Providers Asked to Report H1N1 Vaccine Events

BY HEIDI SPLETE

he Food and Drug Administration encourages health care providers to watch for and report any adverse events associated with vaccination against the pandemic influenza A(H1N1) virus, FDA commissioner Dr. Margaret A. Hamburg said in an open, online letter to American health care professionals.

"The benefits of preventing serious consequences from infection with the 2009 H1N1 influenza virus far outweigh the risks associated with vaccination," Dr. Hamburg said. She emphasized that no shortcuts were taken during production of the vaccine, and that the vaccines are released for distribution only when they are deemed sterile and potent by both the vaccine manufacturer and the FDA.

Dr. Hamburg reviewed the egg-based process for vaccine manufacture and the process of measuring the amount of vaccine antigen, both of which impact the number of vaccine doses available at a given time. As of Nov. 10, more than 41 million doses of the H1N1 vaccine had been allocated for distribution throughout the United States, she said.

Dr. Hamburg also emphasized the safety and effectiveness of the vaccine, shown in early clinical trials, and she encouraged physicians to share information about vaccine production, distribution, and safety with their patients.

The letter can be accessed online at www.fda.gov/NewsEvents/ PublicHealthFocus/ucm189691.htm. Health care professionals can report adverse events via the Vaccine Adverse Event Reporting System at http://vaers. hhs.gov/index.

LYRICA® (pregabalin) CAPSULES ©

BRIEF SUMMARY: For full prescribing information, see package insert

INDICATIONS AND USAGE

LYRICA is indicated for: • Management of fibromyalgi DOSAGE AND ADMINISTRATION

LYRICA is given orally with or without food. When discontinuing LYRICA, taper gradually over a minimum of 1 week

Fibromyalgia: • Administer • Begin dosin

- 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

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

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 anyms). 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 exercised 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 at increased risk of developing angioedema. Hypersensitivity There have been postmarketing reports of hypersensitivity in patients shortly after initiation of treatment with LYRICA. Adverser earctions included skin redness, bibiters, 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 withdrawn gradually to minimize the potential of increased seizure frequency in patients with seizure disorders. If LYRICA is continued this focontinued this broot to the properties of the properties of the patients of the patients and the properties of the patients of the patients and the patients of the patients and patients are also analyses of 199 placebo-controlled clinical trials (mono-and adjunctive therapy) of 11 different AEDs showed that patients randomized to no ehavior compared to patients randomized to no eth AEDs had proximately 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 in the trials and none in placebo-treated patients, representing an i 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 509 patients treated. There were four suicidies in drug-treated patients in the trials and none in placebo-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 with AEDs was observed as early as one week after starting drug treatment with AEDs and persisted for it duration of treatment assessed. Because most trials included in the analysis did not extend beyond 24 weeks, the risk of suicidal thoughts or behavior beyond 24 weeks could not be assessed. The risk of suicidal thoughts or behavior was generally consistent among drugs in the data analyzed. The finding of increased risk with AEDs of varying mechanisms of action and across a range of indications suggests that the risk applies to all AEDs used for any indication. In ski did not vary substantially by age (5-100 years) in the clinical trials analyzed. Table 1 shows absolute and relative risk by indication for all evaluated AEDs.

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	
Psychiatric	5.7	8.5	1.5	2.9	
Other	1.0	1.8	1.9	0.9	
Total	2.4	4.3	1.8	1.9	

(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 It is 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/f or 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 and 0.7% of placebo patients had a value of creatine kinase at least three times the upper limit of normal. Three 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 documented factors that may have caused or contributed to these events. Prescribers should instruct patients to promptly report unexplained muscle pain, tenderness, or weakness, particularly if these muscle symptoms are accompanied by malaise or fever. LYRICA treated subject developed severe thrombocytopenia with a platents to promptly report unexplained muscle pain, tenderness, or weakness, particularly if these muscle symptoms are accompanied by malaise or fever. LYRICA treated subject developed severe throm

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 6 months or more, over 3100 patients were treated for 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 discussed (4%) and somnolence (3%). In the placebo group, 1% of patients witherw due to discontinued prematurely due to adverse reactions and peripheral edema (1% each). Most Common Adverse Reactions in All Premarketing Controlled Clinical Studies in premarketing controlled trials of all patient populations combined, dizziness, somnolence, dry mouth, edema, 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 (25% 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 dizziness (8%) and somnolence (3%). In company, c.1% 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 led withdrawal in approximately 1% of patients. Most Common Adverse Reactions Table 2 lists all adverse reactions, regardless of causality, occurring in 22% 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".

rse reaction incidence in controlled trials in Fibromyalgia (Events in at least 2% of all LYRICA

System Organ Class	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] %
- Preferred term			%			
Ear and Labyrinth Dis	ordore					
Vertigo	2	2	2	1	2	0
Eye Disorders	2	2	2		2	U
Vision blurred	8	7	7	12	8	1
Gastrointestinal Diso		,	,	12	U	'
Dry mouth	7	6	9	9	8	2
Constipation	4	4	7	10	7	2
		3				
Vomiting	2		3	2	3	2
Flatulence	1	1	2	2	2 2	1
Abdominal distension	2	2	2	2	2	1
General Disorders an		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 2	1
Feeling abnormal	1	3	2	2 2	2	0
Edema	1	2	1	2	2	1
Feeling drunk	1	2	1	2	2	0
Infections and Infest	ations					
Sinusitis	4	5	7	5	5	4
Investigations						
Weight increased	8	10	10	14	11	2
Metabolism and Nuti	rition Disorders	10				-
Increased appetite	Λ	3	5	7	5	1
Fluid retention	2	3	3	2	2	i
Musculoskeletal and	Connective Ties	ua Nienrdare	3	2	-	'
Arthralgia	A	3	3	6	4	2
Muscle spasms	2	4	4	4	4	2
Back pain	2	3	4	3	3	3
		3	4	3	3	3
Nervous System Disc	23	31	43	45	38	9
Dizziness			43 22	45 22	38 20	4
Somnolence	13	18				
Headache	1	12	14	10	12	12
Disturbance in	4	4	6	6	5	1
attention						
Balance disorder	2	3	6	9	5	0
Memory impairment	1	3	4	4	3 2	0
Coordination abnormal	2	1	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	s					
Euphoric mood	2	5	6	7	6	1
Confusional state	ō	2	3	4	3	Ó
Anxiety	2	2		2	2	1
Disorientation	1	ñ	2 2	1	2 2	ó
Depression	2	2	2	2	2	2
Respiratory, Thoracio		al Dicardore	2	2	2	4
Pharyngolaryngeal pai	n 2	ii Distrigers	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 elast 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, Pelvic pain, Photosensitivity reaction; Rare: Anaphylactoid reaction, Ascites, Granuloma, Hangover