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Easy Smoking Cessation May Signal Lung Cancer

BY BETSY BATES

SAN FRANCISCO — An unusual pattern of sudden, effortless smoking cessation in long-term smokers may herald the onset of lung cancer in a small subgroup of patients, researchers reported at the World Conference on Lung Cancer.

It has been well documented that lung cancer patients often stop smoking shortly before their diagnosis, with the as-

Flector® Patch (diclofenac epolamine topical patch) 1.3%

Brief Summary Br An Annu State State

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Lestinal events [Gee WARNINGS]. J INDICATION AND USAGE: Carefully consider the potential benefits and risks or Flector[®] Path and other treatment options before deciding to use Flector[®] Patch. Use the lowest effective dose for the shortest duration consistent with individual patient treatment goals (see WARNINGS). Flector[®] Patch is indicated for the topical treatment of acute pain due to minor strains, screense and containing.

CONTRAINDICATIONS: Flector[®] Patch is contraindicated in patients with known

CONTRAINUICATIONS: THECHT Factor is contradictionated in pacents with incom-hypersensitivity to dicidence. Flector[®] Patch should not be given to patients who have experienced asthma, urticaria, or allergic-type reactions after taking asprint or other NSAIDs. Severer, rarely fatal, ana-phylactic-like reactions to NSAIDs have been reported in such patients (see WARN-INGS - Anaphylactoid Reactions, and PRECAUTIONS - Preexisting Asthma). Flector[®] Patch is contraindicated for the treatment of per-operative pain in the setting of coronary artery bypass graft (CABG) surgery (see WARNINGS). Flector[®] Patch should not be applied to non-intact or damaged skin resulting from any etiology e.g. exudative dermatitis, eczema, infected lesion, burns or wounds.

Petcorr Patch should not be applied to non-inflact or damaged skin resulting from any etiology e.g. exudative dermatitis, eczema, infected lesion, burns or wounds. WARNINGS: CABIOUASCULAR EFFECTS: Cardiovascular Thrombotic Events: Clinical trials of several COX-2 selective and nonselective NSADs 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 NSADS, both COX-2 selective and nonselective, may have a similar risk. Patients with thrown CV disease or risk factors for CV disease may be at greater risk. The intimity thrown to the set adverse CV event in patients treated with an NSAD, the lowest effective does 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 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 NSAD use. The concurrent use aspirin and an NSAD does increase the risk of serious GI events (see GI WARNINGS). Two large, controlled, clinical trials of a COX-2 selective NSAD for the treatment of pain the first 10-14 days following CABG surgery found an increased incidence of myocardial infarction and stroke (see CONTRAINDICATIONS). **Hypertension**. NSADD showing Refer with the NSADD shows and one of new hyperten-sion or worsening of preexisting hypertension, either of which may contribute to the increased incidence of CV events. Patients taking thiazdiso or loog during results may the avoid the caused incidence of INP events. Patients taking thiazdiso or how three there hypertensions to these there patients with hypertension. Biod pressure (BP) Patch, should be used with caution in patients with hypertension or NSAD treatment and throughout the course of therapy. **Congestive Heart Faiture and Edema**: Fluid retention and edem

We ourse of therapy. pestive Heart Failure and Edema: Fluid retention and edema have been rived in some patients taking NSADS. Flector[®] Patch should be used with caution tients with fluid retention or heart failure. **printestinal Effects**- Risk of Ulceration, Bleeding, and Perforation: NSADs, ding Flector[®] Patch, can cause serious gastrointestinal (6) adverse events includ-tering the structure of the dremask small intesting.

in patients with fluid retention or heart failure. **Gastrointestinal Effects**: Risk of **Ulceration, Bleeding, and Perforation**: NSAIDs, including Flector[®] Patch, can cause serious gastrointestinal (G) adverse events includ-ing 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 and/or gastrointestinal bleeding. Patients with a prior history of ulcer disease and/or gastrointestinal bleeding who use NSAIDs have a greater than 10-fold increased risk for developing a 6 bleed compared to patients with nether of these risk factors. Other factors that increase the risk for GI bleeding in patients treated with NSAIDs include concomitant use of oral corticosteridis or anticoaguiants, longer dura-tion of NSAID therapy, smoking, use of alcohol, older age, and poor general health sta-and therefore, special care should be taken in treating this population. NSAID the obversite method the an adverse of event in patients treated with an NSAID, the lowest effective does should be used for the shorest possible duration. NSAID the lowest effective does should be used for the shorest possible duration.

and therefore, special care should be taken in treating this population. To minimize the potential risk for an adverse 61 event in patients treated with an NSAID, the lowest effective dose should be used for the shortest possible duration. Patientis and physicians should remain alert for signs and symptoms of 61 ulceration and bleeding during NSAID therapy and promptly initiate additional evaluation and treatment if a serious GI adverse event is suspected. This should include discontinua-tion of the NSAID until a serious GI adverse event is suspected. This should include discontinua-tion of the NSAID until a serious GI adverse event is suspected. This should include discontinua-tion of the NSAID until a serious GI adverse event is ruled out. For high risk patients, alternate therapies that do not involve 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 over trenal decompensation. Patients at greatest risk of this reaction are those with impaired renal function, heart failure, liver dysfunction, hose taking diuretits and ACE: inhibitors, and the elderly. Discontinuation of NSAID therapy is usually followed by recovery to the pretreatment state. **Advanced Renal Diseases**: No information is available from controlled clinical studies regarding the use of Flector[®] Patch in patients with advanced renal disease. Therefore, tread therase. If Flector[®] Patch herapy is initiated, dose monitoring of the patients renal disease. If Patcher SaiD therapy has the dised disease studies from controlled clinical etudies renal disease. As with other NSAIDs, anaphylactoid reactions may occur

rend disease. If Flector® Patch therapy is initiated, dose monitoring of the patient's renal function is advisable. Anaphylactoid Reactions: As with other NSADS, anaphylactoid reactions may occur in patients without known prior exposure to Flector® Patch. Flector® Patch should not be given to patients with experience rhinitis with or without nasal polys, or who exhib-it severe, potentially fatal bronchospasm after taking aspirin or other NSADS (see CONTRAINDICATIONS and PRECAUTIONS - Preexisting Asthma). Emergency help should be sought in cases where an anaphylactoid reaction or other NSADS (see CONTRAINDICATIONS and PRECAUTIONS - Preexisting Asthma). Emergency help should be sought in cases where an anaphylactoid reaction occurs. Skin Reactions: NSADS, including Flector® Patch, can cause serious skin adverse events such as extilative dermatitis, Strvers-Johnson Syndrome (SJS), and toxic epi-dermal 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 andrestations and use of the drug should be discontinued at the first appearance of skin rash or any other sign of hypersensitivity. **Pregnancy:** In late pregnancy: as with other NSADS, Flector® Patch should be avoid-ed because it may cause premature dosure of the ductus arteriosus. **PRECAUTIONS: General:** Flector® Patch cannot be expected to substitute for corticosteroids nay lead to disease exacehation. Patients on prolonged corticosteroid is may lead to disease exacehation. Patients on prolonged corticosteroid therapy should have their therapy tapered slowly if a decision is made to discontinue corticosteroids.

The pharmacological activity of Flector® Patch in reducing inflammation may diminish the utility of these diagnostic signs in detecting complications of presumed noninfec-

tious, painful conditions. Henatic Effects: Borderline elevations of one or more liver tests may occur in up to

sumption that symptoms such as shortness of breath, coughing, or pain create a strong motivation for behavior change.

Now a pilot study suggests that in certain lung cancer patients-even some with long-term smoking histories and significant nicotine addiction-smoking cessation occurs in the absence of symptoms or even a focused effort to quit.

This has led us to speculate that in some cases, spontaneous smoking ces-

15% of patients taking NSAIDs including Flector® Patch. These laboratory abnormali-ties may progress, may remain unchanged, or may be transient with continuing ther-apy. Notable elevations of ALT or AST (approximately 1% of patients in clinical traits with NSAIDs. In addition, rare cases of severe hepatic reactions, including jaundice and fatal fulminant hepatitis, liver necrosis and hepatic failure, some of them with fatal out-comes have been reported. 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 a more severe hepatic reaction, with Flector Patch. If clinical signs and symptoms consistent with liver disease develop, or if systemic manifestations occur (e.g. eosinghila, rash, e.c.), Flector® Patch should be discontinued. Hematological Effects: Anemia is sometimes seen in patients receiving NSAIDs. This may be due to fluid retention, occult or gross GI bodo loss, or an incompletely described effect upon erythropoiesis. Patients on long-term treatment with NSAIDs, including Flector® Patch, should have their hemoglobin or hematoric thecked if they exhibit any signs or symptoms of anemia.

sation may be a presenting feature of lung cancer, possibly caused by tumor secretion of a factor interfering with nicotine addiction," said Dr. Barbara Campling, a medical oncologist with the University of Pennsylvania in Philadelphia.

In a study conducted at the Philadelphia VA Medical Center, 115 smokers and former smokers diagnosed with lung cancer were compared to 200 smokers

Carcinogenesis, Mutagenesis, Impairment of Fertility: Carcinogenesis: Long-term studies in animals have not been performed to evaluate the carcinogenic potential of either didofenac epolamine or Flector[®] Patch. Mutagenesis: Didofenac epolamine is not mutagenic in Salmonella Typhimurium strains, nor does it induce an increase in metabolic aberrations in cultured human lym-phoptes, or the frequency of micronucleated cells in the bone marrow micronucleus tot enformed.

Statis, No Obes It mouce all inclease in metadoic advances of a super-phorytes, or the frequency of micronucleated cells in the bone marrow micronucleus test performed in rats. Impairment of Fertility: Nale and female Sprague Dawley rats were administered 1, 3, or 6 mg/kg/day diofornac epolamine via oral gavage (males treated for 60 days prior to conception and during mating period, females treated for 14 days prior to mat-ing through day 19 of gestation). Dioferace epolamine treatment with 6 mg/kg/day resulted in increased early resorptions and postimplantation losses; however, no effects on the mating and fertility indices were found. The 6 mg/kg/day does corre-sponds to 3-times the maximum recommended daily exposure in humans based on a body surface area comparison. **Pregnancy: Teratogenic Effects. Pregnancy Category C:** Pregnant Sprague Dawley rats were administered 1, 3, or 6 mg/kg diofofenac epolamine via oral gavage daily from gestation days 6-15. Maternal toxicity, embrytoxicity, and increased incidence of skeletal anomalies were noted with 6 mg/kg/day dioferace epolamine with or a body surface area comparison. Pregnant New Zealand White rabbits were administered 1, 6 mg/kg/day group which corresponds to 6-5-times the maximum recommended daily exposure in humans based on a body surface area comparison. There are no adequate and well-controlled studies in pregnant women. Flector[®] Path Shudd bu used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Where returns. Monteratogenic Effects: Because of the known effects of nonsteroidal anti-inflamma-tory drugs on the fetal cardiovascular system (closure of ductus arteriosus), use dur-ing pregnancy (particularly late pregnancy) should be avoided. Male rats were orally administered diclofenac epolamine (1, 3, 6 mg/kg) for 60 days prior to mating and throughout the mating period, and females were given the same doese 14 days prior to mating and through mating, gestation, and lactation. Embryotoxicity was observed at 6 mg/kg diclofenac epolamine (3-times the maximum recommended daily exposure in humans based on a body surface area comparison), and was manifested as an increase in early resorptions, post-implantation losses, and a decrease in live fetuses. The number of live born and total born were also reduced as was F1 postnatal survival, but the physical and behavioral development of surviv-ing F1 pups in all groups was the same as the deionized water control, nor was repro-ductive performance adversely affected despite a slight treatment-related reduction in body weight.

ductive performance adversely affected despite a slight treatment-related reduction in body weight. 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. The effects of Flector[®] Patch on labor and delivery in pregnant women are unknown. Nursing Mothers: It is not known whether this drug is excreted in human milk. Because many drugs are excreted in human-milk and because of the potential for seri-ous adverse reactions in nursing infants from Flector[®] Patch, a decision should be made whether to discontinue nursing or to discontinue the drug, taking into account the importance of the drug to the mother. Pediatric Use: Safety and effectiveness in pediatric patients have not been estab-lished.

Pediatric Use: Safety and effectiveness in pediatric patients have not been estab-lished. Geriatric Use: Clinical studies of Flector[®] Patch did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. Other reported clinical experience has not identified differently from younger subjects. Other reported clinical experience has not identified differently from younger subjects. Other reported clinical experience has not identified differently from younger subjects. Other reported clinical experience has not identified differently from younger renal function. Because elderly patients are more likely to have decreased renal func-tion, care should be taken when using Flector[®] Patch in the elderly, and it may be use-ful to monitor renal function. ADVERSE FLECTIONS: In controlled trials during the premarketing development of Plector[®] Patch, approximately 600 patients with immor sprains, strains, and contusions have been treated with Flector[®] Patch for up to two weeks. Adverse Events Leading to Discontinuation of Treatement. In the controlled trials, ment due to an adverse event. The most common adverse events leading to discon-tinuation were exploited no site reactions, occurring in 2% of both the Flector[®] Patch of the Hereitor[®] Patch of Patch inuation were explication site reactions, occurring in 2% of both the Flector[®] Patch of Patch and placebo patch groups discontinued treat-ment due to an adverse event. The most common adverse events leading to discon-tinuation were explication site reactions, occurring in 2% of both the Flector[®] Patch tinuation were application site reactions, occurring in 2% of both the Flector® Patch and placebo patch groups. Application site reactions leading to dropout included purifies, dermatitis, and huming

Common Adverse Events: Localized Reactions: Overall, the most common adverse events associated with Flector® Patch treatment were skin reactions at the site of

ardless of causality, occurring in ≥ 1% of patients A majority of patients treated with Flector® Patch n intensity of "mild" or "moderate." Ins (by body system and preferred term) in ed with Flector® Patch or Placebo Patch¹

Application Site Conditions 64 11 70 12 Pruritus 31 5 44 9 Dermalitis 9 2 3 <1 Burning 2 <1 8 1 Other 22 4 15 3 6 Nausea 17 3 11 2 2 3 <1 Dyspevia 10 2 3 <1 1 2 1 8 1 Mausea 17 3 11 2 3 <1 1 2 1 8 1 0 1 3 1 2 1 8 1 0 1 <t< th=""><th></th><th colspan="2">Diclofenac N=572</th><th colspan="2">Placebo N=564</th></t<>		Diclofenac N=572		Placebo N=564	
Prufitus 31 5 44 8 Dermatitis 9 2 3 <1 Burning 2 <1 8 1 Other* 22 4 15 3 Gastrointestinal Disorders 22 4 15 3 Observerse 49 9 33 6 Nausea 17 3 11 2 Dyspepsia 10 2 3 <1 Dheryensia 7 1 8 1 Other* 15 3 11 2		N	Percent	N	Percent
Dermalitis 9 2 3 <1 Burning 2 <1	Application Site Conditions	64	11	70	12
Burning 2 <1 8 1 Other ² 22 4 15 3 6 Gastrointestinal Disorders 49 9 33 6 Nausea 17 3 11 2 Dyspesia 10 2 3 <1	Pruritus	31	5	44	8
Other ² 22 4 15 3 Gastrointestinal Disorders 49 9 33 6 Nausea 17 3 11 2 Dryspeusia 10 2 3 -1 Dryspeusia 7 1 8 1 Other ⁴ 15 3 11 2 Nervour System Disorders 13 2 18 3					<1
Gastrointestinal Disorders 49 9 33 6 Nausea 17 3 11 2 Dysgepsia 10 2 3 <1		2	<1	8	1
Nausea 17 3 11 2 Dyspeusia 10 2 3 <1	Other ²	22	4	15	3
Dyspeusia 10 2 3 <1 Dyspepsia 7 1 8 1 Other ³ 15 3 11 2 Nerrous System Disorders 13 2 18 3	Gastrointestinal Disorders	49	9	33	6
Dyspepsia 7 1 8 1 Other ³ 15 3 11 2 Nervous System Disorders 13 2 18 3	Nausea	17	3	11	2
Other ³ 15 3 11 2 Nervous System Disorders 13 2 18 3	Dysgeusia	10	2	3	<1
Nervous System Disorders 13 2 18 3	Dyspepsia	7	1	8	1
		15	3	11	2
	Nervous System Disorders	13	2	18	3
Headache 7 1 10 2	Headache	7	1	10	2
Paresthesia 6 1 8 1	Paresthesia	6	1	8	1
Somnolence 4 1 6 1		4	1		1
Other ⁴ 4 1 3 <1	Other ⁴	4	1	3	<1

¹ The table lists adverse events occurring in placebo-treated patients because the placebo-patch was comprised of the same ingredients as Flector[®] Patch except for dickforae. Adverse events in the placebo group may therefore reflect effects of the non-active ingredients. ² Includes: application site drynes, inritation, erythema, atro-phy, discoloration, hyperhidriosis, and vesicles. ³ Includes: gastritis, vomiting, diarrhea, constigation, upper abdominal pain, and dry mouth. ⁴ Includes: hypoaesthesia, dizzness, and hyperkinesias. Foreign labeling describes that dermal allergic reactions may occur with Flector[®] Patch treatment. Additionally, the treated area may become irritated or develop itching, erythema, edema, vesicles, or abnormal sensation. DRUG ABUSE AND DEPENDENCE: Controlled Substance Class: Flector[®] Patch is not a controlled substance.

a controlled substance. **Physical and Psychological Dependence:** Diclofenac, the active ingredient in Flector[®] Patch, is an NSAID that does not lead to physical or psychological dependence.

Flector[®] Patch, is an NSAD that does not lead to physical or psychological dependence. **DVERDOSAGE:** There is limited experience with overdose of Flector[®] Patch. In clinical studies, the maximum single dose administered was one Flector[®] Patch containing 180 mg of dicidenac epolamine. There were no serious adverse events. Should systemic side effects occur due to incorrect use or accidental overdose of this product, the general measures recommended for intoxication with non-steroidal anti-inflammatory drugs should be taken. Distributed by: Alpharma Pharmaceuticals LLC One New England Avenue, Piscataway, NJ 08854 USA (Fleiphone: 1-888-840-8884) • www.FlectorPatch.com Manufactured by: Fikoku Seiyaku Co., Ltd, Sanbommatsu, Kagawa 769-2695 Japan Version June 2008 F/161 1086 Ed. II/06.08

and former smokers with prostate cancer (101) or MI (99).

Former smokers with prostate cancer had quit smoking an average of 23 years before their diagnosis; for MI, the average interim was 10 years.

But smoking cessation was a more recent event for lung cancer patients, occurring an average of 2.7 years before diagnosis.

Further comparisons among former smokers revealed striking differences among the three groups.

"In the general population, you would expect that those who succeeded in quitting smoking would be those who smoked less and were less severely addicted," she said at the meeting sponsored



'The way some of these patients stop smoking is really guite peculiar.'

DR. CAMPLING

by the International Association for the Study of Lung Cancer. "That is exactly what we found in patients with prostate cancer and myocardial infarction.'

In contrast, current and former smokers with lung cancer had similar levels of cumulative tobacco exposure and identical median scores on a scale measuring severity of addiction, scoring 7 on a scale of 0 ("Didn't even think about it") to 10 ("The hardest thing I've ever done").

Surprisingly, many of these lung cancer patients reported they had quit smoking with ease and with no symptomatic "alarm bell" that compelled them to stop.

Among the 55 patients who quit smoking before being diagnosed with lung cancer, 49 (89%) were reportedly asymptomatic at the time.

Nearly a third (17 of 55) reported quitting "with no difficulty" (0 on a scale of 0-7), even though they were moderately to severely addicted to nicotine based on the Fagerström Test for Nicotine Dependence.

"The way some of these patients stop smoking is really quite peculiar," Dr. Campling said. A typical patient was "someone who had smoked a pack of cigarettes a day for 50 years and wakes up one day and forgets to light a cigarette ... [and then] realizes they don't need it anymore.'

Dr. Campling and her associates hope their findings will be followed up with a long-term, prospective study of smokers to identify any unusual patterns of smoking cessation that may precede a diagnosis of lung cancer. In the meantime, she suggested that clinicians pay attention to any highly unusual pattern of smoking cessation in a long-term, heavy smoker, just as they would a sudden loss of appetite.

Dr. Campling and her associates reported no financial disclosures with respect to their study.

-	severe bronchospasm which can be fatal. Since cross reactivity, including bron-	exposure in humans based on a bo	
-	chospasm, between aspirin and other nonsteroidal anti-inflammatory drugs has been	There are no adequate and well-co	
	reported in such aspirin-sensitive patients, Flector® Patch should not be administered	should be used during pregnancy o	nly
9	to patients with this form of aspirin sensitivity and should be used with caution in patients with preexisting asthma.	to the fetus.	of t
v	Eve Exposure: Contact of Flector® Patch with eves and mucosa, although not studied,	Nonteratogenic Effects: Because tory drugs on the fetal cardiovascu	
·	should be avoided. If eye contact occurs, immediately wash out the eye with water or	ing pregnancy (particularly late pre	
:	saline. Consult a physician if irritation persists for more than an hour.	Male rats were orally administered	
s	Accidental Exposure in Children: Even a used Flector® Patch contains a large	prior to mating and throughout the	
С	amount of diclorenac epolamine (as much as 170 mg). The potential therefore exists	doses 14 days prior to mating	
2	for a small child or pet to suffer serious adverse effects from chewing or ingesting a	Embryotoxicity was observed at 6 r	ng
r	new or used Flector® Patch. It is important for patients to store and dispose of Flector®	recommended daily exposure in hu	JM
ļ	Patch out of the reach of children and pets.	and was manifested as an increase	
	Information for Patients: Patients should be informed of the following informa-	a decrease in live fetuses. The nur	
t	tion before initiating therapy with an NSAID and periodically during the course	as was F1 postnatal survival, but t	
	of ongoing therapy. Patients should also be encouraged to read the NSAID Medication Guide that accompanies each prescription dispensed.	ing F1 pups in all groups was the s ductive performance adversely affe	
	1. Flector [®] Patch, like other NSAIDs, may cause serious CV side effects, such as MI or	body weight.	510
d	stroke, which may result in hospitalization and even death. Although serious CV events	Labor and Delivery: In rat studies	w
f	can occur without warning symptoms, patients should be alert for the signs and symp-	prostaglandin synthesis, an increase	
	toms of chest pain, shortness of breath, weakness, slurring of speech, and should ask	decreased pup survival occurred. T	
ŋ	for medical advice when observing any indicative sign or symptoms. Patients should	pregnant women are unknown.	
f	be apprised of the importance of this follow-up (see WARNINGS, Cardiovascular	Nursing Mothers: It is not know	
	Effects). 2. Flector® Patch, like other NSAIDs, may cause GI discomfort and, rarely,	Because many drugs are excreted i	
-	serious GI side effects, such as ulcers and bleeding, which may result in hospitaliza-	ous adverse reactions in nursing	
	tion and even death. Although serious GI tract ulcerations and bleeding can occur with- out warning symptoms, patients should be alert for the signs and symptoms of ulcer-	made whether to discontinue nurs	
Ð	ations and bleeding, and should ask for medical advice when observing any indicative	the importance of the drug to the n Pediatric Use: Safety and effectiv	
9	sign or symptoms including epigastric pain, dyspepsia, melena, and hematemesis.	lished.	en
ť	Patients should be apprised of the importance of this follow-up (see WARNINGS ,	Geriatric Use: Clinical studies of F	ler
	Gastrointestinal Effects: Risk of Ulceration, Bleeding, and Perforation). 3. Flector®	subjects aged 65 and over to deterr	
n	Patch, like other NSAIDs, may cause serious skin side effects such as exfoliative der-	subjects. Other reported clinical exp	
l	matitis, SJS, and TEN, which may result in hospitalizations and even death. Although	between the elderly and younger p	ati
	serious skin reactions may occur without warning, patients should be alert for the	Diclofenac, as with any NSAID, is kr	
,	signs and symptoms of skin rash and blisters, fever, or other signs of hypersensitivity	the risk of toxic reactions to Flecto	
	such as itching, and should ask for medical advice when observing any indicative signs or symptoms. Patients should be advised to stop the drug immediately if they	renal function. Because elderly pat	
,	develop any type of rash and contact their physicians as soon as possible. 4. Patients	tion, care should be taken when us ful to monitor renal function.	ing
'n	should be instructed to promptly report signs or symptoms of unexplained weight gain		
s	or edema to their physicians (see WARNINGS, Cardiovascular Effects). 5. Patients	ADVERSE REACTIONS: In controll Flector® Patch, approximately 600	
r	should be informed of the warning signs and symptoms of hepatotoxicity (e.g. nausea,	have been treated with Flector® Pa	
S	fatigue, lethargy, pruritus, jaundice, right upper quadrant tenderness, and "flu-like"	Adverse Events Leading to Disco	
Э	symptoms). If these occur, patients should be instructed to stop therapy and seek	3% of patients in both the Flector® I	
L.	immediate medical therapy. 6. Patients should be informed of the signs of an anaphy-	ment due to an adverse event. The	
	lactoid reaction (e.g. difficulty breathing, swelling of the face or throat). If these occur,	tinuation were application site rea	cti
	patients should be instructed to seek immediate emergency help (see WARNINGS). 7. In late pregnancy, as with other NSAIDs, Flector® Patch should be avoided because it	and placebo patch groups. Applic	at
-	may cause premature closure of the ductus arteriosus. 8. Patients should be advised	pruritus, dermatitis, and burning.	
k	not to use Flector [®] Patch if they have an aspirin-sensitive asthma. Flector [®] Patch, like	Common Adverse Events: Localiz	
h	other NSAIDs, could cause severe and even fatal bronchospasm in these patients (see	events associated with Flector® Pa treatment.	atc
-	PRECAUTIONS, Preexisting asthma). Patients should discontinue use of Flector®	Table 1 lists all adverse events, rec	ıar
-	Patch and should immediately seek emergency help if they experience wheezing or	in controlled trials of Flector [®] Patch	
S	shortness of breath. 9. Patients should be informed that Flector® Patch should be used	had adverse events with a maximu	
	only on intact skin. 10. Patients should be advised to avoid contact of Flector® Patch	Table 1. Common Adverse Ev	
1	with eyes and mucosa. Patients should be instructed that if eye contact occurs, they	≥1% of Patients trea	te
	should immediately wash out the eye with water or saline, and consult a physician if		
4	irritation persists for more than an hour. 11. Patients and caregivers should be instruct- ed to wash their hands after applying, handling or removing the patch. 12. Patients		
-	should be informed that, if Flector [®] Patch begins to peel off, the edges of the patch	Application Site Conditions	_
	may be taped down. 13. Patients should be instructed not to wear Flector [®] Patch dur-	Pruritus	
<u></u>	ing bathing or showering. Bathing should take place in between scheduled patch	Dermatitis	
y	removal and application (see Full Prescribing Information, DOSAGE AND ADMINIS-	Burning	_
ì	TRATION). 14. Patients should be advised to store Flector® Patch and to discard used	Other ²	
ι.	patches out of the reach of children and pets. If a child or pet accidentally ingests	Gastrointestinal Disorders Nausea	_
9	Flector® Patch, medical help should be sought immediately (see PRECAUTIONS,	Dysgeusia	
1	Accidental Exposure in Children).	Dyspepsia	
f	Laboratory Tests: Because serious GI tract ulcerations and bleeding can occur with-	Other ³	_
,)	out warning symptoms, physicians should monitor for signs or symptoms of GI bleed-	Nervous System Disorders	
·	ing. Patients on long-term treatment with NSAIDs, should have their CBC and a chem-	Headache	

removal and application (see Full Prescribing Information, DOSAGE AND ADMINIS-TRATION). 14. Patients should be advised to store Flector[®] Patch and to disrard used patches out of the reach of children and pets. If a child or pet accidentally ingests Flector[®] Patch, medical help should be sought immediately (see **PRECAUTIONS**, **Accidental Exposure in Children**). Laboratory Tests: Because serious Gi tract ulcerations and bleeding can occur with out warning symptoms, physicians should monitor for signs or symptoms of Gi bleed-ing. Patients on long-term treatment with NSADs, should have their GBC and a chem-istry profile checked periodically If dinical signs and symptoms consistent with liver or renal disease develop, systemic manifestations occur (e.g. eosinophilla, rash, etc.) or if anormal liver tests persist or worsen, Flector[®] Patch should be discontinued. Drug Interactions: ACE-inhibitors: Reports sugges that NSAIDs may diminish the antihypertensive effect of ACE-inhibitors. This interaction should be given considera-tion in patient stating NSADs concomitantly with ACE-inhibitors. Aspirin: When Flector[®] Patch is administered with aspirin, the binding of diclofenac to protein is reduced, although the clearance of free diclofenac is not altered. The clinical significance of this interaction is not known; however, as with other NSADs, concomi-tant administration of diclofenac and aspirin is not generally recommended because of the potential of increased adverse effects. Diurdies: Clinical studies, as well as post marketing observations, have shown that Flector[®] Patch Huary toduce the nativerule of the other should be observed closely for signs of renal failure (see WARNINGS, Renal Effects), as well as to assure diuretic efficacy.

Warfain: The effects of warfain and NSAIDs on GI bleeding are synergistic, such that users of both drugs together have a risk of serious GI bleeding higher than users of either drug alone.

Including Flector* Patch, should have their hemoglobin or hematocrit checked if they exhibit any signs or symptoms of anemia. NSADs inhibit patelet aggregation and have been shown to prolong bleeding time in some patients. Unlike aspirin, their effect on platelet function is guantitatively less, of shorter duration, and reversible. Patients reveiving Flector* Patch who may be adversely affected by alterations in platelet function, such as those with coagulation disorders or patients receiving anticocagulants, should be carefully monitored. **Preexisting Asthma**: Patients with asthma may have aspirin-ensitive asthma. The use of aspirin in patients with aspirin-sensitive asthma has been associated with severe bronchoogsam which can be fatal. Since cross reactivity, including bron-chospasm, between aspirin and other nonsteroidal anti-inflammatory drugs has been reported in such aspirin-sensitive patients, Flector* Patch should not be administered to patients with this form of aspirin sensitivity ad should be used with caution in patients with preexisting asthma.

enic Effects: Because of the known effects of nonsteroidal anti-inflamma