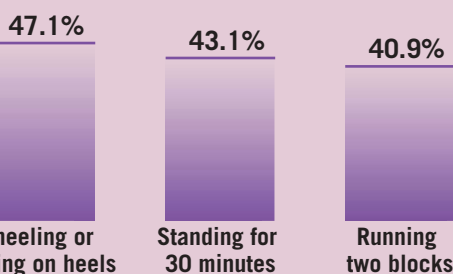


Biggest Function Problems In Adolescents With JIA



Note: Based on a survey of 308 adolescents, aged 11, 14, and 17 years.
Source: Arthritis & Rheumatism 2006;55:199-207

In JIA, Quality of Life Can Hinge On Ability to Pop a Soda's Top

BY JOHN R. BELL
Associate Editor

In juvenile idiopathic arthritis, health-related quality of life is "less than optimal"—especially in terms of gross motor and systemic functioning, both of which are related to pain, dis-

ease activity, and functional disability, reported K.L. Shaw, Ph.D., and colleagues.

Improving JIA patients' quality of life is thus "inextricably linked with managing these key aspects of care," Dr. Shaw, of the University of Birmingham (England), and colleagues reported.

Adolescents with juvenile idiopathic arthritis, aged 11, 14, and 17 years, were recruited from 10 rheumatology centers in the United Kingdom to assess health-related quality of life using the Juvenile Arthritis Quality of Life Questionnaire (JAQQ), the investigators reported. They received complete responses from 308 participants (Arthritis Rheum. 2006;55:199-207).

The JAQQ was composed of 74 statements. Patients responded to the questionnaire statements by using a seven-point scale, with one representing "none of the time/never" and seven representing "all of the time/always." (A "does not apply to me" option was also available for each question.)

Improving patients' quality of life is 'inextricably linked with managing' gross motor and systemic functioning, which are 'key aspects of care.'

The questions covered four categories: gross motor function, fine motor function, psychosocial function, and systemic symptoms. The respondents were also asked to list their five biggest problems in each of the four categories.

Results were similar across all age groups. The large-motor-skills category received a mean JAQQ score of 3.0 among all three age groups.

Activities reported as most problematic were "kneeling or sitting on heels for several minutes," "standing for half an hour," and "running two blocks," the investigators reported.

Fine motor function received the lowest score from patients (median score 1.6). The most difficult reported tasks were "twisting off a bottle/jar top (previously opened)" and "opening a soft drink can."

Psychosocial complaints were also of concern to the investigators, who suggested, to reduce frustration, cognitive techniques be used to teach patients to have realistic expectations and emotional responses.

Psychosocial function had a median score of 2.6. The most common problems reported were "felt frustrated," identified by nearly one-third of participants, and "felt depressed" reported by nearly one-fourth of the patients. Systemic problems included "stiffness," "joint tenderness," and "tires easily."

Dr. Shaw and colleagues noted that their study was the largest to date in the United Kingdom and the only study to focus on JIA in adolescents.

They, however, cautioned that their study used only one questionnaire (the JAQQ), which was not calibrated, and that their study patient cohort was largely white and predominantly female, perhaps limiting its applicability to other patient groups.

ARTHRTEC® (diclofenac sodium/misoprostol) tablets

Before prescribing, please consult complete prescribing information.

CONTRAINDICATIONS AND WARNINGS
ARTHRTEC® CONTAINS DICLOFENAC SODIUM AND MISOPROSTOL. ADMINISTRATION OF MISOPROSTOL TO WOMEN WHO ARE PREGNANT CAN CAUSE ABORTION, PREMATURE BIRTH, OR BIRTH DEFECTS. UTERINE RYPTURE HAS BEEN REPORTED WHEN MISOPROSTOL WAS ADMINISTERED IN PREGNANT WOMEN TO INDUCE LABOR OR TO INDUCE ABORTION BEYOND THE EIGHTH WEEK OF PREGNANCY (See also PRECAUTIONS). ARTHRTEC SHOULD NOT BE TAKEN BY PREGNANT WOMEN (See CONTRAINDICATIONS, WARNINGS AND PRECAUTIONS). PATIENTS MUST BE ADVISED OF THE ABORTIFACIENT PROPERTY AND WARNED NOT TO GIVE THE DRUG TO OTHERS.

ARTHRTEC should not be used in women of childbearing potential unless the patient requires nonsteroidal anti-inflammatory drug (NSAID) therapy and is at high risk of developing gastric or duodenal ulceration or for developing complications from gastric or duodenal ulcers associated with the use of the NSAID. (See WARNINGS). In such patients, ARTHRTEC may be prescribed if the patient:

- has had a negative serum pregnancy test within 2 weeks prior to beginning therapy.
- is capable of complying with effective contraceptive measures.
- has received both oral and written warnings of the hazards of misoprostol, the risk of possible contraception failure, and the danger to other women of childbearing potential should the drug be taken by mistake.
- will begin ARTHRTEC only on the second or third day of the next normal menstrual period.

Cardiovascular Risk
• NSAIDs may cause an increased risk of serious cardiovascular thrombotic events, myocardial infarction, and stroke, which can be fatal. This risk may increase with duration of use. Patients with cardiovascular disease or risk factors for cardiovascular disease may be at greater risk (see WARNINGS).
• ARTHRTEC is contraindicated for treatment of peri-operative pain in the setting of coronary artery bypass graft (CABG) surgery (see WARNINGS).

Gastrointestinal Risk NSAIDs cause an increased risk of serious gastrointestinal adverse events including bleeding, ulceration, and perforation of the stomach or intestines, which can be fatal. These events can occur at any time during use and without warning symptoms. Elderly patients are at greater risk for serious gastrointestinal events (see WARNINGS).

INDICATIONS AND USAGE Carefully consider the potential benefits and risks of ARTHRTEC and other treatment options before deciding to use ARTHRTEC. Use the lowest effective dose for the shortest duration consistent with individual patient treatment goals (see WARNINGS). ARTHRTEC is indicated for treatment of the signs and symptoms of osteoarthritis or rheumatoid arthritis in patients at high risk of developing NSAID-induced gastric and duodenal ulcers and their complications. See WARNINGS—Gastrointestinal effects for a list of factors that may increase the risk of NSAID-induced gastric and duodenal ulcers and their complications.

CONTRAINDICATIONS AND WARNINGS related to misoprostol. ARTHRTEC should not be taken by pregnant women. ARTHRTEC is contraindicated in patients with hypersensitivity to diclofenac or to misoprostol or other prostaglandins. ARTHRTEC should not be given to patients who have experienced asthma, urticaria, or other allergic-type reactions after taking aspirin or other NSAIDs. Severe, rarely fatal, anaphylactoid-like reactions to diclofenac sodium have been reported in such patients (see WARNINGS—Anaphylactoid Reactions, and PRECAUTIONS—Preexisting Asthma). ARTHRTEC is contraindicated for the treatment of peri-operative pain in the setting of coronary artery bypass graft (CABG) surgery (see boxed CONTRAINDICATIONS AND WARNINGS).

WARNINGS Regarding misoprostol: See boxed CONTRAINDICATIONS AND WARNINGS. Regarding diclofenac: See boxed CONTRAINDICATIONS AND WARNINGS.

CARDIOVASCULAR EFFECTS: Cardiovascular Thrombotic Events
Clinical trials of several COX-2 selective and nonselective NSAIDs of up to three years duration have shown an increased risk of serious cardiovascular (CV) thrombotic events, myocardial infarction, and stroke, which can be fatal. All NSAIDs, both COX-2 selective and nonselective, may have a similar risk. Patients with known CV disease or risk factors for CV disease may be at greater risk. To minimize the potential risk for an adverse CV event in patients treated with an NSAID, the lowest effective dose should be used for the shortest duration possible. Physicians and patients should remain alert for the development of such events, even in the absence of previous CV symptoms. Patients should be informed about the signs and/or symptoms of serious CV events and the steps to take if they occur. There is no consistent evidence that concurrent use of aspirin mitigates the increased risk of serious CV thrombotic events associated with NSAID use. The concurrent use of aspirin and an NSAID does increase the risk of serious GI events (see GI WARNINGS). Two large, controlled clinical trials of a COX-2 selective NSAID for the treatment of pain in the first 10-14 days following CABG surgery found an increased incidence of myocardial infarction and stroke (see CONTRAINDICATIONS).

Hypertension NSAIDs including ARTHRTEC, can lead to onset of new hypertension or worsening of pre-existing hypertension, either of which may contribute to the increased incidence of CV events. Patients taking thiazides or loop diuretics may have impaired response to these therapies when taking NSAIDs. NSAIDs, including ARTHRTEC, should be used with caution in patients with hypertension. Blood pressure (BP) should be monitored closely during the initiation of NSAID treatment and throughout the course of therapy.

Congestive Heart Failure and Edema Fluid retention and edema have been observed in some patients taking NSAIDs. ARTHRTEC should be used with caution in patients with fluid retention or heart failure.

Gastrointestinal Effects—Risk of Ulceration, Bleeding and Perforation NSAIDs, including ARTHRTEC, can cause serious gastrointestinal (GI) adverse events including inflammation, bleeding, ulceration, and perforation of the stomach, small intestine, or large intestine, which can be fatal. These serious adverse events can occur at any time, with or without warning symptoms, in patients treated with NSAIDs. Only one in five patients, who develop a serious upper GI adverse event on NSAID therapy, is symptomatic. Upper GI ulcers, gross bleeding, or perforation caused by NSAIDs occur in approximately 1% of patients treated for 3-6 months, and in about 2-4% of patients treated for one year. These trends continue with longer duration of use, increasing the likelihood of developing a serious GI event at some time during the course of therapy. However, even short-term therapy is not without risk. NSAIDs should be prescribed with extreme caution in those with a prior history of ulcer disease or gastrointestinal bleeding. Patients with a prior history of peptic ulcer disease and/or gastrointestinal bleeding who use NSAIDs have a greater than 10-fold increased risk for developing a GI bleed compared to patients treated with neither of these risk factors. Other factors that increase the risk of GI bleeding in patients treated with NSAIDs include concomitant use of oral corticosteroids or anticoagulants, longer duration of NSAID therapy, smoking, use of alcohol, older age, and poor general health status. Most spontaneous reports of fatal GI events are in elderly or debilitated patients and therefore, special care should be taken in treating this population.

To minimize the potential risk for an adverse GI event in patients treated with an NSAID, the lowest effective dose should be used for the shortest possible duration. Patients and physicians should remain alert for signs and symptoms of GI ulcerations and bleeding during NSAID therapy and promptly initiate additional evaluation and treatment if a serious GI event is suspected. This should include discontinuation of the NSAID until a serious GI adverse event is ruled out. For high risk patients, alternate therapies that do not involve NSAIDs should be considered.

Renal Effects Long-term administration of NSAIDs has resulted in renal papillary necrosis 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 a nonsteroidal anti-inflammatory drug may cause a dose dependent reduction in prostaglandin formation and, secondarily, in renal blood flow, which may precipitate overt renal decompensation. Patients at greatest risk of this reaction are those with impaired renal function, heart failure, liver dysfunction, those taking diuretics and ACE inhibitors, and the elderly. Discontinuation of NSAID therapy is usually followed by recovery to the pretreatment state.

Advanced Renal Disease No information is available from controlled clinical studies regarding the use of ARTHRTEC in patients with advanced renal disease. Therefore, treatment with ARTHRTEC is not recommended in these patients with advanced renal disease. If ARTHRTEC therapy must be initiated, close monitoring of the patient's renal function is advisable.

Hepatic effects: Elevations of one or more liver tests may occur during therapy with ARTHRTEC. Borderline elevations (ie, less than 3 times the ULN [ULN = the upper limit of the normal range]), or greater elevations of transaminases occurred in about 15% of diclofenac-treated patients. Of the hepatic enzymes, ALT (SGPT) is the one recommended for the monitoring of liver injury. In clinical trials, meaningful elevations (ie, more than 3 times the ULN of AST [SGOT]) [ALT was not measured in all studies] occurred in about 2% of approximately 5,700 patients at some time during

diclofenac treatment. In a large, open, controlled trial, meaningful elevations of ALT and/or AST occurred in about 4% of 3,700 patients treated for 2-6 months, including marked elevations (ie, more than 8 times the ULN) in about 1% of the 3,700 patients. In that open-label study, a higher incidence of borderline (less than 3 times the ULN), moderate (3-8 times the ULN), and marked (>8 times the ULN) elevations of ALT or AST was observed in patients receiving diclofenac when compared to other NSAIDs.

Postmarketing surveillance has found rare cases of severe hepatic reactions, including liver necrosis, jaundice, and fulminant fatal hepatitis with and without jaundice. Some of these reported cases underwent liver transplantation. Severe hepatotoxicity may develop without a prodrome of distinguishing symptoms. Transaminases should be monitored within 4 to 8 weeks after initiating treatment with diclofenac. The misoprostol component of ARTHRTEC does not appear to exacerbate the hepatic effects caused by the diclofenac sodium component. A patient with symptoms and/or signs suggesting liver dysfunction, or in whom an abnormal liver test has occurred, should be evaluated for evidence of the development of more severe hepatic reaction while on therapy with ARTHRTEC. If abnormal liver tests persist or worsen, if clinical signs and/or symptoms consistent with liver disease develop, or if systemic manifestations occur (eg, eosinophilia, rash, etc), ARTHRTEC should be discontinued immediately. Inform patients of the warning signs and symptoms of hepatotoxicity (eg, nausea, fatigue, lethargy, pruritus, jaundice, right upper quadrant tenderness, and "flu-like" symptoms), and the appropriate action patients should take if these signs and symptoms appear.

Anaphylactoid reactions: As with other NSAIDs, anaphylactoid reactions may occur in patients without known prior exposure to ARTHRTEC. ARTHRTEC should not be given to patients with the aspirin triad. This symptom complex typically occurs in asthmatic patients who experience rhinitis with or without nasal polyps, or who exhibit severe, potentially fatal bronchospasm after taking aspirin or other NSAIDs. Emergency help should be sought in cases where an anaphylactoid reaction occurs.

Skin Reactions: NSAIDs, including ARTHRTEC, can cause serious skin adverse events such as exfoliative dermatitis, Stevens-Johnson Syndrome (SJS), and toxic epidermal necrolysis (TEN), which can be fatal. These serious events may occur without warning. Patients should be informed about the signs and symptoms of serious skin manifestations and use of drug should be discontinued at the first appearance of skin rash or any other sign of hypersensitivity.

Pregnancy: In late pregnancy, as with other NSAIDs, ARTHRTEC should be avoided because it may cause premature closure of the ductus arteriosus.

PRECAUTIONS General: ARTHRTEC cannot be expected to substitute for corticosteroids or to treat corticosteroid insufficiency. Abrupt discontinuation of corticosteroids may lead to disease exacerbation. Patients on prolonged corticosteroid therapy should have their therapy tapered slowly if a decision is made to discontinue corticosteroids. The pharmacological activity of ARTHRTEC in reducing fever and inflammation may diminish the utility of these diagnostic signs in detecting complications of presumed noninfectious, painful conditions. **Hepatic Effects** See WARNINGS. **Hematological Effects:** Anemia is sometimes seen in patients receiving NSAIDs, including ARTHRTEC. This may be due to fluid retention, occult or gross GI blood loss, or an incompletely described effect upon erythropoiesis. Patients should have their hemoglobin or hematocrit checked if they exhibit any signs or symptoms of anemia. Patients receiving ARTHRTEC who may be adversely affected by alterations in platelet function, such as those with coagulation disorders or patients receiving anticoagulants, should be carefully monitored.

Preexisting Asthma: The use of aspirin in patients with aspirin-sensitive asthma has been associated with severe bronchospasm which can be fatal. ARTHRTEC should not be administered to patients with this form of aspirin sensitivity and should be used with caution in patients with preexisting asthma. **Renal effects:** Caution should be used when initiating treatment with ARTHRTEC in patients with considerable dehydration. It is advisable to rehydrate patients first and then start therapy with ARTHRTEC. Caution is also recommended in patients with preexisting kidney disease (see WARNINGS—Advanced renal disease). Diclofenac metabolites are eliminated primarily by the kidneys. The extent to which the metabolites may accumulate in patients with renal failure has not been studied. As with other NSAIDs, metabolites of which are excreted by the kidney, patients with significantly impaired renal function should be more closely monitored. **Aseptic meningitis:** As with other NSAIDs, aseptic meningitis with fever and coma has been observed on rare occasions in patients on diclofenac therapy. **Porphyria:** The use of ARTHRTEC in patients with hepatic porphyria should be avoided.

Laboratory tests: Because serious GI tract ulcerations and bleeding can occur without warning symptoms, physicians should monitor for signs of symptoms of GI bleeding. Patients on long-term treatment with NSAIDs should have their CBC and a chemistry profile checked periodically. If clinical signs and symptoms consistent with liver or renal disease develop, systemic manifestations occur (eg, eosinophilia, rash, etc) or if abnormal liver tests persist or worsen, ARTHRTEC should be discontinued.

Drug interactions: ARTHRTEC may increase the serum levels of digoxin, methotrexate, lithium and phenobarbital; patients should be monitored for toxicity. ARTHRTEC may increase cyclosporine nephrotoxicity, exacerbate GI bleeding in patients on warfarin, and inhibit the activity of antihypertensives and diuretics. Use caution in administering ARTHRTEC with any of these agents, particularly if renal function is impaired. In aspirin may diminish the therapeutic effect of diclofenac and coadministration is not recommended. Diclofenac Na may alter a diabetic patient's response to insulin or oral hypoglycemic agents. Antacids containing magnesium may exacerbate diarrhea and should not be coadministered with ARTHRTEC. **Animal toxicology.** A reversible increase in the number of normal surface gastric epithelial cells occurred in the dog, rat, and mouse during long-term toxicology studies with misoprostol. No such increase has been observed in humans administered misoprostol for up to 1 year. An apparent response of the female mouse to misoprostol in long-term studies at 100 to 1000 times the human dose was hyperostosis, mainly of the medulla of sternabrae. Hyperostosis did not occur in long-term studies in the dog and rat and has not been seen in humans treated with misoprostol.

Carcinogenesis, mutagenesis, impairment of fertility: Long-term animal studies to evaluate the potential for carcinogenesis and animal studies to evaluate the effects on fertility have been performed with each component of ARTHRTEC given alone. ARTHRTEC itself (diclofenac sodium and misoprostol combinations in 250:1 ratio) was not genotoxic in the Ames test, the Chinese hamster ovary cell (CHO/HGPRT) forward mutation test, the rat lymphocyte chromosome aberration test or the mouse micronucleus test. In a 24-month rat carcinogenicity study, oral misoprostol at doses up to 24x the recommended maximum human dose of 0.6 mg/(m²/day) was not tumorigenic. In a 21-month mouse carcinogenicity study, oral misoprostol at doses up to 80x the recommended maximum human dose based on body surface area, was not tumorigenic. Misoprostol, when administered to male and female breeding rats in an oral dose-range of 1 to 100 times the recommended maximum human dose based on body surface area) produced dose-related pre- and post-implantation losses and a significant decrease in the number of live pups born at the highest dose. These findings suggest the possibility of a general adverse effect on fertility in males and females. In a 24-month rat carcinogenicity study, oral diclofenac sodium up to 2 mg/kg/day (12 mg/(m²/day)) was not tumorigenic. For a 50-kg person of average height (1.68m² body surface area), this dose represents 0.8 times the recommended maximum human dose (148 mg/m²) on a body surface area basis. In a 24-month mouse carcinogenicity study, oral diclofenac sodium at doses up to 0.006x the recommended maximum human dose based on body surface area) in males and 0.02x the recommended maximum human dose in females was not tumorigenic. Diclofenac sodium at oral doses up to 0.16x the recommended maximum human dose based on body surface area) was found to have no effect on fertility and reproductive performance of male and female rats.

Pregnancy, Pregnancy category X: See boxed CONTRAINDICATIONS AND WARNINGS regarding misoprostol.

Non-teratogenic effects: See boxed CONTRAINDICATIONS AND WARNINGS. Misoprostol may endanger pregnancy (may cause abortion) and thereby cause harm to the fetus when administered to a pregnant woman. Misoprostol may produce uterine contractions, uterine bleeding, and expulsion of the products of conception. Misoprostol has been used to ripen the cervix, to induce labor, and to treat postpartum hemorrhage of the uterus. Uterine rupture, amniotic fluid embolism, severe genital bleeding, shock, fetal bradycardia, and fetal and maternal death have been reported. Higher doses of misoprostol, including the 100mcg tablet, may increase the risk of complications from uterine hyperstimulation. ARTHRTEC, which contains 200mcg of misoprostol, is likely to have a greater risk of uterine hyperstimulation than the 100mcg tablet of misoprostol. Abortions caused by the drug may be incomplete. If a woman is or becomes pregnant while taking this drug, the drug should be discontinued and the patient apprised of the potential hazard to the fetus.

Cases of amniotic fluid embolism, which resulted in maternal and fetal death, have been reported with use of misoprostol during pregnancy. Severe vaginal bleeding, retained placenta, shock, fetal bradycardia, and pelvic pain have also been reported. These women were administered misoprostol vaginally and/or orally over a range of doses. Because of the known effects of nonsteroidal anti-inflammatory drugs, including the diclofenac sodium component of ARTHRTEC, on the fetal cardiovascular system (closure of ductus arteriosus), use during pregnancy (particularly late pregnancy) should be avoided.

Teratogenic effects: See boxed WARNINGS. Congenital anomalies sometimes associated with fetal death have been reported subsequent to the unsuccessful use of misoprostol as an

abortifacient, but the drug's teratogenic mechanism has not been demonstrated. Several reports in the literature associate the use of misoprostol during the first trimester of pregnancy with skull defects, cranial nerve palsies, facial malformations, and limb defects.

An oral teratology study has been performed at dose combinations 0.8 times the recommended maximum human dose and has revealed no evidence of teratogenic potential for ARTHRTEC.

However, animal reproduction studies are not always predictive of human response. There are no adequate and well-controlled studies in pregnant women.

Nursing mothers: Because of the potential for serious adverse reactions in nursing infants, ARTHRTEC is not recommended for use by nursing mothers.

Labor and Delivery: In rat studies with NSAIDs, as with other drugs known to inhibit prostaglandin synthesis, an increased incidence of dystocia, delayed parturition, and decreased pup survival occurred.

Pediatric use: Safety and effectiveness of ARTHRTEC in pediatric patients have not been established.

Geriatric use: As with any NSAIDs, caution should be exercised in treating the elderly (65 years and older). Of the more than 2,100 subjects in clinical studies with ARTHRTEC, 25% were 65 and over, while 6% were 75 and over. In studies with diclofenac, 31% of subjects were 65 and over. No overall differences in safety or effectiveness were observed between these subjects and younger subjects, and other reported clinical experience has not identified differences in responses between the elderly and younger patients, but greater sensitivity of some older individuals cannot be ruled out. As with any NSAID, the elderly are likely to tolerate adverse events less well than younger patients. Diclofenac is known to be substantially excreted by the kidney, and the risk of toxic reactions to ARTHRTEC may be greater in patients with impaired renal function. Because elderly patients are more likely to have decreased renal function, care should be taken in dose selection, and it may be useful to monitor renal function. Based on studies in the elderly, no adjustment of the dose of ARTHRTEC is necessary in the elderly for pharmacokinetic reasons although many elderly may not receive a reduced dose because of low body weight or disorders associated with aging.

ADVERSE REACTIONS: Adverse reactions associated with ARTHRTEC
Adverse reaction information for ARTHRTEC is derived from Phase III multinational controlled clinical trials in over 2,000 patients, receiving ARTHRTEC 50 or ARTHRTEC 75, as well as from blinded, controlled trials of Voltaren® Delayed-Release Tablets (diclofenac) and Cytotec® Tablets (misoprostol).

Adverse reactions associated with ARTHRTEC
Gastrointestinal: In clinical trials, the most frequently reported adverse events were GI disorders: abdominal pain (21%), diarrhea (19%), dyspepsia (14%), nausea (11%), and flatulence (9%). ARTHRTEC can cause more abdominal pain, diarrhea and other GI symptoms than diclofenac alone.

Diarrhea and abdominal pain developed early in the course of therapy, and were usually self-limited (resolved after 2 to 7 days). Rare instances of profound diarrhea leading to severe dehydration have been reported in patients receiving misoprostol. Patients with an underlying condition such as inflammatory bowel disease, or those in whom dehydration, were it to occur, would be dangerous, should be monitored carefully if ARTHRTEC is prescribed. The incidence of diarrhea can be minimized by administering ARTHRTEC with food and by avoiding coadministration with magnesium-containing antacids.

Gynecological: Gynecological disorders previously reported with misoprostol use have also been reported for women receiving ARTHRTEC (see below). Postmenopausal vaginal bleeding may be related to administration of ARTHRTEC. If it occurs, diagnostic workup should be undertaken to rule out gynecological pathology. (See boxed CONTRAINDICATIONS AND WARNINGS) **Elderly:** Overall, there were no significant differences in the safety profile of ARTHRTEC in over 500 patients 65 years of age or older compared with younger patients. Other adverse experiences reported occasionally or rarely with ARTHRTEC, diclofenac or other NSAIDs, or misoprostol are: **Body as a whole:** Asthenia, death, fatigue, fever, infection, malaise, sepsis. **Cardiovascular system:** Arrhythmia, atrial fibrillation, congestive heart failure, hypertension, hypotension, increased CPK, increased LDH, myocardial infarction, palpitations, phlebitis, premature ventricular contractions, syncope, tachycardia, vasculitis.

Central and peripheral nervous system: Coma, convulsions, dizziness, drowsiness, headache, hyperesthesia, hypertension, hypoesthesia, insomnia, meningitis, migraine, neuralgia, paresthesia, somnolence, tremor, vertigo. **Digestive:** Anorexia, appetite changes, constipation, dry mouth, dysphagia, enteritis, esophageal ulceration, esophagitis, eructation, gastritis, gastroesophageal reflux, GI bleeding, GI neoplasm benign, glossitis, heartburn, hematemesis, hemorrhoids, intestinal perforation, peptic ulcer, stomatitis and ulcerative stomatitis, tenesmus, vomiting. **Female reproductive disorders:** Breast pain, dysmenorrhea, intermenstrual bleeding, leukorrhea, menstrual disorder, menorrhagia, vaginal hemorrhage. **Hemic and lymphatic system:** Agranulocytosis, anemia, aplastic anemia, coagulation time increased, ecchymosis, eosinophilia, epistaxis, hemolytic anemia, leukocytosis, leukopenia, lymphadenopathy, melena, pancytopenia, pulmonary embolism, purpura, rectal bleeding, thrombocytopenia, thrombocytopenia. **Hypersensitivity:** Angioedema, laryngeal/pharyngeal edema, urticaria. **Liver and biliary system:** Abnormal hepatic function, bilirubinemia, hepatitis, jaundice, liver failure, pancreatitis. **Male reproductive disorders:** Impotence, preneal pain. **Metabolic and nutritional:** Alkaline phosphatase increased, BUN increased, dehydration, glycosuria, gout, hypercholesterolemia, hyperglycemia, hyperuricemia, hypoglycemia, hyponatremia, periorbital edema, porphyria, weight changes. **Musculoskeletal system:** Arthralgia, myalgia. **Psychiatric:** Anxiety, concentration impaired, confusion, depression, disorientation, dream abnormalities, hallucinations, irritability, nervousness, paranoia, psychotic reaction. **Respiratory system:** Asthma, coughing, dyspnea, hypoventilation, pneumonia, respiratory depression. **Skin and appendages:** Acne, alopecia, bruising, eczema, erythema multiforme, exfoliative dermatitis, pemphigoid reaction, photosensitivity, pruritus, pruritus ani, rash, skin ulceration, Stevens-Johnson syndrome, sweating increased, toxic epidermal necrolysis. **Special senses:** Hearing impairment, taste loss, taste perversion, tinnitus. **Urinary system:** Cystitis, dysuria, hematuria, interstitial nephritis, micturition frequency, nocturia, nephrotic syndrome, oliguria/polyuria, papillary necrosis, proteinuria, renal failure, urinary tract infection. **Vision:** Amblyopia, blurred vision, conjunctivitis, diplopia, glaucoma, iritis, lacrimation abnormal, night blindness, vision abnormal.

OVERDOSAGE: The toxic dose of ARTHRTEC has not been determined. However, signs of overdosage from the components of the product may include: diclofenac—GI complaints, confusion, drowsiness or general hypotonia; misoprostol—sedation, tremor, convulsions, dyspnea, abdominal pain, diarrhea, fever, palpitations, hypotension, or bradycardia. Symptoms of overdosage with ARTHRTEC should be treated with supportive therapy. In case of acute overdosage, gastric lavage is recommended. Induced diuresis may be beneficial. The use of oral activated charcoal may help to reduce the absorption of diclofenac sodium and misoprostol.

HOW SUPPLIED: ARTHRTEC (diclofenac sodium/misoprostol) is supplied as a film-coated tablet in dosage strengths of either 50 mg diclofenac sodium/200 mcg misoprostol or 75 mg diclofenac sodium/200 mcg misoprostol. The 50 mg/200 mcg dosage strength is a round, biconvex, white to off-white tablet imprinted with four "AS" encircling a "50" in the middle on one side and "SEARLE" and "1411" on the other. The 75 mg/200 mcg dosage strength is a round, biconvex, white to off-white tablet imprinted with four "AS" encircling a "75" in the middle on one side and "SEARLE" and "1421" on the other.

Strength	NDC Number	Size
50/200	0025-1411-60	bottle of 60
	0025-1411-90	bottle of 90
	0025-1411-34	carton of 100 unit dose
75/200	0025-1421-60	bottle of 60
	0025-1421-34	carton of 100 unit dose

Store at or below 25°C (77°F), in a dry area.

Distributed by
Pfizer
G.D. Searle LLC
Division of Pfizer Inc., NY, NY 10017

