Safety Warnings Added to Desipramine Label

BY ELIZABETH MECHCATIE

arnings related to the risk of sudden death and cardiac dysrhythmias associated with desipramine have been added to the label of the tricyclic antidepressant, according to the Food and Drug Administration.

A notice posted on the FDA's Med-Watch site states that "extreme caution" should be used when desipramine is pre-

scribed to patients who have a family history of sudden death, cardiac dysrhythmias, and cardiac conduction disturbances. This statement has been added to the general warnings section of the label. Also added to this section is the statement that "seizures precede cardiac dysrhythmias and death in some patients."

Desipramine, approved in 1964, is marketed as Norpramin by Sanofi-Aventis, which issued a Dear Healthcare Professional letter summarizing the changes to the label.

The letter lists other related changes to the overdosage section of the label, including the statement that desipramine overdoses have resulted in a higher death rate when compared to overdoses of other tricyclics. The letter also contains descriptions of early EKG changes associated with overdoses, and the recommendation to administer activated charcoal for patients who present early after an overdose. This section also now states that "serum alkalinization with intravenous sodium bicarbonate and hyperventilation [as needed] should be instituted in patients manifesting significant toxicity such as QRS widening," and that "dysrhythmias despite adequate alkalemia may respond to overdrive pacing, beta-agonist infusions, and magnesium therapy.'

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

IVRICA is contraindicated in patients with known hypersensitivity to pregabalin or any of its other co

WARNINGS AND PRECAUTIONS

WARNINGS AND PRECAUTIONS

Angioedema There have been postmarketing reports of angioedema in patients during initial and chronic treatment with LYRICA. Specific symptoms included swelling of the face, mouth (tongue, lips, and gums), and neck (throat and larynx). There were reports of life-threatening angioedema with respiratory compromise requiring emergency treatment LYRICA should be discontinued immediately in patients with these symptoms. Caution should be excised when prescribing LYRICA to patients who have had a previous episode of angioedema. In addition, patients who are taking other drugs associated with angioedema (e.g., angiotensin converting enzyme inhibitors [ACE-inhibitors] may be increased risk of developing angioedema. Phypresensitivity There have been postmarketing reports of hypersensitivity in patients shortly after initiation of treatment with LYRICA. Adverse reactions included skin redness, blisters, hives, responses and wheeign. LYRICA should be discontinued immediately in patients with these symptoms. Increased risk of developing angioedema. **Hypersensitivity** There have been postmarketing reports of hypersensitivity in patients shortly after initiation of treatment with LYRICA. Adverse reactions included skin redness, blisters, hives, rash, dyspnea, and wheezing. LYRICA should be discontinued immediately in patients with these symptoms. **Withdrawal of Antiepileptic Drugs (AEDs)** As with all AEDs, LYRICA should be withdrawing radually to minimize the potential of increased seizure frequency in patients with seizure disorders. If LYRICA is discontinued this should be done gradually over a minimum of 1 week. **Suicidal Behavior and Ideation** Antiepileptic drugs (AEDs), including LYRICA, increase the risk of suicidal thoughts or behavior in patients taking these drugs for any indication. Patients treated with any AED for any indication should be monitored for the emergence or worsening of depression, suicidal thoughts or behavior, and/or any unusual changes in mood or behavior. Pooled analyses of 199 placebo-controlled clinical trials (monand adjunctive therapy) of 11 different AEDs showed that patients randomized to one of the AEDs had approximately twice the risk (adjusted Relative Risk 1.8, 95% Cl: 1.2, 2.7) of suicidal thinking or behavior compared to patients randomized to placebo. In these trials, which had a median treatment duration of 12 weeks, the estimated incidence rate of suicidal behavior or ideation among 27,863 AED-treated patients was 0.43%, compared to 0.24% among 16,029 placebo-treated patients, representing an increase of approximately one case of suicidal thinking or behavior for every 530 patients treated. There were four suicides in drug-treated patients in the trials and none in placeby are treated patients, but the number is too small to allow any conclusion about drug effect on suicide. The increased risk of suicidal thoughts or behavior for every 450 patients treated. There were four suicides in drug-treated patients in the trials and none in placeby 42 weeks, the risk of suicidal thou

Table 1 Risk by indication for antiepileptic 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	1.0	3.4	3.5	2.4	i
Psychiatric	5.7	8.5	1.5	2.9	
Other	1.0	1.8	1.9	0.9	
Total	2.4	V 3	1.8	1 9	

Placebe Priems

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The relative risk for suicidal thoughts or behavior was higher in clinical trials for epilepsy than in clinical trials for psychiatric or other conditions, but the absolute risk differences were similar for the epilepsy and psychiatric indications. Anyone considering prescribing URIRA or any other illnesses for which AEDs are prescribed are themselves associated with morbidity and mortality and an increased risk of suicidal thoughts or behavior with the risk of untreated illness. Epilepsy and many other illnesses for which AEDs are prescribed are themselves associated with morbidity and mortality and an increased risk of suicidal thoughts and behavior. Should suicidal thoughts and behavior emerge during treatment, the prescriber needs to consider whether the entergence of these symptoms in any given patient may be related to the filmess being treated. Patients, their caregivers, and families should be informed that AEDs increase the risk of suicidal thoughts and behavior and should be advised of the need to be alert for the emergence or vorsening of the signs and symptoms of depression, any unusual changes in mood or behavior, or the emergence of suicidal thoughts, behavior, or thoughts about self-fram. Behaviors of concern should be reported immediately to healthcare providers. Peripheral Edema NIPRICA treatment may cause peripheral edema. Individual continual properties of the properties of the properties of the properties of the providers. Peripheral edema was reported in 25 kg lacebo patients without the properties of the prop

(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 patients treated with LYRICA, and 5% of placebo-treated patients. Visual field changes were detected in 13% of LYRICA-treated, and 12% of placebo-treated patients. Funduscopic changes were observed in 2% of LYRICA-treated and 2% of placebo-treated patients. Although the clinical significance of the ophthalmologic findings is unknown, patients should be informed that if changes in vision occur, they should notify their physician. If visual disturbance persists, further assessment should be considered. More frequent assessment should be considered for patients who are already routinely monitored for ocular conditions. **Creatine Kinase Elevations** LYRICA treatment was associated with creatine kinase elevations. Mean changes in creatine kinase from baseline to the maximum value were 60 U/L for LYRICA-treated patients and 28 U/L for the placebo patients. In all controlled trials across multiple patient populations, 1.5% of patients on LYRICA treated subjects had events reported as rhabdomyolysis in premarketing clinical trials. The relationship between these myopathy events and LYRICA is not completely understood because the cases had doesnet between these myopathy events and LYRICA is not completely understood because the cases had doesnet muscle pain, tenderness, or weakness, particularly if these muscle symptoms are accompanied by malaise or fever. LYRICA treatment should be discontinued if myopathy is diagnosed or suspected or if markedly elevated rectaine kinase levels occur. Decreased Platelet Count LYRICA treatment was associated with a decrease in platelet count con 20 x 10 /µL, compared to 11 x 10 /µL. In randomized controlled trials, LYRICA was not associated with an increase in bleeding-related adverse reactions. PR historyal prolongation in Prol

ADVERSE REACTIONS
Clinical Trials Experience Because clinical trials are conducted under widely varying conditions, adverse reaction and trials of another drugs of a conducted under widely varying conditions, adverse reaction and the clinical trials of another drugs. 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 cars arous patient populations during the premarketing development of LYRICA, more than 10,000 patients were treated for 1 pear or longer, and over 1400 patients were treated for 1 benorths or more, over 3100 patients were treated for 1 year or longer, and over 1400 patients were treated for a 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 discontinuation met adverse reactions. In the LYRICA treatment group, the adverse reactions most frequently leading to discontinuation were dizziness (4%) and somnolence (3%). In the placebo group, 1% of patients withdrew due to dizziness and <1% withdrew due to somnolence (10 ther adverse reactions that led to discontinuation from controlled trials more frequently in the LYRICA group compared to the placebo group were ataxia, confusion, asthenia, thinking abnormal, blurred vision, incoordination, and peripheral edema (1% each). Most Common Adverse Reactions in All Premarketing Controlled Clinical Studies In premarketing controlled trials of all patient populations combined, cityziness, somnolence, dy mouth, dema, blurred 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.

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 dizziness (6%) and somnolence (3%). In company, <1% of placebo-treated patients withdrew due to dizziness and somnolence. Other reasons for discontinuation from the trials, piaceop-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 led to withdrawal in approximately 1% of patients. Most Common Adverse Reactions Table 2 lists all adverse reactions, regardless of causality, occurring in \$2.2\% of patients with fibromyalgia in the 'all pregabalin' treatment group for which the incidence was greater than 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".

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 Disc	,-	,,,	,,,	,,,	,,,	70	
Vertigo	raers 2	2	2	1	2	0	
Eve Disorders	2	2	2		Z.	U	
Vision blurred	8	7	7	12	8	1	
Gastrointestinal Disor		1	/	1Z	ō	1	
	uers 7	c	9	9	8	2	
Dry mouth		6 4			7	2	
Constipation	4 2	3	7	10	3	2 2	
Vomiting	2 1	3 1	3	2		2	
Flatulence			2	2	2		
Abdominal distension	2	2	2	2	2	1	
General Disorders and		e Site Conditions			_		
Fatigue	5	7	6	8	7	4	
Edema peripheral	5	5	6	9	6	2	
Chest pain	2	1	1	2 2	2	1	
Feeling abnormal	1	3	2	2	2	0	
Edema	1	2	1	2	2	1	
Feeling drunk	1	2	1	2	2	0	
Infections and Infestat	tions						
Sinusitis	4	5	7	5	5	4	
Investigations		-		-	-		
Weight increased	8	10	10	14	11	2	
Metabolism and Nutrit	tion Disorders					_	
Increased appetite	4	3	5	7	5	1	
Fluid retention	2	3	3	2	2	i	
Musculoskeletal and (ua Nienrdare	Ü	-	-		
Arthralgia	Λ	3	3	6	4	2	
Muscle spasms	2	4	4	4	4	2	
Back pain	2	3	Ž.	3	3	3	
Nervous System Disor		J	4	J	J	J	
Dizziness	23	31	43	45	38	9	
Somnolence	13	18	77	22	20	4	
Headache	13	12	14	10	20 12	12	
Disturbance in	4	4	6	6	5	12	
	4	4	0	0	5	1	
attention					-		
Balance disorder	2	3	6	9	5	0	
Memory impairment	1	3	4	4	3	0	
Coordination abnormal	2	1	2	2 2 2	2 2 2	1	
Hypoaesthesia	2	2 2	3	2	2	1	
Lethargy	2		1			0	
Tremor	0	1	3	2	2	0	
Psychiatric Disorders							
Euphoric mood	2	5	6	7	6	1	
Confusional state	0	2	3 2	4	3	0	
Anxiety	2	2	2	2	2	1	
Disorientation	ī	ō	2	ī	2	Ó	
Denression	2	2	2	2	2	2	
Respiratory, Thoracic	and Mediastina	al Disorders	-	-	-	-	
Pharyngolaryngeal pain	2	1	3	3	2	2	

Other Adverse Reactions Observed During the Clinical Studies of LYRICA 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 already 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 aleast 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. Body as a Whole — Frequent Abdominal pain, Allergic reaction, Fever; Infrequent: Abscess, Cellulitis, Chills, Malaise, Neck rigidity, Overdose, Petvic pain, Photosensitivity reaction; Rare: Anaphylactoid reaction, Ascites, Granuloma, Hangover