Follow-Up Visits Aid Weight Loss After Surgery

BY HEIDI SPLETE

WASHINGTON — Successful weight loss for patients who undergo gastric banding is significantly associated with the number of follow-up visits to a surgeon's office during the first year after the procedure, according to a study involving 113 adults who had gastric band surgery between 2005 and 2007.

Gastric band surgery can be a safe and

effective strategy for weight loss, but studies have shown that the percentage of excess weight lost after the procedure ranges from -8.5% to 79% after 1 year, said Dr. Julio Teixeira of St. Luke's Roosevelt Hospital in New York.

To identify predictors of weight loss 1 year after gastric band surgery, researchers reviewed baseline demographics, body mass index, comorbidities, number of office visits, and gastric band adjustments for up to 15 months after the procedure. The single center findings were presented in a poster at the annual meeting of the Obesity Society.

The patients ranged in age from 22 to 71 years, with an average age of 41 years. The patients' BMIs ranged from 36 to 72 kg/m², with an average of 47 kg/m². Approximately 91% of the patients were women; 32% were white, 43% were black, and 25% were Hispanic.

Participants had an average of six follow-up visits to a surgeon's office during the first year after the procedure. There was a significant correlation between the number of follow-up visits and both the amount of weight lost and the percentage of excess weight lost.

Disclosures: Dr. Teixeira has served as an adviser to Allergan, which manufactures an adjustable gastric banding system.

$\textbf{LYRICA}^{*} \text{ (pregabalin) CAPSULES } \textcircled{}$

BRIEF SUMMARY: For full prescribing information, see package insert

INDICATIONS AND USAGE

- LYRICA is indicated for:

 Management of neuropathic pain associated with diabetic peripheral neuropathy

 Management of postherpetic neuralgia

DOSAGE AND ADMINISTRATION

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

- Administer in 3 divided doses per day
- Regin dosing at 150 mg/day
 May be increased to a maximum of 300 mg/day within 1 week
 Dose should be adjusted for patients with reduced renal function

- Administer in 2 or 3 divided doses per day

- Audininisten III 27 d Windeu Obesse per uay
 Begin dosing at 150 mg/day
 May be increased to 300 mg/day within 1 week
 Maximum doses of 600 mg/day
 Dose should be adjusted for patients with reduced renal function

WARNINGS AND PRECAUTIONS

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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 exercised when prescribing LYRICA to patients who have had a previous episode of angioedema. In addition, patients who have ration at 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, dyspone, and wheezing. LYRICA should be discontinued immediately in patients with the 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 disoorders. It LYRICA is discontinued times 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 disoorders. It LYRICA is discontinued times yet proteins and patients with the seizure disoorders. It LYRICA is discontinued times yet proteins and patients with a patients 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 noe of the AEDs had paproximately the protein treated with any AED for any indication should be monitored for the emergence or worsening of depression, suicidal thoughts or behavior to patients randomized t

lable I filsk by illulcation for anticpricptic utugs 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					

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 LYRICA or any other AED must balance the 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 Anyone considering prescribing LYRICA or any other AED must balance the 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 emergence of these symptoms in any given patient may be related to the illness 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 allert for the emergence or worsening 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-harm. Behaviors of concern should be reported immediately to healthcare providers. Peripheral Edema LYRICA treatment may cause peripheral edema. In short-term trials of patients without clinically significant heart or peripheral vascular disease, there was no apparent association between peripheral edema and cardiovascular complications such as hypertension or congestive heart failure. Peripheral edema was 6% in the LYRICA group compared with 2% in the placebo group. In controlled clinical trials the incidence of peripheral edema was 6% in the LYRICA group compared with 2% in the placebo group. In controlled clinical trials the incidence of peripheral edema was 6% in the LYRICA group compared with 2% in the placebo group. In controlled clinical trials, 15% of LYRICA patients and 0.2% placebo patients withdrew due to peripheral edema. Higher frequencies of weight gain and peripheral edema was reported in patients taking both LYRICA and a thiazolidinedione antidiabetic agent compared to patients who were participants in studies of pain associated with dishetic peripheral neuropathy. In this population, peripheral edema was reported in 3% (2/60) of pati Duzziness and somnolence generally began shortly after the initiation of LYRICA therapy and occurred more frequently higher doses. Dizziness and somnolence were the adverse reactions most frequently leading to withdrawal (4% each) from controlled studies. In LYRICA-treated patients reporting these adverse reactions in short-term, controlled studies, dizziness persisted until the last dose in 42% of patients. Weight Gain LYRICA treatment may cause weight gain. In LYRICA controlled clinical trials of up to 14 weeks, a gain of 7% or more over baseline weight was observed in 9% of LYRICA-treated patients and 2% of placebo-treated patients. Few patients treated with LYRICA (0.3%) withdraw from controlled trials due to weight gain. LYRICA associated weight gain was not associated with dose and duration of exposure, but did not appear to be associated with baseline BMI, gender, or age. Weight gain was not limited to patients with edema [see Warnings and Precautions]. Although weight gain was not associated with clinically important changes in blood pressure in short-term controlled studies, the long-term cardiovascular effects of LYRICA-associated weight gain are unknown. Among diabetic patients, LYRICA-treated patients gained an average of 1.6 kg (range: -16 to 16 kg), compared to an average 0.3 kg (range: -10 to 9 kg) weight gain in placebo patients. In a contor of 333 district patients who received LYRICA for at least 2 years, the average weight gain was 5.2 kg. While the effects of LYRICA-associated weight gain on glycemic control have not been systematically assessed, in controlled and longer-term open label clinical trials with diabetic patients, LYRICA treatment did not appear to be associated with loss of glycemic control [as measured by HbA₂]. Abrupt or Rapid Discontinuation Following abrupt or rapid discontinuation of LYRICA, some patients reported symptoms including insomnia, nausea, headdache, and diarrhea. LYRICA should be tapered gradually over a minimum of 1 week rather than discontinuate abruptly. Tu

premarketing development provides no direct means to assess its potential for inducing tumors in humans. In clinical studies across various patient populations, comprising 6396 patient-years of exposure in patients >12 years of age, new or worsening-preexisting tumors were reported in 57 patients. Without knowledge of the background incidence and recurrence in similar populations not treated with YRICA, it is impossible to know whether the incidence seen in these cohorts is or is not affected by treatment. **Ophthalmological Effects** In controlled studies, a higher proportion of patients treated with LYRICA reported blurred vision (7%) than did patients treated with placebo (2%), which resolved in a majority of cases with continued dosing. Less than 1% of patients discontinued LYRICA reported blurred vision in 1% of patients discontinued LYRICA reported 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. Wisual 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 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 propulations, 1.5% of patients on LYRICA and 0.7% of placebo patie

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 1 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 discontinual premarturely due to 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. Other 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 Tislas of all patient populations combined, dizziness, somnolence, dy mouth, one company reported by subjects treated with LYRICA than by subjects treated with placebo (25% and twice the rate of that seen in placebo).

Controlled Studies with Neuropathic Pain Associated with Diabetic Peripheral Neuropathy Adverse Reactions leading to

in placebo]. Controlled Studies with Neuropathic Pain Associated with Diabetic Peripheral Neuropathy. Adverse Reactions Leading to Discontinuation in clinical trials in patients with neuropathic pain associated with diabetic peripheral neuropathy, 9% of patients treated with LYRICA and 4% of patients treated with placebo discontinued prematurely due to adverse reactions. In the LYRICA treatment group, the most common reasons for discontinuation due to adverse reactions were dizziness (3%) and somnolence (2%). In comparison, <1% of placebo patients withdrew due to dizziness and somnolence. Other reasons for discontinuation from the trials, occurring with greater frequency in the LYRICA group than in the placebo group, were asthenia, confusion, and peripheral elema. Each of these events led to withdrawal in approximately 1% of patients. Most Common Adverse Reactions Table 2 lists all adverse reactions, regardless of causality, occurring in ≥1% of patients with neuropathic pain associated with diabetic neuropathy in the combined LYRICA group for which the incidence was greater in this combined LYRICA group than in the placebo group. A majority of pregabalin-treated patients in clinical studies had adverse reactions with a maximum intensity of "mild" or "moderate".

Treatment-emergent adverse reaction incidence in controlled trials in Neuropathic Pain Associated with Diabetic 2al Neuropathy (Events in at least 1% of all LYRICA-treated patients and at least numerically more in all LYRICA than in

Body System - Preferred term	75 mg/d [N=77] %	150 mg/d [N=212] %	300 mg/d [N=321] %	600 mg/d [N=369] %	All PGB* [N=979] %	Placebo [N=459] %
Body as a whole						
Asthenia	4	2	4	7	5	2
Accidental injury	5	2 2	2	6 2	4	3
Back pain	Ó	2	1		2	0
Chest pain	4	1	1	2 2	2	1
Face edema	0	1	1	2	1	0
Digestive system						
Dry mouth	3	2 2	5	7	5	1
Constipation	0		4	6	4	2
Flatulence	3	0	2	3	2	1
Metabolic and nutrition	nal disorders					
Peripheral edema	4	6	9	12	9	2
Weight gain	0	4	4	6	4	0
Edema	0	2	4	2	2 2	0
Hypoglycemia	1	3	2	1	2	1
Nervous system						
Dizziness	8	9	23	29	21	5
Somnolence	4	6	13	16	12	3
Neuropathy	9	2	2	5	4	3
Ataxia	6	1	2 2 2	4	3 3 2 2 2	1
Vertigo	1	2	2	4	3	1
Confusion	0	1	2	3 2 2 3	2	1
Euphoria	0	0	3	2	2	0
Incoordination	1	0	2	2	2	0
Thinking abnormal ¹	1	0	1	3	2	0
Tremor	1	1	1	2	1	0
Abnormal gait	1	0	1	2 3 2	1	0
Amnesia	3	1	0	2	1	0
Nervousness	0	1	1	1	1	0
Respiratory system						
Dyspnea	3	0	2	2	2	1
Special senses						
Blurry vision [‡]	3	1	3	6	4	2
Abnormal vision	1	0	1	1	1	0

ruc, preglation:
Thinking abromal primarily consists of events related to difficulty with concentration/attention but also includes events related to cognition and langu
problems and slowed thinking.
Investigator term, summary level term is amblyopia.

*Investigator term; summary level term is antihyopia.

Controlled Studies in Postherpetic Neuralgia, Adverse Reactions Leading to Discontinuation In clinical trials in patients with postherpetic neuralgia, 14% of patients treated with LYRICA and 7% of patients treated with Jacebo discontinued prematurely due to adverse reactions. In the LYRICA treatment group, the most common reasons for discontinuation due to adverse reactions were dizaness (4%) and somnolence (3%). In comparison, less than 1% of placebo patients withdrew due to dizziness and somnolence. Other reasons for discontinuation from the trials, occurring in greater frequency in the LYRICA group than in the placebo group, were confusion (2%), as well as peripheral edema, asthenia, ataxia, and abnormal gait (1% each). Most Common Adverse Reactions Table 3 lists adverse reactions, regardless of causality, occurring in ≥1% of patients with neuropathic pain associated with postherpetic neuralgia in the combined LYRICA group for which the incidence was greater in this combined LYRICA group than in the placebo group, if the incidence of the event in the 500 mg/day group is more than twice that in the placebo group. A majority of pregabalin-treated patients in clinical studies had adverse reactions with a maximum intensity of "mild" or "moderate".