

Injury-Accidental

leadache

nsomnia

spiratory Pharyngiti:

Upper Respiratory

Clinical Impact:

Intervention

Clinical Impact

Intervention



PRODUCT NAME	: Celecoxib capsules	COUNTRY : US	LOCATION : -		Supersedes A/W No.:		V		
ITEM / PACK	: Outsert	NO. OF COLORS: 1	REMARK :						
DESIGN STYLE	: Front Side	PANTONE SHADE NOS.:	SUBSTRATE : 4	SUBSTRATE : 40 g/m ² Bible Paper					
CODE	: 8097249		Activities	Department	Name	Signature	D		
DIMENSIONS (MM)	: 640 x 510		Prepared By	Pkg.Dev					
ART WORK SIZE	: S/S	Black	Reviewed By	Pkg.Dev					
DATE	: 24-12-2024	Font Size 6 pt_Medi 10 pt	Approved By	Quality					

Note: Pharma code/ Bar code and adjacent text must be visible on folded leaflet These details can be moved by printed to arrange pharma code/ Bar code and adjacent text visible on folded leaflet

	2.9%	2.3%	3.0%	2.6%	3.2%		ACE Inhibitors, Angioten	sin Receptor Blockers, and Beta-Blockers		history/experience with other CYP2C9 substrates (such as warfarin, phenytoin) administer celecoxib starting w recommended dose. Alternative management should be considered in JRA patients identified to be CYP2C9 poor
I	2.0%	1.7%	2.6%	1.3%	2.3%		Clinical Impact:	 NSAIDs may diminish the antihypertensive effect of ACE inhibitors, ARBs, or beta-blockers (including propranolol). In patients who are elderly, volume-depleted (including those on diuretic therapy), or have renal 	10	Dosage and Administration (2.7) and Clinical Pharmacology (12.5)]. OVERDOSAGE
	15.8% 2.3%	20.2% 2.3%	14.5% 2.9%	15.5% 1.3%	15.4%			 impairment, co-administration of an NSAID with ACE inhibitors or ARBs may result in deterioration of renal function, including possible acute renal failure. These effects are usually reversible. During concomitant use of celecoxib and ACE inhibitors, ARBs, or beta-blockers, monitor blood pressure to ensure that the desired blood pressure is obtained. During concomitant use of celecoxib and ACE inhibitors or ARBs in patients who are elderly, 		Symptoms following acute NSAID overdosages have been typically limited to lethargy, drowsiness, nausea, vomit pain, which have been generally reversible with supportive care. Gastrointestinal bleeding has occurred. Hyperte failure, respiratory depression, and coma have occurred, but were rare [see Warnings and Precautions (5.2, 5.4, 5. No overdoses of celecoxib were reported during clinical trials. Doses up to 2400 mg/day for up to 10 days in 12 paties serious toxicity. No information is available regarding the removal of celecoxib by hemodialysis, but based on its higi protein binding (>97%) dialysis is unlikely to be useful in overdose.
/	2.3% 2.0% 5.0% 8.1%	1.1% 1.3% 4.3% 6.7%	1.7% 2.4% 4.0% 9.9%	1.6% 2.3% 5.4% 9.8%	2.6% 0.6% 5.8% 9.9%		Intervention:	 volume-depleted, or have impaired renal function, monitor for signs of worsening renal function [see Warnings and Precautions (5.6)]. When these drugs are administered concomitantly, patients should be adequately hydrated. Assess renal function at the beginning of the concomitant treatment and periodically thereafter. 		Manage patients with symptomatic and supportive care following an NSAID overdosage. There are no specific a emesis and/or activated charcoal (60 to 100 grams in adults, 1 to 2 grams per kg of body weight in pediatric patien cathartic in symptomatic patients seen within four hours of ingestion or in patients with a large overdosage (recommended dosage). Forced diuresis, alkalinization of urine, hemodialysis, or hemoperfusion may not be useful
mg tv	2.2% 200 mg twice daily or 2 vice daily; ice daily;	2.1% 200 mg once daily;	2.1%	1.3%	1.2%		Diuretics Clinical Impact:	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 been attributed to the NSAID inhibition of renal prostaglandin synthesis.	11	binding. For additional information about overdosage treatment contact a poison control center (1-800-222-1222). DESCRIPTION Celecoxib capsule is a nonsteroidal anti-inflammatory drug, available as capsules containing 50 mg, 100 mg, 20
contro receiv re dys	ree times daily. olled clinical trials, the di ving placebo. Among the pepsia and abdominal p	e most common re ain (cited as reasc	asons for discontinu ons for discontinuati	ation due to adverse e on in 0.8% and 0.7%	events in the celecoxib of celecoxib patients,		Intervention: Digoxin Clinical Impact:	During concomitant use of celecoxib with diuretics, observe patients for signs of worsening renal function, in addition to assuring diuretic efficacy including antihypertensive effects [see Warnings and Precautions (5.6)]. The concomitant use of Celecoxib with digoxin has been reported to increase the serum concentration		celecoxib, USP for oral administration. The chemical name is 4-[5-(4-methylphenyl)-3-(trifluoromethyl)-1H-pyr sulfonamide and is a diaryl-substituted pyrazole. The molecular weight is 381.38. Its molecular formula is $C_{17}H_{14}F_{3}N_{17}N_{14}F_{3}N_{15$
•	nts receiving placebo, 0. accurred in 0.1% to 1.9%						Intervention:	and prolong the half-life of digoxin. During concomitant use of celecoxib and digoxin, monitor serum digoxin levels.		O ^N N/N/CF ₃
					ritis, gastroenteritis, stomatitis, tenesmus,		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 by		CH ₃ CH ₃
	Hypersensitivity, a fever, hot flushes,	llergic reaction, c influenza-like symp	hest pain, cyst NOS ptoms, pain, periphe	eral pain	l infarction , face edema, fatigue,		Intervention: Methotrexate	approximately 20%. This effect has been attributed to NSAID inhibition of renal prostaglandin synthesis. During concomitant use of celecoxib and lithium, monitor patients for signs of lithium toxicity.		Celecoxib, USP is a white or almost white, crystalline powder with a pKa of 11. Celecoxib is freely soluble in methylene chloride, practically insoluble in water. The inactive ingredients in celecoxib capsule include: croscarmellose sodium, lactose monohydrate DCL 11, ma
s sysi	tem: Leg cramps, hyper Deafness, tinnitus Palpitation, tachyc Henatic enzyme in	ardia	a, migraine, paresth SGOT increased, SG				Clinical Impact:	Concomitant use of NSAIDs and methotrexate may increase the risk for methotrexate toxicity (e.g., neutropenia, thrombocytopenia, renal dysfunction). Celecoxib has no effect on methotrexate pharmacokinetics.		povidone (K 30) and sodium lauryl sulfate. The capsule shells contain gelatin, sodium lauryl sulfate and titanium dioxide. In addition, 50 mg capsule shell cont 100 mg capsule shell contain FD&C bue 1 and FD&C red 40, 200 mg capsule shell contain iron oxide yellow and 40 contain FD&C blue 2 and iron oxide yellow.
	blood urea nitroge	n (BUN) increased, pokalemia, NPN ir	creatine phosphokin hcreased, creatinine	nase (CPK) increased,	hypercholesterolemia, hosphatase increased,		Intervention: Cyclosporine Clinical Impact: Intervention:	During concomitant use of celecoxib and methotrexate, monitor patients for methotrexate toxicity. Concomitant use of celecoxib and cyclosporine may increase cyclosporine's nephrotoxicity. During concomitant use of celecoxib and cyclosporine, monitor patients for signs of worsening renal function.	12	The imprinting ink contains iron oxide black, propylene glycol, potassium hydroxide, povidone, shellac, sodium hydr dioxide. CLINICAL PHARMACOLOGY Mechanism of Action
ting):	Ecchymosis, epista	axis, thrombocythe		sness, somnolence			NSAIDs and Salicylates Clinical Impact:	Concomitant use of Celecoxib with other NSAIDs or salicylates (e.g., diflunisal, salsalate) increases the risk of GI toxicity, with little or no increase in efficacy [see Warnings and Precautions (5.2)].		Celecoxib has analgesic, anti-inflammatory, and antipyretic properties. The mechanism of action of celecoxib is believed to be due to inhibition of prostaglandin synthesis, primarily via in Celecoxib is a potent inhibitor of prostaglandin synthesis <i>in vitro</i> . Celecoxib concentrations reached during therapy <i>vivo</i> effects. Prostaglandins sensitize afferent nerves and potentiate the action of bradykinin in inducing pain
		s, photosensitivity sweating increase	reaction, pruritus, ra	ough, dyspnea, laryng ash erythematous, ras	itis, pneumonia h maculopapular, skin		Intervention: Pemetrexed Clinical Impact:	The concomitant use of Celecoxib with other NSAIDs or salicylates is not recommended. Concomitant use of celecoxib and pemetrexed may increase the risk of pemetrexed-associated myelosuppression, renal, and GI toxicity (see the pemetrexed prescribing information).	12.2	Prostaglandins are mediators of inflammation. Since celecoxib is an inhibitor of prostaglandin synthesis, its mode of to a decrease of prostaglandins in peripheral tissues. Pharmacodynamics
se eve	Albuminuria, cysti ents (causality not evalu	tis, dysuria, hemati ated) occurred in <	<0.1% of patients:	uency, renal calculus			Intervention:	During concomitant use of celecoxib and pemetrexed, in patients with renal impairment whose creatinine clearance ranges from 45 to 79 mL/min, monitor for myelosuppression, renal and GI toxicity. NSAIDs with short elimination half-lives (e.g., diclofenac, indomethacin) should be avoided for a period		<u>Platelets</u> In clinical trials using normal volunteers, celecoxib at single doses up to 800 mg and multiple doses of 600 mg twi days duration (higher than recommended therapeutic doses) had no effect on reduction of platelet aggregation or in time. Because of its lack of platelet effects, celecoxib is not a substitute for aspirin for cardiovascular prophylaxis. It is
	accident, periphera	al gangrene, throm tion, intestinal p	bophlebitis erforation, gastroir	on, pulmonary embo ntestinal bleeding, c	lism, cerebrovascular colitis with bleeding,		mervenion.	of two days before, the day of, and two days following administration of pemetrexed. In the absence of data regarding potential interaction between pemetrexed and NSAIDs with longer half-lives (e.g., meloxicam, nabumetone), patients taking these NSAIDs should interrupt dosing for at		The because of its lack of platelet effects, delection is not a substitute for aspirit for cardiovascular prophytaxis. It is are any effects of celecoxib on platelets that may contribute to the increased risk of serious cardiovascular thrombo associated with the use of celecoxib. Fluid Retention
	Sepsis, sudden de Cholelithiasis	ath					CYP2C9 Inhibitors or Ind Clinical Impact:	Celecoxib metabolism is predominantly mediated via cytochrome P450 (CYP) 2C9 in the liver.		Inhibition of PGE2 synthesis may lead to sodium and water retention through increased reabsorption in the rer ascending loop of Henle and perhaps other segments of the distal nephron. In the collecting ducts, PGE2 appear reabsorption by counteracting the action of antidiuretic hormone.
. ,	Thrombocytopenia Ataxia, suicide, <i>[se</i> Acute renal failure	ee Drug Interaction					Intervention	Co-administration of celecoxib with drugs that are known to inhibit CYP2C9 (e.g., fluconazole) may enhance the exposure and toxicity of celecoxib whereas co-administration with CYP2C9 inducers (e.g., rifampin) may lead to compromised efficacy of celecoxib. Evaluate each patient's medical history when consideration is given to prescribing celecoxib. A dosage		Pharmacokinetics Celecoxib exhibits does-proportional increase in exposure after oral administration up to 200 mg twice daily and less increase at higher doses. It has extensive distribution and high protein binding. It is primarily metabolized by CYP2C approximately 11 hours.
: The i comp	Arthritis Safety Study [se incidence of clinically sig pared to patients on eith	gnificant decreases er diclofenac 75 m	in hemoglobin (>2 g g twice daily (1.3%)	or ibuprofen 800 mg t	hree times daily 1.9%.		CYP2D6 substrates	adjustment may be warranted when celecoxib is administered with CYP2C9 inhibitors or inducers [see Clinical Pharmacology (12.3)].		Absorption Peak plasma levels of celecoxib occur approximately 3 hours after an oral dose. Under fasting conditions, both j (C _{max}) and area under the curve (AUC) are roughly dose-proportional up to 200 mg
<i>Adver</i> fen w	nts with celecoxib was n <i>se Events:</i> Kaplan-Meier ere 24%, 29%, and 26% erwise medically signific	cumulative rates a , respectively. Rat	at 9 months for with es for serious advers	drawals due to advers se events (i.e., causing	e events for celecoxib, g hospitalization or felt		Clinical Impact:	In vitro studies indicate that celecoxib, although not a substrate, is an inhibitor of CYP2D6. Therefore, there is a potential for an <i>in vivo</i> drug interaction with drugs that are metabolized by CYP2D6 (e.g., atomoxetine), and celecoxib may enhance the exposure and toxicity of these drugs. Evaluate each patient's medical history when consideration is given to prescribing celecoxib. A dosage		higher doses there are less than proportional increases in C _{max} and AUC (see Food Effects). Absol studies have not been conducted. With multiple dosing, steady-state conditions are reached on or before Day 5. Th parameters of celecoxib in a group of healthy subjects are shown in Table 4. Table 4. Summary of Single Dose (200 mg) Disposition Kinetics of Celecoxib in Healthy Subjects ¹
e-blind	<u>tis Study</u> 1, active-controlled stud	ly, 242 JRA patier	nts 2 years to 17 ye	ears of age were trea	ited with celecoxib or		Corticosteroids	adjustment may be warranted when celecoxib is administered with CYP2D6 substrates [see Clinical Pharmacology (12.3)].		Mean (%CV) PK Parameter Values C _{max} , ng/mL T _{max} , hr Effective t _{1/2} , hr V _{sx} /F, L
treate heada Ig. Th	were treated with celeco: d with naproxen 7.5 mg ache, fever (pyrexia), up e most commonly occ	ı/kg twice daily. Th oper abdominal pa urring (≥5%) adve	e most commonly o in, cough, nasophar erse experiences for	ccurring (≥5%) adver yngitis, abdominal pa ∙ naproxen-treated pa	se events in celecoxib in, nausea, arthralgia, tients were headache,		Clinical Impact: Intervention:	Concomitant use of corticosteroids with celecoxib may increase the risk of GI ulceration or bleeding. Monitor patients with concomitant use of celecoxib with corticosteroids for signs of bleeding [see Warnings and Precautions (5.2)].		705 (38) 2.8 (37) 11.2 (31) 429 (34) 1 Subjects under fasting conditions (n=36, 19 to 52 yrs.) Food Effects
3 and plind s	pper abdominal pain, dia 6 mg/kg twice daily hac study. There was no su tment groups.	l no observable del	leterious effect on gr	rowth and developmer	nt during the course of		USE IN SPECIFIC POPULAT Pregnancy Risk Summary	IONS		When celecoxib capsules were taken with a high fat meal, peak plasma levels were delayed for abo with an increase in total absorption (AUC) of 10% to 20%. Under fasting conditions, at doses above 200 mg, ti proportional increase in C _{max} and AUC, which is thought to be due to the low solubility of the drug in aqueous media
bel ex	tension of the double-b f adverse events was sir						Use of NSAIDs, including c oligohydramnios and, in sc	elecoxib, can cause premature closure of the fetal ductus arteriosus and fetal renal dysfunction leading to me cases, neonatal renal impairment. Because of these risks, limit dose and duration of celecoxib use eeks of gestation and avoid celecoxib use at about 30 weeks of gestation and later in pregnancy <i>(see Clinical</i>		Coadministration of celecoxib with an aluminum- and magnesium-containing antacids resulted in a reduction in concentrations with a decrease of 37% in C_{max} and 10% in AUC. Celecoxib, at doses up to 200 mg twice daily, cs without regard to timing of meals. Higher doses (400 mg twice daily) should be administered with food to improve In healthy adult volunteers, the overall systemic exposure (AUC) of celecoxib was equivalent when celecoxib was adr
curri	ng in ≥5% of JRA Patie -	nts in Any Treatm Celecoxib	ent Group, by Syste All Doses Twi Celeco	ce Daily	patients with events) Naproxen			Ductus Arteriosus elecoxib, at about 30 weeks gestation or later in pregnancy increases the risk of premature closure of the		capsule or capsule contents sprinkled on applesauce. There were no significant alterations in C_{max} , T_{max} or $t_{1/2}$ afte capsule contents on applesauce [see Dosage and Administration (2)]. <u>Distribution</u>
		3 mg/kg N=77 64	6 mg/l N=82	kg 7	7.5 mg/kg N=83 72			weeks gestation or later in pregnancy has been associated with cases of fetal renal dysfunction leading to		In healthy subjects, celecoxib is highly protein bound (-97%) within the clinical dose range. In vitro studies indi- binds primarily to albumin and, to a lesser extent, α_i -acid glycoprotein. The apparent volume of distribution at ste approximately 400 L, suggesting extensive distribution into the tissues. Celecoxib is not preferentially bound to red
		5 26	5		5 36		Data from observational stu pregnancy are inconclusive	me cases, neonatal renal impairment. dies regarding other potential embryofetal risks of NSAID use in women in the first or second trimesters of b. In animal reproduction studies, embryo-fetal deaths and an increase in diaphragmatic hernias were disclosed to be and the partiel of generations that here are worked to be a second to be an increase in the partiel t		Elimination Metabolism Celecoxib metabolism is primarily mediated via CYP2C9. Three metabolites, a primary alcohol, the corresponding (its glucuronide conjugate, have been identified in human plasma. These metabolites are inactive as COX-1 or COX-3
r		4 8 3 5	7 6 6 4		7 10 11 8		recommended human dose sternebrae fused and stern	ed celecoxib daily during the period of organogenesis at oral doses approximately 6 times the maximum ((MRHD) of 200 mg twice daily. In addition, structural abnormalities (e.g., septal defects, ribs fused, lebrae misshapen) were observed in rabbits given daily oral doses of celecoxib during the period of ately 2 times the MRHD (see Data). Based on animal data, prostaglandins have been shown to have an		Excretion Celecoxib is eliminated predominantly by hepatic metabolism with little (<3%) unchanged drug recovered in th Following a single oral dose of radiolabeled drug, approximately 57% of the dose was excreted in the feces and 27%
		7 13 8	4 11 9		11 18 11		prostaglandin synthesis inh been shown to have an impo	al vascular permeability, blastocyst implantation, and decidualization. In animal studies, administration of ibitors such as celecoxib, resulted in increased pre- and post-implantation loss. Prostaglandins also have rtant role in fetal kidney development. In published animal studies, prostaglandin synthesis inhibitors have under the superstant when the individual studies.		the urine. The primary metabolite in both urine and feces was the carboxylic acid metabolite (73% of dose) with le glucuronide also appearing in the urine. It appears that the low solubility of the drug prolongs the absorption proce: half-life ($t_{1/2}$) determinations more variable. The effective half-life is approximately 11 hours under fasted conditi plasma clearance (CL/F) is about 500 mL/min.
		25 5 4	20 6 6		27 5 5		The estimated background background risk of birth def	rey development when administered at clinically relevant doses. isk of major birth defects and miscarriage for the indicated population is unknown. All pregnancies have a ect, loss, or other adverse outcomes. In the general U.S. population, the estimated background risk of major i n clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.		<u>Specific Populations</u> <i>Geriatric</i> At steady state, elderly subjects (over 65 years old) had a 40% higher C _{max} and a 50% higher AUC compared to the
		3 8 3	11 10 7		7 17 4		Clinical Considerations Fetal/Neonatal Adverse Rea Premature Closure of Fetal	ctions		elderly females, celecoxib C _{inux} and AUC are higher than those for elderly males, but these increases are predomin body weight in elderly females. Dose adjustment in the elderly is not generally necessary. However, for patients of body weight, initiate therapy at the lowest recommended dose [see Use in Specific Populations (8.5)]. Pediatric
D)		17 13 1	11 10 1		21 16 7		Avoid use of NSAIDs in wo premature closure of the fet Oligohydramnios/Neonatal	men at about 30 weeks gestation and later in pregnancy, because NSAIDs, including celecoxib, can cause al ductus arteriosus <i>(see Data).</i> Renal Impairment:		The steady state pharmacokinetics of celecoxib administered as an investigational oral suspension was evaluated in 2 years to 17 years of age weighing =10 kg with pauciarticular or polyarticular course JRA and in patients with sy Population pharmacokinetic analysis indicated that the oral clearance (unadjusted for body weight) of celecoxib i proportionally to increasing weight, with 10 kg and 25 kg patients predicted to have 40% and 24% lower clear
		8 7 10	15 7 7		15 8 18		duration possible. If celeco	t about 20 weeks gestation or later in pregnancy, limit the use to the lowest effective dose and shortest ixib treatment extends beyond 48 hours, consider monitoring with ultrasound for oligohydramnios. If scontinue celecoxib and follow up according to clinical practice <i>(see Data)</i> .		compared with a 70 kg adult RA patient. Twice-daily administration of 50 mg capsules to JRA patients weighing \geq 12 to \leq 25 kg and 100 mg capsules to JRA $>$ 25 kg should achieve plasma concentrations similar to those observed in a clinical trial that demonstrated the
sphoł ncrea:	ts, which include: P kinase increased, Bloo sed, Hematocrit decr	od culture positi reased, Hematuria	ive, Blood glucose a present, Hemog	e increased, Blood globin decreased, I	pressure increased,		There are no studies on th	e effects of celecoxib during labor or delivery. In animal studies, NSAIDs, including celecoxib, inhibit use delayed parturition, and increase the incidence of stillbirth.		celecoxib to naproxen 7.5 mg/kg twice daily [see Dosage and Administration (2.4)]. Celecoxib has not been studi under the age of 2 years, in patients with body weight less than 10 kg (22 lbs), or beyond 24 weeks. Race Meta-analysis of pharmacokinetic studies has suggested an approximately 40% higher AUC of celecoxib in BI
n Anl	present, Transaminase kylosing Spondylitis Si	<i>tudies:</i> A total of	378 patients were	e treated with celeco			Premature Closure of Fetal			Caucasians. The cause and clinical significance of this finding is unknown. <i>Hepatic Impairment</i> A pharmacokinetic study in subjects with mild (Child-Pugh Class A) and moderate (Child-Pugh Class B) hepatic imp
ted in <i>Analg</i>	s. Doses up to 400 mg o the OA/RA studies. esia and Dysmenorrhea patients in post-oral su	Studies: Approxim	ately 1,700 patients	were treated with cele	coxib in analgesia and		of the fetal ductus arteriosu Oligohydramnios/Neonatal			that steady-state celecoxib AUC is increased about 40% and 180%, respectively, above that seen in healthy control s the daily recommended dose of celecoxib capsules should be reduced by approximately 50% in patients with moo Class B) hepatic impairment. Patients with severe hepatic impairment (Child-Pugh Class C) have not been studied. T in patients with severe hepatic impairment is not recommended <i>Isee Dosage and Administration (2.7) and Use in S</i>
meno	tudied in primary dysmo rrhea studies were simil alveolar osteitis (dry soc	ar to those reporte	d in arthritis studies	. The only additional a			associated with fetal renal outcomes are seen, on aver 48 hours after NSAID initiat	dysfunction leading to oligohydramnios, and in some cases, neonatal renal impairment. These adverse age, after days to weeks of treatment, although oligohydramnios has been infrequently reported as soon as ion. In many cases, but not all, the decrease in amniotic fluid was transient and reversible with cessation een a limited number of case reports of maternal NSAID use and neonatal renal dysfunction without		(8.6)]. Renal Impairment In a cross-study comparison, celecoxib AUC was approximately 40% lower in patients with chronic renal insufficie
ıg dail	<i>ng-term, Placebo-contro</i> ly for up to 3 years <i>[see</i> curred in higher percent	Clinical Studies (1	4.7)].				oligohydramnios, some of procedures, such as exchar Methodological limitations	which were irreversible. Some cases of neonatal renal dysfunction required treatment with invasive ge transfusion or dialysis. of these postmarketing studies and reports include lack of a control group; limited information regarding		mL/min) than that seen in subjects with normal renal function. No significant relationship was found between I clearance. Patients with severe renal insufficiency have not been studied. Similar to other NSAIDs, celecoxib is no patients with severe renal insufficiency [see Warnings and Precautions (5.6)]. Drug Interaction Studies
se eve	nts from celecoxib pre- ed with celecoxib were of	marketing controlle greater as compare Celecoxib	<i>ed arthritis trials,</i> ab ed to the arthritis pre	ove). The adverse read -marketing trials were	ctions for which these		reliable estimate of the risk	of drug exposure; and concomitant use of other medications. These limitations preclude establishing a of adverse fetal and neonatal outcomes with maternal NSAID use. Because the published safety data on a mostly preterm infants, the generalizability of certain reported risks to the full-term infant exposed to se is uncertain.		<i>In vitro</i> studies indicate that celecoxib is not an inhibitor of cytochrome P450 2C9, 2C19 or 3A4. <i>In vivo</i> studies have shown the following: <i>Aspirin</i>
lux dis	,	to 800 mg daily) <u>N = 2,285</u> 10.5% 4.7%	<u>N=1</u> 7.	cebo I <u>.303</u> 0% 1%			caused an increased incider	0 mg/kg/day (approximately 2 times the human exposure at 200 mg twice daily as measured by AUC _{9 10.24}), ce of ventricular septal defects, a rare event, and fetal alterations, such as ribs fused, sternebrae fused and rabbits were treated throughout organogenesis. A dose-dependent increase in diaphragmatic hernias was		When NSAIDs were administered with aspirin, the protein binding of NSAIDs were reduced, although the clearance not altered. The clinical significance of this interaction is not known. See Table 3 for clinically significant drug inter with aspirin [see Drug Interactions (7)]. Lithium
		6.8% 3.2% 2.8% 12.5%	2. 1.	3% 1% 6% 8%			observed when rats were gi at 200 mg twice daily for R	ven celecoxib at oral doses ≥30 mg/kg/day (approximately 6 times human exposure based on the AUC. A) throughout organogenesis. In rats, exposure to celecoxib during early embryonic development resulted t-implantation losses at oral doses ≥50 mg/kg/day (approximately 6 times human exposure based on the		In a study conducted in healthy subjects, mean steady-state lithium plasma levels increased approximately 17% in lithium 450 mg twice daily with celecoxib 200 mg twice daily as compared to subjects receiving lithium alone [see (7)]. Fluconazole
rm po	dverse reactions occurr	2.1% ed in $\geq 0.1\%$ and \sim and were either no	0. <1% of patients tak ot reported during th	8% ing celecoxib, at an i le controlled arthritis j		8.2		lence of delayed labor or parturition at oral doses up to 100 mg/kg in rats (approximately 7-fold human he $AUG_{0 \ln 24}$ at 200 mg twice daily). The effects of celecoxib on labor and delivery in pregnant women are		Concomitant administration of fluconazole at 200 mg once daily resulted in a two-fold increase in celecoxib plasma of increase is due to the inhibition of celecoxib metabolism via P450 2C9 by fluconazole [see Drug Interactions (7)]. Other Drugs The effects of celecoxib on the pharmacokinetics and/or pharmacodynamics of glyburide, ketoconazole, [see Drug
	ency in the long-term, p Cerebral infarction Vitreous floaters, conj			idies:		0.2	<u>Risk Summary</u> Limited data from 3 publishe calculated average daily inf	ed reports that included a total of 12 breastfeeding women showed low levels of celecoxib in breast milk. The ant dose was 10 to 40 mcg/kg/day, less than 1% of the weight-based therapeutic dose for a two-year	12.5	phenytoin, and tolbutamide have been studied <i>in vivo</i> and clinically important interactions have not been found. Pharmacogenomics CYP2C9 activity is reduced in individuals with genetic polymorphisms that lead to reduced enzyme activity, such as i
	Labyrinthitis Angina unstable, ao ventricular hypertroph Deep vein thrombosis		etence, coronary a	artery atherosclerosis	s, sinus bradycardia,		celecoxib is administered to	eastfed infants 17 and 22 months of age did not show any adverse events. Caution should be exercised when a nursing woman. The developmental and health benefits of breastfeeding should be considered along with for celecoxib and any potential adverse effects on the breastfed infant from the celecoxib or from the n.		for the CYP2C9*2 and CYP2C9*3 polymorphisms. Limited data from 4 published reports that included a total of 4 homozygous CYP2C9*3/*3 genotypes showed celecoxib systemic levels that were 3- to 7-fold higher in these sub subjects with CYP2C9*1/*1 or *1/*3 genotypes. The pharmacokinetics of celecoxib have not been evaluated in s CYP2C9 polymorphisms, such as *2, *5, *6, *9 and *11. It is estimated that the frequency of the homozygous *3/*
:	Ovarian cyst Blood potassium incre	eased blood sodiu	m increased blood t	estosterone decrease	d	8.3	Females and Males of Rep Infertility		13	 Nonclinical toxicology Nonclinical toxicology Nonclinical toxicology Nonclinical toxicology Carcinogenesis, Mutagenesis, Impairment of Fertility
d tions: ience	Epicondylitis, tendon i	,	in noroassa, sissa i		u		ovarian follicles, which has	f action, the use of prostaglandin-mediated NSAIDs, including celecoxib, may delay or prevent rupture of been associated with reversible infertility in some women. Published animal studies have shown that din synthesis inhibitors has the potential to disrupt prostaglandin mediated follicular rupture required for		<u>Carcinogenesis</u> Celecoxib was not carcinogenic in Sprague-Dawley rats given oral doses up to 200 mg/kg for males and 10 (approximately 2-to 4-times the human exposure as measured by the $AUC_{010,24}$ at 200 mg twice daily) or in mice giv 25 mg/kg for males and 50 mg/kg for females (approximately equal to human exposure as measured by the AUC_{010}
	ctions have been identif on of uncertain size, it ire						NSAIDs, including celecoxit Pediatric Use	women treated with NSAIDs have also shown a reversible delay in ovulation. Consider withdrawal of , in women who have difficulties conceiving or who are undergoing investigation of infertility.		daily) for two years. <u>Mutagenesis</u> Celecoxib was not mutagenic in an Ames test and a mutation assay in Chinese hamster ovary (CHO) cells, no
	Vasculitis, deep venou Anaphylactoid reaction Liver necrosis, hepatit	n, angioedema iis, jaundice, hepati	ic failure				efficacy have not been stud has not been evaluated and	lief of the signs and symptoms of Juvenile Rheumatoid Arthritis in patients 2 years and older. Safety and ied beyond six months in children. The long-term cardiovascular toxicity in children exposed to celecoxib it is unknown if long-term risks may be similar to that seen in adults exposed to celecoxib or other COX-2 NSAIDs <i>[see Boxed Warning, Warnings and Precautions (5.5), and Clinical Studies (14.3)]</i> .		chromosome aberration assay in CHO cells and an <i>in vivo</i> micronucleus test in rat bone marrow. <u>Impairment of Fertility</u> Celecoxib had no effect on male or female fertility or male reproductive function in rats at oral doses up (approximately 11-times human exposure at 200 mg twice daily based on the AUC _{0,n=0}). At \geq 50 mg/kg/day (app
	Agranulocytosis, aplas anemia, pancytopenia Hypoglycemia, hypon	, leucopenia atremia					The use of celecoxib in pati onset JRA was studied in open-label extension. Celec	ents 2 years to 17 years of age with pauciarticular, polyarticular course JRA or in patients with systemic a 12-week, double-blind, active controlled, pharmacokinetic, safety and efficacy study, with a 12-week oxib has not been studied in patients under the age of 2 years, in patients with body weight less than 10 kg	13.2	human exposure based on the AUC _{0 to 24} at 200 mg twice daily) there was increased preimplantation loss. Animal Toxicology An increase in the incidence of background findings of spermatocele with or without secondary changes such as epidic
s:	Aseptic meningitis, ag Interstitial nephritis Erythema multiforme,	exfoliative dermati	itis, Stevens-Johnso	n Syndrome (SJS), to			(22 lbs), and in patients wit be at risk for the developme naproxen were associated w	h active systemic features. Patients with systemic onset JRA (without active systemic features) appear to nt of abnormal coagulation laboratory tests. In some patients with systemic onset JRA, both celecoxib and ith mild prolongation of activated partial thromboplastin time (APTT) but not prothrombin time (PT). When a re used in patients with systemic onset JRA, monitor patients for signs and symptoms of abnormal		as well as minimal to slight dilation of the seminiferous tubules was seen in the juvenile rat. These reproductive findin treatment-related did not increase in incidence or severity with dose and may indicate an exacerbation of a spontaneou reproductive findings were not observed in studies of juvenile or adult dogs or in adult rats treated with celecoxib. The of this observation is unknown.
S	necrolysis (TEN), drug exanthematous pustul	osis (AGEP), and f), acute generalized		clotting or bleeding, due to for the development of abn <i>Reactions (6.1), Animal Tox</i>	the risk of disseminated intravascular coagulation. Patients with systemic onset JRA should be monitored ormal coagulation tests [see Dosage and Administration (2.4), Warnings and Precautions (5.15), Adverse icology (13.2), Clinical Studies (14.3)].	14 14.1	CLINICAL STUDIES Osteoarthritis Celecoxib has demonstrated significant reduction in joint pain compared to placebo. Celecoxib was evaluated for tree
gnific	gnificant drug interaction ant Drug Interactions w Hemostasis	vith Celecoxib	h ac weeks to the		t on block to the	8.5	Poor Metabolizers of CYP20 Geriatric Use			and the symptoms of OA of the knee and hip in placebo- and active-controlled clinical trials of up to 12 weeks durati- OA, treatment with celecoxib 100 mg twice daily or 200 mg once daily resulted in improvement in WOMAC (W McMaster Universities) osteoarthritis index, a composite of pain, stiffness, and functional measures in OA. In three pain accompanying OA flare, celecoxib doses of 100 mg twice daily and 200 mg twice daily provided significant redu
ct:	concomitant use compared to the • Serotonin release	of Celecoxib and use of either drug a by platelets play	l anticoagulants hav alone. 's an important role	e a synergistic effec ve an increased risk e in hemostasis. Case	of serious bleeding e-control and cohort		renal adverse reactions. If t the dosing range, and moni	o younger patients, are at greater risk for NSAID-associated serious cardiovascular, gastrointestinal, and/or he anticipated benefit for the elderly patient outweighs these potential risks, start dosing at the low end of tor patients for adverse effects [see Warnings and Precautions (5.1, 5.2, 5.3, 5.6, 5.14)]. Its who received celecoxib in pre-approval clinical trials, more than 3,300 were 65 to 74 years of age, while		24 to 48 hours of initiation of dosing. At doses of 100 mg twice daily or 200 mg twice daily the effectiveness of cel to be similar to that of naproxen 500 mg twice daily. Doses of 200 mg twice daily provided no additional benefit at 100 mg twice daily. A total daily dose of 200 mg has been shown to be equally effective whether administered as 10
:	epidemiological reuptake and an I Monitor patients wit	studies showed th VSAID may potenti h concomitant use	hat concomitant us ate the risk of bleedi e of celecoxib with a	e of drugs that inte ng more than an NSA anticoagulants (e.g., v g [<i>see Warnings and</i>	rfere with serotonin ID alone. warfarin), antiplatelet		approximately 1,300 addition these subjects and younger platelet function as measure	nal patients were 75 years and over. No substantial differences in effectiveness were observed between subjects. In clinical studies comparing renal function as measured by the GFR, BUN and creatinine, and ed by bleeding time and platelet aggregation, the results were not different between elderly and young	14.2	200 mg once daily. Rheumatoid Arthritis Celecoxib has demonstrated significant reduction in joint tenderness/pain and joint swelling compared to place
ct:	Controlled clinical st does not produce an	udies showed that ly greater therapeu	the concomitant use tic effect than the use	e of NSAIDs and analg se of NSAIDs alone. Ir	esic doses of aspirin a clinical study, the	0.5	volunteers. However, as w post-marketing reports of fa (5.2, 5.6)].	ith other NSAIDs, including those that selectively inhibit COX-2, there have been more spontaneous ital GI events and acute renal failure in the elderly than in younger patients [see Warnings and Precautions		evaluated for treatment of the signs and symptoms of RA in placebo- and active-controlled clinical trials of up to 24 Celecoxib was shown to be superior to placebo in these studies, using the ACR20 Responder Index, a composite of and functional measures in RA. Celecoxib doses of 100 mg twice daily and 200 mg twice daily were similar in effective comparable to naproxen 500 mg twice daily.
	concomitant use of a adverse reactions as In two studies in hea	in NSAID and aspir compared to use o althy volunteers, ar	in was associated w of the NSAID alone [nd in patients with o	ith a significantly incre see Warnings and Pre steoarthritis and estal	eased incidence of GI ecautions (5.2)]. blished heart disease			se of celecoxib capsules in patients with moderate hepatic impairment (Child-Pugh Class B) should be celecoxib in patients with severe hepatic impairment is not recommended <i>[see Dosage and Administration logy (12.3)]</i> .		Although celecoxib 100 mg twice daily and 200 mg twice daily provided similar overall effectiveness, some patients benefit from the 200 mg twice daily dose. Doses of 400 mg twice daily provided no additional benefit above that se 200 mg twice daily.
:	cardioprotective anti Concomitant use of c	platelet effect of as celecoxib and analg	pirin (100 mg to 32) pesic doses of aspirir	n is not generally recor		8.7	Renal Impairment	ndor (12.3).		Juvenile Rheumatoid Arthritis (NCT00652925) In a 12-week, randomized, double-blind active-controlled, parallel-group, multicenter, non-inferiority from 2 years to 17 years of age with pauciarticular, polyarticular course URA or systemic conset URA (with currently for the parallel of the fellowing trademostry eleventia and the parallel of the matter of 150 mm of 15
	the increased risk of Celecoxib is not a su		-			8.8	Poor Metabolizers of CYP2	C9 Substrates or suspected to be poor CYP2C9 metabolizers (i.e., CYP2C9*3/*3), based on genotype or previous		features), received one of the following treatments: celecoxib 3 mg/kg (to a maximum of 150 mg) twice daily; celec maximum of 300 mg) twice daily; or naproxen 7.5 mg/kg (to a maximum of 500 mg) twice daily. The response rate the IDA Definition of Lenguage data and the second to 2004 (IDA DOL 2004), with the accuracity of the accuracy of the accurac

V. No.: 01

Date

g with half the lowest oor metabolizers *[see*

omiting, and epigastric pertension, acute renal !, 5.6)]. atients did not result in high degree of plasma ific antidotes. Consider atients) and/or osmotic ne (5 to 10 times the

ful due to high protein , 200 mg and 400 mg

 $_{4}F_{3}N_{3}O_{2}S$, and it has the

in ethanol, soluble in magnesium stearate, contain iron oxide red. d 400 mg capsule shell ydroxide and titanium

ia inhibition of COX-2 erapy have produced in in in animal model de of action may be due

twice daily for up to 7 or increase in bleeding . It is not known if there ombotic adverse events

renal medullary thick ppears to inhibit water

less than proportional P2C9 with a half-life of

oth peak plasma levels ng twice daily; at osolute bioavailability The pharmacokinet

> CL/F, L/hr 27.7 (28)

about 1 to 2 hours g, there is less than a on in plasma celecoxib r, can be administered ove absorption. administered as intact after administration of

ndicate that celecoxib steady state (V /F) is red blood cells.

ng carboxylic acid and X-2 inhibitors

in the urine and feces 27% was excreted into the low amounts of the ocess making termin nditions. The apparent

the young subjects. In minantly due to lowe s of less than 50 kg in

ted in 152 JRA patients systemic onset JR ib increases less than learance, respectively, JRA patients weighing studied in JRA patients

in Blacks compared to

nnairment has show moderate (Child-Pugh . The use of celecoxib in Specific Populations

ficiency (GFR 35 to 60 een GFR and celecoxib is not recommended in

nce of free NSAID wa nteractions of NSAIDs

6 in subjects receiving [see Drug Interactions

na concentration. This Drug Interactions (7)],

n as those homozygous I of 8 subjects with the subjects compared to n subjects with othe 3/*3 genotype is 0.3%

10 mg/kg for females given oral doses up to C_{0 to 24} at 200 mg twice

, nor clastogenic in a

un to 600 mg/kg/day

oididvmal hvposperm dings while apparently eous condition. Simila he clinical significance

treatment of the signs ration. In patients with (Western Ontario and ree 12-week studies of duction of pain within celecoxib was shown fit above that seen with 100 mg twice daily o

acebo. Celecoxib was 24 weeks in duration of clinical, laboratory, tiveness and both were ients derived additional seen with 100 mg to

rity study, patients ently inactive systemi reatures), received one of the following treatments: celecoxib 3 mg/kg (to a maximum of 150 mg) twice daily; celecoxib 6 mg/kg (to a naximum of 300 mg) twice daily; or naproxen 7.5 mg/kg (to a maximum of 500 mg) twice daily. The response rates were based upon the JRA Definition of Improvement greater than or equal to 30% (JRA DOI 30) criterion, which is a composite of clinical, laboratory,



PRODUCT NAME	: Celecoxib capsules	COUNTRY : US	LOCATION : -		Supersedes A/W No.:				
ITEM / PACK	: Outsert	NO. OF COLORS: 1	REMARK :	REMARK :					
DESIGN STYLE	: Back Side								
CODE	: 8097249		Activities	Department	Name	Signature	[[
DIMENSIONS (MM)	: 640 x 510		Prepared By	Pkg.Dev					
ART WORK SIZE	: S/S	Black	Reviewed By	Pkg.Dev					
DATE	: 24-12-2024	Font Size 6 pt_Medi 10 pt	Approved By	Quality					

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it does not increase the chance of a heart se bleeding in the brain, stomach, and also cause ulcers in the stomach and							
I in lower doses without a prescription to your healthcare provider before using r more than 10 days.							
afe and effective use of NSAIDs							
ribed for purposes other than those listed in a NSAIDs for a condition for which it was not s to other people, even if they have the same harm them. ation about NSAIDs, talk with your healthcare nacist or healthcare provider for information about professionals.							
respective owner.							
rrent Pharma Inc. at 1-800-012-0561							

Revised: December 2024

This Medication Guide has been approved by the U.S. Food and Drug

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