## Naproxen Delayed-release Tablets USP, 500 mg Rx only

WARNING: RISK OF SERIOUS CARDIOVASCULAR AND GASTROINTESTINAL EVENTS

EVENTS

Nonstreaded anti-influmnatory drugs (PSAIII); cause on increased risk of serious cardinavascular Thrambudic Events

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### DESCRIPTION

Naproxen, USP is a propionic acid derivative related to the arylacetic acid group of nonstero inflammatory drugs.

The chemical name for naproxen, USP is (S)-6-methoxy-a-methyl-2-naphthaleneacetic acid. It has the following survival formula:

Naprown, USP has a molecular weight of 200, 26 and a molecular formula of  $C_{1,0}H_{1,0}O_{2}$ . Naprown, USP is an odoriese, white no fit-white crystalline substance. It is lipid-soluble, practically included in water and by \$1.7 to be containly an experiment of the containly are partial or coefficient of approxema [47.7 at 1.6 to 1.5]. As a 1.5 to 1.5 to

### CLINICAL PHARMACOLOGY

Mechanism of Action

Naproxen has analgesic, anti-inflammatory, and antipyretic properties. The sodium-salt of naproxen has been developed as a more rapidly absorbed formulation of naproxen for use as an analgesic.

been developed as a more rapidly shouthed formulations of approxem for use as an analystic. The mechanism of action of the represent, like that of ther NSRDIA, 10 cort couplestly suderstood but intolves inhibitions of cyclosopysmess (COX-1 and COX-2). Avgreeness a power influence of promatigations where the review Naparosen concentrations reached the action of twolylation in inducing pain in animal models. Provinglanding are mediators of influencement of the action of twolylation in inducing pain in animal models. Provinglanding were mediators of influencement of provinglanding in proprietar discusses of provinglanding in proprietar discusses.

Pharmacekinetics

Nagowesis rapidly and completely absorbed from the gastoninestical tract with as its vive bloom allating of 65%. The different change forms of largowese are bioopsisudent interess of extent absorption (ACC) and peak concentration (Comp.) however, the produces do differ in their patient of absorption (ACC) and peak concentration (Comp.) however, the produces do differ in their patient of absorption and peak concentration (Comp.) and the peak of their patients of a section and an appear to assert peak of the peak peak of the peak of the

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When Naproxen delayed-release tables and Naproxen tablets were given to fasted subjects (n=24) in crossover study following 1 week of dosing, differences in time to peak plasma levels (T<sub>max</sub>) were observed, but there were no differences in rotal absorption as measured by C<sub>max</sub> and AUC:

	Naproxen Delayed-release Tablets *	Naproxen Tablets *
	500 mg hid	510 mg bid
Cmov (pp/mL)	94.9 (18%)	97.4 (13%)
T <sub>max</sub> (hours)	4 (39%)	1.9 (61%)
AUCq-12 br (µp-ht/mL)	845 (20%)	767 (15%)

Annoid Effects

When Naproxen delayed-release tablets were given as a single dose with annoid (54 mfs) buffering capacity), the peak plasma levels of naproxen were unchanged, but the time to peak was reduced (mean  $T_{max}$  fasted 5.6 boars, mean  $T_{max}$  with annoid 5 boars), although not significantly (see PRECAUTRONS). Drugs Interactions).

## Food Effects

When Naproxendelayed-release tablets were given as a single dose with food, peak plasma levels in most subjects were achieved in about 12 hours (ranged 4 to 24 hours), Residence time in the small intensition and indistinguistion was independent of food intact. The preserves of food prolonged the time the tablets remained in the stammath, time to first described seven more consequence and the stammath, the first offerencible seven majoren levels, and time to maximal analysis and the stammath of the stammat

suprous levels ( $T_{max}$ ), but did not after speak approxam levels ( $C_{max}$ ). Estimated in Estimated and Section 1997, and the section of the section of

Naproxenis extensively metabolized in the liver to 6-0-desmethyl raproxen, and both parent and metabolites do not induce metabolizing enzymes. Both raproxen and 6-0-desmethyl raproxen are further metabolized to their respective scylglacuronides conjugated metabolites.

metabilized to their respective a-yigilizationated conjugated metabilizes. Exercision

The clearace of improvem in 0.13 mL intellig. Approximately 97% of the improvem from any does to exercise in later star, particle years experience (1%) or the conjugates of the intelligence of the i

posterns with result failure metabolites may accumulate (see WARNINGS; Renal Toxicity and Hypertalinius).

Special Proposition

Performer Parlier

In geodarie, pastern speed to 16 years with arthrist, placens represent newly failuring a 5 mg/g citagly, in pediatry pastern speed to 16 years with arthrist, placens represent newly failuring a 5 mg/g citagly. In geodarie, pastern speed to 16 years with arthrist years to make the similar to hote found in normal adult following a 50 mg/g citagly. In pediatric pastern the parlier of the pediatric pastern seed of the pediatric pastern seed of the pediatric pasterns and soft pasterns. Pasterns collected enables of improvement were not performed in pediatric administration of improvement segmentary contains in pediatric pasterns. Numerous delarged-release subhers have not been studied in subprict under the age of 18.

Studies indicate the although total placens commentioned in operators in cardinaged, the substantial pasterns are proposed on the pediatric pasterns. Numerous delarged-release subhers are proposed on the pediatric pasterns and the pediatric pasterns. See the second placens compared to the pediatric pasterns are proposed on trape from 0.27% to 0.27% to 0.00% of 0.

macokinetic differences due to race have not been studied.

Hayanic Impairment

Napowen pharmacolisates has not been determined in subjects with bepaste insufficiency.

Chronic alcholic liver disease and probably other diseases with decreased or abnormal plasma proxisis (albumati) reduce the total plasma concernation of suprovars, but the plasma concernations of suprovars and plasma proxisis (albumati) reduces the study plasma concernation of monotonic suprovars in students (albumatic albumatic substantial plasma concernations) and the study of the stud

Name ampairment colored is has not been destruited in subjects with renal insufficiency. Given that supercost, in metabolism and conguence are primarily excreed by the follow, he potential exists for decreased in patient with severe renal impatients. Ngouvos-constaining products are not recommended for use in patients with moderate to severe and severe renal impatiented (creating clearance <30 and maintain (see NARIONS, Kord Toxing on Hyperialeums).

# Drug Interaction Studies. Aspirit: When NSAIDs were administered with aspirin, the prostribinding of NSAIDs were reduced, adaptive, When NSAIDs were reduced, adaptive the Interaction of the NSAID was not altered. The clinical significance of this interaction is not known. See Table 1 for clinically significant drug interactions of NSAIDs with aspirin (see PRECALITIONS, port Interactions).

## CLINICAL STUDIES General Information

General Information

More than the property of the property of

the disease.

In a clinical trial comparing standard formulations of naproxen 375 mg twice a day (750 mg a day) vs 756 mg twice a day (1500 mg/day), 9 patients in the 750 mg group terminated prematurely because of adverse events. Nitratera patients in the 1300 mg group terminated prematurely because of adverse events. Most of these adverse events were gustrointestalled events.

Avoid to arrive adverse events were good uniform to make the part of the property of the prope

In patients, with arisylosing spondylitis, naproxen has been shown to decrease night pain, morning stiffness and pain at rest. In double-blind studies the drug was shown to be as effective as aspirin, but with fewer cited efferts.

want terms state effects.

In patients with a case gout, a favorable response to naproxen was shown by significant clearing of inflammatory changes (e.g., decrease in swelling, heat) within 24 to 48 hours, as well as by relief of pain and tenderness.

Naproven has been studied in nations with mild to moderate nain secondary to nostonerative

pain and trackress.

Mayorovan has been studied in pasients with mild to moderate pain secondary to postoperative, orthopede, postpartum episiosomy and uterine contraction pain and dysmemorhas. Conset of pain relief can begin within 1 bour in pasients salage quotove and within 30 minutes in pasieres salage gaptoven and soft mild ordinates in pasieres salage gaptoven sodium. Analgestic effect was shown by such measures as reduction of pain intensity scores, increase in numbers of patients requiring additional analgestic enfection, and other soft patients requiring additional analgestic medication, and delay in the contractive of the patients requiring additional analgestic medication, and delay to the patients requiring additional analgestic medication, and delay the patients requiring additional analgestic medication, and delay the patients requiring additional analgestic medication, and delay the patients required and the patients required to the patients of the patients of the patients and the patients and the patients are also analged to the patients and the patients are also analged to the patients and the patients are also analged to the patients and the patients are also analged to the patients and the patients are also analged to the patients and the patients are also analged to the patients and the patients are also analged to the patients and the patients are also analged to the patients and the patients are also analged to the patients and the patients are also analged to the patients and the patients are also analged to the patients and the patients are also analged to the patients and the patients are also analged to the patients are also analged to the patients and the patients are also analged to the patients analged to the patients are also analged to the patients and the patients are also analged to the patients and the patients are also analged to the patients are also analged to the patients and

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There 6-week, doubt-blind, andiformer studies with Naproxen delayed-release tables with Naproxen interded to the control of the contro

Five hundred and fifty-three patients received Naproxen delayed-release tablets during long-term open label trials (mean length of treatment was 159 days). The rates for clinically-diagnosed peptic ulcers and GI bleeds were similar to what has been historically reported for long-term NSAID use.

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The bepart and result alterability of long-term supproxemations and the result of the of obtained and its office of the Billionist service and the supproxemation of the Billionist service age 5% and obtain. Numerous was administrated at douss of 37% ing twice daily or of the Billionist service and the supproxemation of the Billionist service and the supproxemation of the su

## INDICATIONS AND USAGE

Naproxen delayed-release tablets are not recommended for initial treatment of acute pain because the absorption of naproxen is delayed compared to absorption from other naproxen-containing products (see CLINICAL PHARMACOLOGY, DOSAGE AND ADMINISTRATION).

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MARNINGS
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Clarical ratio of a waveal COX-2 selective and nonselective NSAIDs of up to free years duration have shown in termeter first for feer to cardiovascular (CV) florothodic revents, including impractual and the control of the control of

To ministrate the potential risk for an adverse CV even in NSAID-needed quaters, use the lowest effective done for the shorest duration possible. Physicians and patients should remain alert for the development of such evens, thoughout the entire rearment course, even in the absence of previous CV symptoms. Patients should be informed about the symptoms of serious CV evens and the steps to take if they occur.

development of such sevens, ferroughout the entire senomes counts, even tim describe of protons. Civilian of the country of th

## Strategies to Minimize the GI Risks in NSAID-treated patients: The the lowest effective desage for the shortest possible duration.

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requirements.

Elevations of ALT or AST there or more sizes the upper limit of normal (ULN)) have been reported in approximally 1% of pattern in clarical strials, in addition, rare, consentents fails, cases of severe hepatic injury, including failstrane hepatists, liver exercis and haptact failsten here here nerrogened. Elevations of ALT or AST fiess than three times ULN) may occur in up to 15% of pattern staking NSABS in chicking imposers.

NoALUS including augresses. Indirect parties of the protect parties of the protect parties of the protect parties, parties, paradice right upper quadrate trendrerus; and 'flu-illies' yruppoma, If clinical signs and sympoms consistent with liver disease develops, or if systems manifestations occur, and sympoms consistent with liver disease develops, or if systems manifestations occur, occur, and sympoms consistent in the liver disease tables immediately, and perform a clinical evaluation of the pattern.

The pretrain of the pretrain o

sure (BP) during the initiation of NSAID treatment and throughout the course of

Heart Falure and Edema
The Coxids and readinous NSAID Trialists' Collaboration mets-analysis of randomized controlled trials demonstrated an approximately two-fold increase in hospitalization for heart falure in COX-2 selective-neared patients and monelective NSAID-meand patients compared to place-bot-neared patients in a Dataich National Registry undy of patients with heart failure, NSAID use increased the risk of MI, hospitalization for heart failure, and selection of the control of the patients with heart failure, NSAID use increased the risk of MI, hospitalization for heart failure, and debut failure and selection of the control of the con

hospitalization for heart failure, and dashed.

Additionally, filling regions and often just been phonyword in some parties must well restricted by a distinct of the properties of the properti

## Renal Toxicity and Hyperkalemia

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Act. imminoris or Artis, and the electry. Discommando of twoAult merapy is usually followed by recovery in the preventment state. No information is available from controlled clinical studies regarding the use of naprosee delayed-release tablest in quarters with advanced renal disease. The renal effects of improven delayed-release tablest may hasten the progression of renal dysfunction in patients with preexisting renal disease.

Correct volume state indebydand or layouterfoot in patients with preciviting result disease. Correct volume states in debydand or layouterfoot patient prior in statisting approximately delyader release tables. Mostion result rancion in patients with result of hepotic impairment, bear tables. Professional delyader release tables in patient states and the patient states of the patient patients with any control result of the patients of the patients with any control result disease tables in patient states and the control patients of the patient states and the patients of the patient states and the patient states and the patients of the patients

# Hyperkalemia

Increases in serum potassium concentration, including hyperkalemia, have been reported with use of NSAIDs, even in some patients without renal impairment. In patients with normal renal function, these effects have been arribated to a hyporeniemic-hypoladosteronism state. Anaphylactic Reactions

Naproxen has been associated with anaphylactic reactions in patients with and without known hypersentistivity to approxen and in patients with aspirin-sensitive astimu (see CONTRAINDICATIONS, WARNINGS, Exacerbation of Astimu Related to Aspirin Sensitivity).

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patients with previous serious san reactions in Sexuals per Controllation-Francis).

Permanture Clauser of Fetal Ducture Arteriosus.

Naproxen may cause premature closure of the fetal ductus arteriosus. Avoid use of NSAIDs, including naproxen delayed-release tablets, in pregnant women starting at 30 weeks of gestation (third witnester) (see PEECAUTIONS; Prognamy).

Hemanlogic Taxicity
America has occurred in SNAD-recards patients. This may be due to occult or gross blood loss, fluid
display-disease shell be also as signs or symptom of aeroita, montar hemaplothin or hemanicit.
NNADs, schalling improves display-strikes abilists, may increase the risks of hierding overs. Comitted contains such as congulated aeroitors, or occurrents need wherein and other
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## PRECAUTIONS General

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have homogletic values determined periodically.

Because of adverse or printings in animal subset with drugs of this class, it is recommended that ophthalise under be carried out if any change or disturbance in vision occurs.

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Engineering 1975.

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Anapolyatic Reactions
Inform patients of the signs of an anaphylatic creaction (e.g., difficulty breathing, swelling of the face or throat]. Instruct patients to seek immediate emergency help if these occur face CONTRAINDICATION, WARRINGS, Anaphylatic Reactions).

Serious Skin Reactions

Advise patients to stop naproxen delayed-release tablets immediately if they develop any type of rash and to contact their healthcare provider as soon as possible (see WARNINGS; Serious Skin Reactions).

atti ut Cinakt tient intestate province a soonia prosince per wincirects; Serionis Saut netetionis; Femile Fertillit
Advise femiles of reproductive potential who desire pregnancy that NSAIDs, including VOLTAREN, may be a sociated with a reversible delay in ovalation (see PRECAUTEONS; Carcinogenesis, Municipensis, Importment of Fertility).

### Fetal Toxicity

Boal Truckes

More programs contents award are of supressed oligaped-orlean etablists and other NSAIDs carriing at 20 works gestation because of the trials of the premature closing of the found doesn arrestrosso (see WARNINGS, Promotine Chauser of Feed Dacks Americans).

Amod Concentrate Use of NSAIDs.

Amod Concentrate Use of NSAIDs of States of the States of the secretary of the States of St

Activities Requiring Alertness

Authorists Requiring Authorises

Caution should be exercised by patients whose activities require alertness if they experience drowsiness, dizzleness, vertigo or depression during therapy with naproxen.

Masking of Inflammation and Fever

Masking of fullammation and Fevr.

The pharmicological active of supposes delayed release tables in reducing inflammation, and possibly fever, may district the unity of diagnostic signs in desecting infections.

The contract of the contra

Drug Interactions
See Table 1 for clinically significant drug interactions with naproxen.

## Table 1: Clinically Significant Drug Interactions with

	Table 1: Clinically Significant Drug Interactions with naproxen
Drugs That Interfere with Hemostasis	
Clinical Impact:	Sixticinettiisi  Augustus and anticogalities to the surfact horse a type region of the conception as and interpolated in the control of the c
Intervention:	SEndUnOrderedlist
	UlCrebrerellis Motior patiens with concomitant use of augrouse delayed-release tables with anticogulants (e.g., warfaris), aniphaslet agents (e.g., sapfaris), selective seroonto respathe inhibitors (SSRS), and seroonto neceptosphrine respathe inhibitors (SSRS)) for signs of Needing (see WARNINGS, Hemanologic Toxicity) \$EndistinCelerellist
Aspirin	
Clinical Impact:	Lomeline Circles a studies showed that the concentuat use of NSAIDs and analystic doses of apptitudess not produce any generat therapeutic effect fram the use of NSAIDs alone, ha clinical study, the concentuata use of an NSAID and appirts was associated with a significantly increased insidence of Ci adverse reactions as compared to use of the NSAID alone (see WARNING associated with a significantly increased insidence of Ci adverse reactions as compared to use of the NSAID alone (see WARNING associated with a significantly increased insidence of Ci adverse reactions as compared to use of the NSAID alone (see WARNING associated with a significantly increased insidence of Ci adverse reactions as compared to use of the NSAID alone (see WARNING associated with a significantly increased insidence of Ci adverse reactions as compared to use of the NSAID alone (see WARNING associated with a significantly increased insidence of Ci adverse reactions as compared to use of the NSAID alone (see WARNING associated with a significantly increased insidence of Ci adverse reactions as compared to use of the NSAID alone (see WARNING associated with a significantly increased insidence of Ci adverse reactions as compared to use of the NSAID alone (see WARNING associated with a significantly increased insidence of Ci adverse reactions as compared to use of the NSAID alone (see WARNING associated with a significantly increased insidence of Ci adverse reactions as compared to use of the NSAID alone (see WARNING associated with a significant variety of the NSAID alone (see WARNING associated with a significant variety of the NSAID alone (see WARNING associated with a significant variety of the NSAID alone (see WARNING associated with a significant variety of the NSAID alone (see WARNING associated with a significant variety of the NSAID alone (see WARNING associated with a significant variety of the NSAID alone (see WARNING associated with a significant variety of the NSAID alone (see WARNING associated with a significant variety of th
Intervention:	conconstant use of naproxen delayed-release tablets and analgesic dosses of aspirits is not generally recommended because of the increased risk of bleeding (see WARNINGS; Hermanologic Toxicity), Naproxendelayed-release tablets are not a substitute for low dose aspirit not cardiovascular protection.
ACE Inhibitors, Angiotens in Receptor Blockers, and Beta-Blocker	
Clinical Impact:	BLGChredicilis  ASSES and ministrate the anti-preturative effect of angionesis concerting enzyme (ACE) shibitors, augiourssis receptor blockers (ARBs), or beto-blockers (including programolo). In patients who are debrity, volume-deplored (including those on disertic descript), or how read impairment, or a better blockers (arbitrate) and ACE inhibitors or ARBs may result in description of rend function, including possible acute rend failure. These effects are usually reversible.  Backlift-fidered including about the acute of the acut
Intervention:	Electrical During concentrate use of requesters delayed-releases tables and ACE-dabbleurs, ARBs, or bee-blockers, moster blood pressure are used in the desired blood pressure is of featured. During concentrate use of requesters delayed-release tables and ACE-dabbleurs or ARBs in patients who are elderly, volume fellered, who suited pressure real featured or featured pressure and periodically delayed access are an area of featured pressure and periodically delayed access area and featured and featured on the beginning of the concentrate researce and periodically delayed access areas areas and periodically delayed access areas and periodically delayed access areas areas areas and periodically delayed access areas and periodically delayed access areas and access and access are already as a delayed access are already as a delayed access and access areas are already as a delayed access and access areas are already as a delayed access are already as a delayed access are already as a delayed access areas areas and access are already as a delayed access are already as a delayed access are already as a delay and access are already as a delayed access are already as a delay access and access are already as a delay and a delayed access are already as a delayed access are already as a delayed access and access are already as a delayed access are already as a delayed access and access are already as a delayed access and acc
Diuretics Clinical Impact:	Elinical studies, as well as nost-marketing observations, showed that NSAIDs reduced the natriuresic effect of loon distreties (e.g., furosemide) and thiszide distreties in some nations. This effect has been attributed to the NSAID inhibition of renal prossagalardin synthesis.
саны трых.	
Intervention	During concentant on of supercost delegods release shiften with distretion, observe patients for signs of westering resul function, in addition to assuring distretic efficacy including antilypertunitive effects (new WARNINGS, Bread Texicity and Hyperkalenta).
Digoxin	
Clinical Impact:	The concomitant use of naproxien with digoxin has been reported to increase the serum concentration and prolong the half-life of digoxin.
Intervention:	During conx omitant use of naproxen delayed-release ablets and digoxin, monitor serum digoxin levels.
Lithium	
Clinical Impact:	NSAIDs have produced elevations in plasms lithium levels and reductions in renal lithium clearance. The mean minimum lithium concentration increased 15%, and the renal clearance decreased by approximately 20%. This effect has been auributed to NSAID inhibition of renal prostaglandin symbesis.
intervention:	Paring concentrate use of approxem delayed-enlose sublem and lithium, monitor parients for signs of lithium monitory.
Methotrexate	
Clinical Impact:	Conconitant use of NSAIDs and mehorevate may increase the risk for methorevate toxicity (e.g., neutropenta, thrombocytopenta, renal dysfunction).
Intervention:	During conconituat use of naproxens de-layed-release tablets and methorevase, monitor patients for methorevase toxicity.
Cyclos porine	
Clinical Impact:	Concomitant use of improvem delayed-release tablets and cyclosporious may increase cyclosporious's nephronoxicity.
Intervention:	During concomitant use of naproxen-delayed-release tablets and cyclosportine, monitor patients for signs of worsening renal function.
NSAIDs and Salicylates	
Clinical Impact:	Concomitant use of naprovem with other NSAIDs or salicylates (e.g., diffusical, sakslates) increases the risk of GI toxicity, with little or no increase in efficacy (see WARNINGS, Gastroinesstinal Bleeding, Ulceration and Perforation).
Intervention:	the conconstant use of naproxen with other NSAIDs or salicylases is not recommended.
Pemetrexed	
Clinical Impact:	Concomitant use of naproxem delayed-release tablets and pemetrexed may increase the risk of pemetrexed-associated myelosuppression, renal, and GI toxicity (see the pemetrexed prescribing information).
Intervention:	During concentration on disposed-relations adults and presentenced, in partices with result impairment whose creations clearance ranges from 45 to 79 adults, may be related from presented from prelosuppersonable relatives (per adult of 1 months).  **SERSDs with other relationshibal lives (see, p. coldinous), adolescent present of the only be desired from prelosupersonable relationshibal presented of the relationshibal relationship of the rela
	in the absence of data regarding potential interaction between permetre and NSAIDs with longer half-lives (e.g., meloxicam, nabumenone), patients taking these NSAIDs should interrupt dosting for at least five days before, the day of, and two days following permetrexed administration.
Antacids and Sucralfate Clinical Impact:	Concomitant administration of some attack (magnesium oxide or aluminum hydroxide) and sucralifar can delay the absorption of naproxen.
Intervention:	Concomitant administration of antacides such as magnesium outde or aluminum hydroxide, and sucralifate with naproxen delayed-release tablets are not recommended.
	Due to the gastric pH elevating effects of H2-blockers, sucralfase and intensive attack therapy, concentrate administration of suprosum delayed-release abless are not recommended.
Cholestyramine	Providence deletional of Advanced to a blank develop from the
Clinical Impact: Intervention:	Concentiar administration of cholestyrania re can delay the absorption of agreemen.  Concentiar administration of cholestyrania re can delay the absorption of agreemen.  Concentiar administration of cholestyrania re vith approximate delay-delayes adults are not recommended.
Probenecid	The state of the s
Clinical Impact:	Probenical given concurrently increases suproven asion plasma belle said extends in plasma balf-life significantly.
Intervention:	Indicents simultaneously receiving suproxen delayed-release tablets and probenecid should be observed for adjustment of dose if required.
Other albumin-bound drugs	
Clinical Impact:	Approxes is highly bound to plasma albustin; it thus has a theoretical potential for interaction with other albustine bound drugs such as communito-type anticoagulants, sulphonylureas, hydrattoine, other NSAIDs, and appirix
Intervention:	nations standardously receiving augrount delayed-release tablets and a hydratoria, sulphonamide or sulphonylurea should be observed for adjustment of dose if required.
-	

## Drug/Laboratory Test Interaction

Bleeding times	
Clinical Impact:	Naproxen may decrease platelet aggregation and prolong bleeding time.
Intervention:	This effect should be kept in mind when bleeding times are determined.
Porter-Silber test	
	The administration of naproxen may result in increased urinary values for 17ketogenic steroids because of an interaction between the drug audior its metabolites with m-distrobenzene used in this assay.
	Although 17-bydroxy-corticosteroid measurements (Porter- Sibler use) do not appear to be artifactually altered, it is suggested that therapy with naproxen be temporarily discontinued 72 hours before adrenal function tests are performed if the Porter- Sibler use its to be used.
Urinary assays of 5-hydroxy indoleacetic acid (5HIAA)	
Clinical Impact:	Naproxen may interfere with some urinary assays of 5-hydroxy indoleacetic acid (5HIAA).
Intervention:	This effect should be kept in mind when urinary 5-hydroxy indoleacetic acid is determined.

Carcinogenesis, Musiquensis, Augustement of Fertility
CECTIONIZETION
A 2-year rundy was performed in one in evaluate the carcinogene potential of approves a run doese of
the fixed 2-st age (also (30, 42, 43, 44) to fix times the maximum recommended human failey done
for the fixed 2-st age (also (40, 42, 44) to fixed the maximum recommended human failey done
for the fixed 2-st age (40, 44) to fixe

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Ved of NSAIDs, to clearly approach delayed vibras tables, during the shird time or of pregnary, increases the first of premature clears of the first during servicious. Avoid use of NSAIDs, including servicious delayed progress to delayed, progress to delayed, anguest sevenes sating also 20 weeks of gentular disclined relationscent for NSAIDs.

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women. Due from dospervational studies regarding posential enhysyleted risks of NSAID use in source in the first or evolute triments of pregunts or increasing the high period LL popular to the present LL popular to the present

# Data Human Data

There is some evidence to suggest that when inhibitors of promained in orders is one use to a big-Date is some evidence to suggest that the order of the order o

pregames, quarticularly scarring at 30 weeks of genution, or nich of trinsensly should be avoided.

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release tables or from the underlying natural condition.

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Finada: and Make of Reproductive Foundal.

Based on the mechanism of action, the use of prosting administration of the state of the translation of action, the use of prosting administration of the state of the translation of the state of the

Consider withdrawal of NSAIDs, including naproxen delayed-release tabless, in women who have difficulties conceiving or who are undergoing investigation of infertility.

Pediatric Use

Safety and effectiveness in pediatric patients below the age of 2 years have not been established. Pediatric dosing recommendation for juvenile arthrist are based on well-controlled under (see DOSAGE, AND ARMINISTRATION). These are no adequate effectiveness or dose-response dual for other podatric conditions, both the operitors to juvenile arthrist and other one reprinters have required to the control of the

## Geriatric Use

Electry patients, conqueed to squaget prices, or or generately for NSAID-societies retions. Electry patients, conqueed to squaget prices, or or generately for NSAID-societies retions that the patient conveying these potential risks, tear dosing at the low end of the design range, and monitor patients for adverse effects (see NAIDNINGS, Cardinosincial Proteins Electronic Resident Bleeding, Ulevrators, and Perforation, Hepatotocicly, Renal Toxicity and Hyperhalemia, PRECAUTIONS; Laboratory Monitories, and Perforation, Hepatotocicly, Renal Toxicity and Hyperhalemia, PRECAUTIONS; Laboratory Monitories, and Perforation, Hepatotocicly, Renal Toxicity and Hyperhalemia, PRECAUTIONS; Laboratory Monitories, and Perforation, Hepatotocicly, Renal Toxicity and Hyperhalemia, PRECAUTIONS; Laboratory Monitories, and Perforation, Hepatotocicly, Renal Toxicity and Hyperhalemia, PRECAUTIONS; Laboratory Monitories, and Perforation, Hepatotocicly, Renal Toxicity and Hyperhalemia, PRECAUTIONS; Laboratory Monitories, and Perforation, Hepatotocicly, Renal Toxicity and Hyperhalemia, PRECAUTIONS; Laboratory Monitories, and Perforation, Hepatotocicly, Renal Toxicity and Hyperhalemia, PRECAUTIONS; Laboratory Monitories, and Perforation, Hepatotocicly, Renal Toxicity and Hyperhalemia, PRECAUTIONS; Laboratory Monitories, and Perforation, Hepatotocicly, Renal Toxicity and Hyperhalemia, PRECAUTIONS; Laboratory Monitories, and Perforation, Hepatotocicly, Renal Toxicity and Hyperhalemia, PRECAUTIONS; Laboratory Monitories, and Properties, Properti

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### ADVERSE REACTIONS

ANVESISE REACTIONS
The following advisors reactions are discussed in greater detail in other sections of the labelings:

- Cardiovascular Thrombotic Events (see NARINICGS)
- Cardiovascular Thrombotic Events (see NARINICGS)
- Coll Belleving, Universion and Perforation (see NARINICGS)
- Hypermanion (see NARINICGS)
- Hypermanion (see NARINICGS)
- Renal Toxicity and Hyperkalenian (see NARINICGS)
- Renal Toxicity and Hyperkalenian (see NARINICGS)
- Anaphylactic Resource (see NARINICGS)
- Hermanion (see NARINICGS)
- Hermanion (see NARINICGS)

Adverse reactions reported in cosmolled clinical trials in 960 patients record for the unstand arbitrits or new surfation, are listed below. In general, reactions in patients transed choost cally were reported to montant patient for the patients of the patients of the patients of the patients of the control of montants patient for the patients of patients are patients of the patients are patients as the patients of the pat

CLINICAL PHARMACOLÓCY.

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reactions were amount to same, and the incidence of other reactions were lower in predictic patients that in adults. In patients allowed in the patients in clinical width, the most frequently reported aboves experiences in Empirical Collection of the patients and pa

Gas troines faul (E). Experiences, including: flaulence, gross bleeding/perforation, GI ulcers (Gastroines faul (E)). Experiences, including: flaulence, gross bleeding/perforation, GI ulcers (Gastroines faulence). We retain a function, aremia, elevated liver experiences. (gasticiduderial), vontilig

Generak honrum i rend fraction, ammit, elevarde liver enzymes, increased bleveling tier, renderial.

The following are adioinal adverse experiences reported in "Life of patients taking improven during clinical takis and through postumetating reports. Those adverse reactions observed through communicating reports are indicated.

Bady as a While: insophiciand reactions, augioneurodic edemo, menurual disorders, pyrexis (chilli and fever)

Joury

Cardiovascular: congotive bear failte, vacualiti, hyperension, pulmonary cleans
Cardiovascular: congotive bear failte, vacualiti, hyperension, pulmonary cleans
Carvinians intak hylimination, bleeding touristics failing particularly in the delety), milestific, homeometic, pulmonary cleans
Carvinians (and hylimination), continued to the control of hydrogen pairs ratios, vanisting, collist, exacerbation of inflammancy bowel disease (adversive collist, Croher, and Carvinians).

mentanes, vacating, comes, exactration of inflammatory board disease (ultrariate collis, Colm's disease).

Hepatolikary justifice, distorated here function seas, hepatitis (ome cases how boen fout)

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Reproduction (tennals servine)

In paires using SNADD, the following adverse experiences have also been reported in 47% to patricus.

Body as a Vlade: fever, infection, sepsis, anaphylactic reactions, appetite changes, death

Cardinavacular-layerimation, telepartials, suscept, analytimat, hypomesises may end in face Cardinavacular-layerimation, active patricus of the control of the Cardinavacular-layerimation. The control of the Cardinavacular-layerimation (Inspection)

Hermanducty-layerimation, telepartials, susceptible patricus and variational verified through the control of the con

OVERDOSAGE
Sympos following actor NSAID overdosages have been spically listine to behavy, drowsitess, masses, voriting, and episeatic pain, which have been generally reversible with supportive care, for a fine pain of the proposals, and for a fine pain of the proposals, and for a fine pain of the proposals, and for the pain of t

Perfection. Prevention and the design of the perfection of the perfect of the perfec

Carefully consider the potential benefits and risks of suprosen delayed-release tablets and other treatment options before deciding to use suprosen delayed-release tablets. Use the lowest effect done for the shortest duration consistent with individual patient treatment goals (see WARNINGS; Gonzolinstantial Releasing), Ulceration, and Perforation.

# After observing the response to initial therapy with suproven delayed-release tablets, the dose and frequency should be adjusted to suit an initial oddinal patients needs. Different dose strengths and formulations (i.e., tablets, a superso to) of the drug are not necessarily bisequivalent. This difference is hould be taken into consideration when changing formulation.

Homalidam. Although purcova tables, approxes suspension, approxes delayed-released tables, and approxes soften attless all circulates in the plasma an approxes, they have plasmacolismic differences from the plasmacolismic differences and the dark plasmacolismic differences and the dark plasmacolismic differences and the dark plasmacolismic differences and the plasmacolismic differences a

polition (see womenGeriative Patients

Studies indicate that although total plasms concentration of suprocess is surchanged, the subsourd plasms

Studies indicate that although total plasms concentration of suprocess is surchanged, the subsourd plasms

fraction of suprocess increased in the elderly. Caution is advited when high disease are required and

its prediction of the content of the c

Naproxen Delayed-release Tablets	375 mg or 500 mg	twice daily twice daily

To maintain the integrity of the enteric coating, the naproxem delayed-release tabless should not be broken, crushed, or chewed during ingestion. During long-sem antisteration, the slows of naproxem may be adjusted up or down depending on the forming long-sem adjusteration, the slows of naproxem may be adjusted up or down depending on the matrix of the slow of the

frequently attached that his cot excessary. In patients who observes hower does well, they do does may be increased to approach 1500 mg/day for limited periods of up to 8 months when a higher level of ant-inflammony-analystic excitory is required. When recassing such patients with approach 1500 mg/day, the physician should observe sufficient increased clinical benefits to offer the potential accreased risk. The menting and eventing sufficient increased clinical benefits to offer the potential accreased risk. The menting and eventing sufficient increased clinical benefits to offer the potential off the ring methods and eventing sufficient increased in the proposed (see CLINICAL PRABMACCLLOSY). Jovenik Arthridis

Averalle Arthritis

The recommended total daily dose of magroxamis approximately 10 mp/g given in 2 divided doses (i.e., 5 mg/g given in 2 divided doses (i.e., 5 mg/g given in 2 divided doses (i.e., 5 mg/g given in 2 divided doses) (i.e., 5 mg/g given in 2 divided doses) (i.e., 5 mg/g given in 2 divided doses) (i.e., 5 mg/g given in 2 divided dose) (i.e., 5 mg/g given in 2 divided doses) (i.e., 5 mg/g g

Naproxen delayed-release tablets are not recommended because of the delay in absorption (see CLINICAL PHARMACOLOGY).

Naproxen Delayed-release Tablets, USP: 500 mg: White Emeric coated, Capsule-shaped, biconvex tablets de-bossed with '111' on one side.

uners de-bossed with TI To one side.

Some a 20° to 20° to

# MEDGUIDE Medication Gade for Nonstrevidd Ands Inflammatory Drugs (NNAIDs) What is the most important information I should know about medicines called Non-Strevidd Ands Inflammatory Drugs (NSAIDs) NSAIDs can cause even used effects, including: Increased risk of a heart attack or stroke that can load to death. This risk may happen

o with increasing doses of NSAIDs o with longer use of NSAIDs

# The natural SNMD, right below or other a heart unerpry, right of "commay arter bypose port (CARC). A briefle lange SNMD, after cross that specified under some backbaser products of the specified port to the specified por

- The risk of griting an alece or obsecting increases with:

  opan listory of summch divers, or stomach or introducible bleeding with use of NSAIDs

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  increasing doors of NSAIDs

  longer use of NSAIDs

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NSAIDs should only be used:

• exactly as prescribed

• at the lowest dose possible for your treatment

• for the shortest time needed

What are NSAIDs?

NSAIDs are used to rea pain and reduces, eveiling, and he as furfarmantion from medical conditions such as different purpose of arbitrist, measural cramps, and other types of short-sterm pain.

Who should not take NSAIDs?

One set take NSAIDs?

of you have had an arbitral astick, hives, or other allergic reaction with aspirin or any other NSAIDs.

"righthetion" on the bart byplast suggest, and

- Before taking NSAIDs, tell your healthcare provider about all of your medical conditions, including ligh you:

  A hear lower or likelay problems

  I have been or likelay problems

  I have seen to be been prepared.

  I have seen to be been prepared.

  I have seen to be been prepared.

  I have seen to be a prepared to price to be to prepared to the problems of prepared.

  I have seen to be to prepared to price to be to prepared to the problems of prepared.

  I have seen to prepared to price to be to prepared to the NSAIDs after 29 weeks of pregnancy.

are breastheding or plan to breasthed.
 Tell your bashine provider about at 6 of the medicines you take, including prescription or everthee counter medicines, vitamins are berhalt supplements. NSAID: and some other medicines can be received to the counter of the cou

## Get emergency help right away if you have any of the following symptoms: • shortness of breath or trouble breathing

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

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, askyour healthcare provider or pharmacist about NSAIDs. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1-088.

- Other information about NSAIDs

  Application and NSAID medicine but it does not increase the chance of a heart attack. Aspirin can cause bleeding in the brain, storach, and intestines. Aspirin can also cause ulcers in the storach and intestines.
- intestines.

  Some NSAIDs are sold in lower doses without a prescription (over-the-counter). Talk to your healthcare provider before using over-the-counter NSAIDs for more than 10 days.

General information about the sale and effective use of NSAIDs for more than 10 days.

General information about the sale and effective use of NSAIDs for more than 10 days.

Medictive are sometimes prescribed for prescribes of both particles losed in a Medication Guide. Do not use NSAIDs the a condition for which it was not prescribed to long size NSAIDs to other people.

If you would like more information about NSAIDs, talk will say not people and the provider. You can ask your plasmostics to bashfure provider for information about NSAIDs that is written for health proproductions.

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

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Product Informate Product Type Reute of Administra Active Ingredien	HLMAN PRESCRIP	TION DRUG   Bem Code (S	ource) NDC 532		
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