FDA Flags Liver Damage Risks With Diclofenac

BY ELIZABETH MECHCATIE

arnings about the potential risk of hepatotoxicity associated with the use of diclofenac have been added to the labels of all products containing the nonsteroidal anti-inflammatory drug, the Food and Drug Administration announced.

A notice on the FDA's MedWatch site said that the manufacturers-Endo Phar-

maceuticals Inc. and Novartis Consumer Health Inc .- had revised the "hepatic effects" section of the diclofenac topical gel label to include new warnings and precautions about the potential for elevated liver function tests during treatment with diclofenac products, including the for-

mulation marketed as Voltaren Gel 1%. There have been postmarketing reports of severe hepatic reactions including liver necrosis, jaundice, fulminant hepatitis with and without jaundice, and liver failure in patients treated with diclofenac, according to the FDA. Some cases have been fatal or have resulted in liver transplantation.

Because severe hepatoxicity may be asymptomatic, the FDA and the revised label both recommend that clinicians periodically measure transaminase levels in patients taking diclofenac long term. Levels should be monitored within 4-8

weeks after initiating treatment, according to the FDA notice.

The labeling changes are summarized in a Dear Health Care Professional letter issued by the manufacturers.

For more information, call 800-452-0051. The MedWatch notice and letter can be viewed at www.fda.gov/Safety/Med Watch/SafetyInformation/SafetyAlertsfor HumanMedicalProducts/ucm193047.htm.

LYRICA® (pregabalin) CAPSULES @ BRIEF SUMMARY: For full prescribing information, see package insert. INDICATIONS AND USAGE LYRICA is indicated for: • Management of fibromyalgia DOSAGE AND ADMINISTRATION LYRICA is given orally with or without food. When discontinuing LYRICA, taper gradually over a minimum of 1 week Fibromyalgia: • Administer in 2 divided doses per day • Begin dosing at 150 mg/day • May be increased to 300 mg/day within 1 week • Maximum dose of 450 mg/day • Dose should be adjusted for patients with reduced renal function

CONTRAINDICATIONS

YRICA is contraindicated in patients with known hypersensitivity to pregabalin or any of its other components

CONTRAINDICATIONS

Description of the problem of the

Table 1 Kisk by Indication for antiepheptic drugs in the pooled analysis								
Indication	Placebo Patients with Events Per 1000 Patients	Drug Patients with Events Per 1000 Patients	Relative Risk: Incidence of Events in Drug Patients/Incidence in Placebo Patients	Risk Difference: Additional Drug Patients with Events Per 1000 Patients				
Epilepsy Psychiatric	1.0	3.4	3.5	2.4				
Psychiatric	5.7	8.5	1.5	2.9				

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 The relative risk for suicidal thoughts or behavior was higher in clinical trials for engisyn dryschrinic indications.

 Apynon considering rescribing UNICA or any other AED must balance the risk of suicidal thoughts and behavior.

 mercy during treatment, the prescriber needs to consider wheth the nearegeneor of these synoptions in any priven patient may be related to the illness being treated. Patients, their caregivers, and families should be informed that AEDs increases the risk of suicidal thoughts and behavior or thoughts behavior and should be advised of the need to be alree or the energence of suicidal thoughts and behavior or thoughts behavior and should be advised of the need to be alree or the energence of the signs and symptons of depression, any unusual changes in mood or behavior, or thoughts behavior and nongene whold be read to be risk or and associated with laboratory changes suggestive of the thoughts of the patients in a conscional structure trains of patients without dimically significant heart to patients vibration or congestive bene tail laisus. Engineera or and associated with diboratory changes suggestive of the the CMG group compared with 2% in the plackob group. In controlled dimical trials, 05% of th/ICA patients and 0.2% placebo patients without patients have a suggestive of the IAGN in regression structure to patients advised plane or the treat of the plackob group and the patiens the advised with advise the pr 1.9 1.8 1.0 2.4

(primarily blurred vision). Prospectively planned ophthalmologic testing, including visual acuity testing, formal visual field testing and dilated funduscopic examination, was performed in over 3600 patients. In these patients, visual acuity was reduced in 7% of placebo-treated patients. Funduscopic changes were detected in 13% of IVRICA-treated, and 12% of placebo-treated patients. Funduscopic changes were observed in 2% of IVRICA-treated and 2% of placebo-treated patients. Funduscopic changes were observed in 2% of IVRICA-treated and 2% of placebo-treated patients. Funduscopic changes were observed in 2% of IVRICA-treated and 2% of placebo-treated patients. Funduscopic changes were observed in 2% of IVRICA-treated and 2% of placebo-treated patients. Although the clinical significance of the ophthalmologic findings is unknown, patients should be considered. More frequent assessment should be considered for patients who are already routinely monitored for ocular conditions. **Creatine Kinase Elevations** IVRICA treatment was associated with creatine kinase elevations. Mean changes in creatine kinase from baseline to the maximum value were 60 U/L for tVRICA-treated patients and 28 U/L for the placebo patients. In all controlled trials across multiple patient populations, 1.5% of patients on UYRICA-treated subjects had events reported as rhabdomyolysis in premarketing clinical trials. The relationship between these myopathy events and UYRICA treatment sould be discontinued if myopathy is diagnosed or suspected or if markedly elevated creatine kinase levels occur. **Decreased Platelet Count** LYRICA treatment was associated with a decrease in platelet count. LYRICA patients experienced a mean maximal decrease in platelet count for 20 x 10²/µL, oraprated to 11 x 10²/µL in placebo patients. In the overali database of controlled trials, 2% of placebo patients and 3% of 11 x 10²/µL in andonized to contibulet ot these was 25% form baseline and 20 x 10²/µL. A rainel **CY**/IRCA treated subject developed severe thrombo

ADVERSE REACTIONS Clinical Trials Experies

Table 2 Treatment-e

ADVERSE REACTIONS Clinical Trials Experience Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice. In all controlled and uncontrolled trials across various patient populations during the premarketing development of LYRICA, more than 10,000 patients have received LYRICA. Approximately 5000 patients were treated for a formoths or more, yower 3100 patients were treated or 1 year or longer, and over 1400 patients were treated for at least 2 years. Adverse Reactions Most Commonly Leading to Discontinuation in All Premarketing Controlled Clinical Studies In premarketing controlled trials of all populations combined, 14% of patients treated with LYRICA and 7% of patients treated with placebo discontinued prematurely due to adverse reactions. In the LYRICA treatment group, the adverse reactions most frequently leading to discontinuation were discusses (4%) and somnolence. Other adverse reactions that led to discontinuation from controlled trials more frequently in the LYRICA group compared to the placebo group were atxia, confusion, asthenia, thinking abnormal, blurred vision, incoordination, and peripheral edema (1% each). Most Common Adverse Reactions in All Premarketing Controlled trials for all studies in premarketing controlled trials of all patient populations combined, discusse, somnolence, dry mouth, edema, blurred vision, weight gain, and "thinking abnormal" (primarily difficulty with concentration/attention) were more commonly vision, weight gain, and "thinking abnormal" (primarily difficulty with concentration/attention) were more commonly division, weight gain, and "thinking abnormal" (primarily difficulty with concentration/attention) were more commonly division, weight gain, and "thinking abnormal" (primarily difficulty with concentration) vision, weight gain, and "thinking abnormal" (primarily difficulty with concentration/attention) were more commonly reported by subjects treated with LYRICA than by subjects treated with placebo (≥5% and twice the rate of that seen in placebo).

in placebo). Controlled Studies with Fibromyalgia Adverse Reactions Leading to Discontinuation In clinical trials of patients with fibromyalgia, 19% of patients treated with pregabalin (150–600 mg/day) and 10% of patients treated with placebo discontinued prematurely due to adverse reactions. In the pregabalin treatment group, the most common reasons for discontinuation due to adverse reactions were discuss (5%) and somnolence (3%). In comparison, c1% of placebo-treated patients withdrew due to dizziness and somnolence. Other reasons for discontinuation from the trials, occurring with greater frequency in the pregabalin treatment group than in the placebo treatment group, were fatigue, headache, balance disorder, and weight increased. Each of these adverse reactions, regardless of causality, occurring in $\geq 2\%$ of patients. *Most Common Adverse Reactions* Table 2 lists all adverse reactions, regardless of causality, occurring in in the placebo-treatment group. A majority of pregabalin-treated patients in clinical studies experienced adverse reactions with a maximum intensity of "mild" or "moderate".

rgent adverse reaction incidence in controlled trials in Fibromvalgia (Events in at least 2% of all LYRICA-

System Organ Class - Preferred term	150 mg/d [N=132] %	300 mg/d [N=502] %	450 mg/d [N=505] %	600 mg/d [N=378] %	All PGB* [N=1517] %	Placebo [N=505] %	
							Ear and Labyrinth Dis
Vertigo	2	2	2	1	2	0	
Eye Disorders							
Vision blurred	8	7	7	12	8	1	
Gastrointestinal Diso	ders				-		
Drv mouth	7	6	9	9	8	2	
Constipation	4	4	7	10	7	2	
Vomiting	2	3	3	2	3	2	
Flatulence	1	ī	2	2	2	1	
Abdominal distension	2	2	2	2	2	1	
General Disorders an			-	-	-		
Fatique	5	7	6	8	7	4	
Edema peripheral	5	5	6	9	6	2	
Chest pain	2	1	1	2	2	1	
Feeling abnormal	1	3	2	2	2	Ó	
Fdema	1	2	1	2	2	1	
Feeling drunk	1	2	1	2	2	Ó	
Infections and Infesta	tione	2		2	2	U	
Sinusitis	4	5	7	5	5	4	
Investigations	4	J	/	J	J	4	
Weight increased	8	10	10	14	11	2	
Metabolism and Nutri		10	10	14		2	
Increased appetite		3	5	7	5	1	
Fluid retention	2	3	3	2	2	1	
Musculoskeletal and			3	2	2	1	
Arthralgia	Lonnective Tiss	aue Disorders	3	6	4	2	
Muscle spasms	2	4	4	4	4	2	
	2	4	4	4	4	2	
Back pain		3	4	3	3	3	
Nervous System Diso	23	31	43	45	38	9	
Dizziness							
Somnolence	13	18	22	22	20	4	
Headache	1	12	14	10	12	12	
Disturbance in	4	4	6	6	5	1	
attention	0	0	0	0	~	0	
Balance disorder	2	3	6	9	5	0	
Memory impairment		3	4	4	3	0	
Coordination abnormal	2	1	2	2 2 2	2	1	
Hypoaesthesia	2	2	3	2	2	1	
Lethargy	2	2	1	2	2	0	
Tremor	0	1	3	2	2	0	
Psychiatric Disorders		_		_			
Euphoric mood	2	5	6	7	6	1	
Confusional state	0	2	3	4	3	0	
Anxiety	2	2	2	2	2	1	
Disorientation	1	0	2	1	2	0	
Depression	2	2	2	2	2	2	
Respiratory, Thoracic							
Pharyngolaryngeal pair	2	1	3	3	2	2	

<u>Other Adverse Reactions Observed During the Clinical Studies of LYRICA</u> Following is a list of treatment-emergent adverse reactions reported by patients treated with LYRICA during all clinical trials. The listing does not include those events already listed in the previous tables or elsewhere in labeling, those events for which a drug cause was remote, those events which were so general as to be uninformative, and those events reported only once which did not have a substantial probability of being acutely life-threatening. Events are categorized by body system and listed in order of decreasing frequency according to the following definitions: Frequent adverse reactions are those occurring on one or more occasions in at least 1/100 patients; infrequent adverse reactions are those occurring in 1/100 to 1/1000 patients; rare reactions are those occurring in fewer than 1/1000 patients. Events of major clinical importance are described in the Warnings and *Precautions* section. Nody as a Whole – *Frequent*. Adverse, Main, Allergic reaction, Fever, Infrequent: Abscess, Cellulitis, Chilis, Malaise, Neck rigidity, Overdose, Pelvic pain, Photosensitivity reaction; *Rare*: Anaphylactoid reaction, Ascites, Granuloma, Hangover