaceuticals (036986393)

Establishment Name Address ID/FEI Business Operations Northwind Pharmacendicals (205925393) repark(51553-731)

Revised: 1/2023

Northwind Pharmaceuticals