# Benefit of Erythropoietin for HCV Questioned

BY MICHELE G. SULLIVAN Mid-Atlantic Bureau

BOSTON — Erythropoietin is quickly becoming an integral part of hepatitis C virus treatment regimens, despite a lack of firm data supporting its long-term clinical benefit, Dr. Eric Yoshida said at the annual meeting of the American Association for the Study of Liver Diseases.

Only a few studies have prospectively examined the effect of erythropoietin in these patients, and whereas the studies have shown statistically significant improvements in terms of increasing hemoglobin levels and allowing for maintenance of ribavirin dosage, opinions vary on whether these differences translate into clinical benefit.

"Does this mean there is no place for erythropoietin for these patients? No ... it means we should treat the patient—not the numbers," said Dr. Yoshida, head of gastroenterology at the University of British Columbia, Vancouver.

Ribavirin, considered a mainstay of antiviral therapy for hepatitis patients, can cause a dose-dependent hemolytic anemia. Guidelines suggest decreasing the dosage of ribavirin when hemoglobin levels fall below 12 g/dL, and discontinuing the drug if levels fall below 8.5 g/dL.

But because ribavirin is so important to sustained viral response, some patients persist with it even when they develop an anemia that significantly impairs their quality of life, said Dr. Yoshida, who reviewed three studies that have examined the effect of erythropoietin in hepatitis C patients (Ann. Pharmacother. 2007;41:268-75).

The first study, a placebo-controlled trial, randomized 64 patients to either weekly erythropoietin injections for 16 weeks or placebo. At baseline, the mean hemoglobin level was 11 g/dL in both groups (Am. J. Gastroenterol. 2003;98:2491-9).

At the study's end, patients receiving erythropoietin had significantly higher mean hemoglobin levels (14 g/dL vs. 11

### LYRICA® (PREGABALIN) CAPSULES®

BRIEF SUMMARY: For full prescribing information, see package insert.

# INDICATIONS AND USAGE

- INDICATIONS AND OSAGE
  LYRICA is indicated for:

   Management of neuropathic pain associated with diabetic peripheral neuropathy

   Management of postherpetic neuralgia

   Adjunctive therapy for adult patients with partial onset seizures

   Management of fibromyalgia

# CONTRAINDICATIONS

in patients with known hypersensitivity to pregabalin or any of its components.

## WARNINGS AND PRECAUTIONS

WARNINGS AND PRECAUTIONS
Angioedema There have been postmarketing reports of angioedema in patients during initial and chronic treatment with VTRICA 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 meregency 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 Adverse reactions included skin redness hijsters, hives rash dysness and wheeping IXRICA should be discontinued immediately have had a previous episode of angioedema. In addition, patients who are taking other drugs associated with angioedema (e.g., angiotensic converting enzyme inhibitors) IAQE-inhibitors) may be at increased risk of developing angioedema. Hypersensitivity There have been postmarketing reports of hypersensitivity in patients with patients shortly after initiation of treatment with LYRICA Adverse reactions included skin redness, bisters, 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 is with seizure disorders. If LYRICA is discontinued this should be done gradually over a minimum of 1 week. Peripheral Edema LYRICA teatment 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 not associated with laboratory changes suggestive of deterioration in renal or hepatic function. 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, 0.5% of LYRICA patients and 0.2% placebo patients withdrew due to peripheral edema. Higher frequencies of weight gain and peripheral edema were observed in patients taking both LYRICA and a thiazolidinedione antidiabetic agents in the overall safety database were participants in studies of pain associated with diabetic peripheral europathy. In this population, peripheral edema was reported in 3% (2/60) of patients who were using thiazolidinedione antidiabetic agents only, 8% (68/959) of patients of patients who were treated with LYRICA only, and 19% (23/120) of patients such whose constitution of patients of pat gradually over a minimum of 1 week rather than discontinued abruptly. Tumorigenic Potential in standard preclinical in vivo lifetime carcinogenicity studies of LYRICA, an unexpectedly high incidence of hemangiosacroma was identified in two different strains of mice. The clinical significance of this finding is unknown. Clinical experience during LYRICAs 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 recurence in similar populations not treated with LYRICA, 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 treatment due to vision-related events (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 placebotreated patients. Funduscopic changes were observed in 2% of LYRICA-treated, and 12% of placebotreated 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 field resting persists, further assessment should be considered. More frequent assessment should be considered for patients who are already routinely monitored for ocular conditions (see Patient Currection, Accounted the Accounted of the patients asse considered for patients who are already routinely monitored for ocular conditions [see Patient Counseling Information]. 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 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 treatment should be discontinued if myopathy is diagnosed or suspected or if markedly elevated creatine kinase levels occur. Decreased Platelet Count LYRICA suspected or if markedly elevated creatine kinase levels occur. **Decreased Platelet Count** LYRICA treatment was associated with a decrease in platelet count. LYRICA-treated subjects experienced a mean maximal decrease in platelet count of 20 x 10<sup>3</sup>/LJ, compared to 11 x 10<sup>3</sup>/LJ in placebo patients. In the overall database of controlled trials, 2% of placebo patients and 3% of LYRICA patients experienced a potentially clinically significant decrease in platelets, defined as 20% below baseline value and <150 x 10<sup>3</sup>/LJ. A single LYRICA treated subject developed severe thrombocytopenia with a platelet count less than 20 x 10<sup>3</sup>/μL. In randomized controlled trials, LYRICA was not associated with an increase in bleeding-related adverse reactions. **PR Interval Prolongation** LYRICA treatment was associated with PR interval prolongation. In analyses of clinical trial ECG data, the mean PR interval increase was 3–6 msec at LYRICA doses ≥300 mg/day. This mean change difference was not associated with an increased risk of PR increase ≥25% from baseline, an increased percentage of subjects with on-treatment PR >200 msec, or an increased risk of PR prolongation or third degree AV block. Subgroup analyses did not identify an increased risk of PR prolongation in patients with baseline PR prolongation or in patients taking other PR prolonging medications. However, these analyses cannot be considered definitive because of the limited number of patients in these categories. **ADVERSE REACTIONS** 

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 year or longer, and over 1400 patients were treated for 1 year or longer, and over 1400 patients were treated for 1 year or longer, and over 1400 patients were treated for 1 year or longer, and over 1400 patients were treated with placebo discontinued prematurely due to adverse reactions. In the 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 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 and 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 undemanded in a controlled trials of all patient populations combined, dizziness, somnolence, dry mouth, edema, blurred vision, weight gain, and "thinking abnormal" (primarily difficulty with concentration) were more commo 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".

Table 1 Treatment-emergent adverse reaction incidence in controlled trials in Neuropathic Pain Associated with Diabetic Peripheral Neuropathy (Events in at least 1% of all LYRICA-treated patients and at least numerically more in all LYRICA than in the placebo group)

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	6	4	3
Back pain	Ō	2	1	2	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	5	7	5	1
Constipation	0	2	4	6	4	2
Flatulence	3	0	2	3	2	1
Metabolic and						
nutritional disorde	ers					
Peripheral edema	4	6	9	12	9	2
Weight gain	0	4	4	6	4	0
Edema	0	2	4	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	4	3	1
Vertigo	1	2	2 2	4	3	1
Confusion	0	1	2	3	2	1
Euphoria	0	0	3	2	2	0
Incoordination	1	0	2	2	2	0
Thinking abnormal <sup>†</sup>		0	1	3	2	0
Tremor	1	1	1	2 2 3 2 3	1	0
Abnormal gait	1	0	1	3	1	0
Amnesia	3	1	0	2	1	0
Nervousness	0	1	1	1	1	0
Respiratory system	n					
Dyspnea	3	0	2	2	2	1
Special senses						
Blurry vision <sup>‡</sup>	3	1	3	6	4	2
Abnormal vision	1	0	1	1	1	0

g/dL). Ribavirin dosage was similar in both groups, indicating that those taking the study drug were able to maintain their ribavirin dosage.

By the end of the trial, undetectable HCV RNA was seen in 69% of erythropoietin-treated patients and 60% of placebo patients. However, Dr. Yoshida noted there was a high dropout rate (42% of erythropoietin patients and 50% of placebo patients), which makes it difficult to conclude that the difference in percentage of patients with undetectable HCV RNA was related to erythropoietin therapy.

A second study randomized 185 patients to placebo or erythropoietin for 8 weeks,

after which eligible patients from both groups entered into an 8-week open-label trial (Gastroenterology 2004;126:1302-11).

By the end of the first 8 weeks, significantly more erythropoietin-treated patients than placebo patients were still taking their baseline ribavirin dose (88% vs. 60%, respectively). At the end of the crossover phase, prior placebo patients had increased their ribavirin dosage significantly, from a mean of 852 mg/day to a mean of 921 mg/day.

Baseline hemoglobin levels (11 g/dL in both groups) rose to 13 g/dL in the erythropoietin group by the end of the first 8 weeks, but remained unchanged in the placebo group. By the end of the open-label phase, mean hemoglobin levels in prior placebo patients were the same as those in patients who had taken erythropoietin for the entire study (13 g/dL).

A post hoc analysis concluded that erythropoietin-treated patients also reported significant improvements in their quality of life (Hepatology 2004;40:1450-8). The importance of quality-of-life benefits should not be underestimated in hepatitis patients, Dr. Yoshida said, because quality-of-life scores of HCV patients on treatment can be lower than those of patients with diabetes and congestive heart failure.

The study found no significant differ-

ences between groups in HCV RNA levels.

These trials raise yet more questions, Dr. Yoshida said. The hemoglobin level that should trigger erythropoietin treatment is still unclear.

There are also no firm data on the duration of erythropoietin treatment that is beneficial, and the studies performed to date offer little guidance.

Still, noted Dr. Yoshida, the drug's expense along with its unproven survival benefit are enough to signal caution to many providers. "Hopefully, future trials will address these questions," he said.

Dr. Yoshida declared no financial interest in any hematopoietic agent.

Thinking abnormal primarily consists of events related to difficulty with concentration/attention but also cludes events related to cognition and language problems and slowed thinking restigator term; summary level term is amblyopia.

\*Investigator term; summary level term is ambiyopia.

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 placebo discontinued prematurely due to adverse reactions. In the LYRICA treatment group, the most common reasons for discontinuation due to adverse reactions were dizziness (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%), and though the placebo group, were confusion (2%). from the trais, occurring in greater frequency in the LYRILA 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 2 lists all 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. In addition, an event is included, even if the incidence in the all LYRICA group is not greater than in the placebo group, if the incidence of the event in the 600 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".

Table 2 Treatment-emergent adverse event incidence in controlled trials in Neuropathi Associated with Postherpetic Neuralgia (Events in at least 1% of all LYRICA-treated pa at least numerically more in all pregabalin than in the placebo group)

Body System - Preferred term	75 mg/d [N=84] %	150 mg/d [N=302] %	300 mg/d [N=312] %	600 mg/d [N=154] %	AII PGB* [N=852] %	Placebo [N=398] %
Body as a whole						
Infection	14	8	6	3	7	4
Headache	5	9	5	8	7	5
Pain	5	4	5			4
Accidental injury	4	3	5 3 2	5 5	5 3 2 2	2
Flu syndrome	1	3 2 2	2	1	2	1
Face edema	Ó	2	ī	3	2	1
Digestive system						
Dry mouth	7	7	6	15	8	3
Constipation	4	5	5	5	5	2
Flatulence	2	1	2		2	1
Vomiting	1	1	2	3	2	1
Metabolic and						
nutritional disorde	ers					
Peripheral edema	0	8	16	16	12	4
Weight gain	1	2	5	7	4	0
Edema	0	1	2	6	2	1
Musculoskeletal						
system						
Myasthenia	1	1	1	1	1	0
Nervous system						
Dizziness	11	18	31	37	26	9
Somnolence	8	12	18	25	16	5
Ataxia	1	2	5	9	5	1
Abnormal gait	0	2 2 2 2	4	8	4	1
Confusion	1	2	3	7	3	0
Thinking abnormal	† O	2	1	6	3 2 2	2
Incoordination	2	2	1	3	2	0
Amnesia	0	1	1	4	2	0
Speech disorder	0	0	1	3	1	0
Respiratory system	m					
Bronchitis	0	1	1	3	1	1
Special senses						
Blurry vision <sup>‡</sup>	1	5	5	9	5	3
Diplopia	0	2	2 2	4	2 2	0
Abnormal vision	0	1	2	5 2	2	0
Eye disorder	0	1	1	2	1	0
Urogenital system	ı					
Urinary						
incontinence	0	1	1	2	1	0

\*Investigator term; summary level term is amblyopia.

Controlled Add-On Studies in Adjunctive Therapy for Adult Patients with Partial Onset Seizures Adverse Reactions Leading to Discontinuation Approximately 15% of patients receiving LYRICA and 6% of patients receiving placebo in add-on epilepsy trials discontinued prematurely due to adverse reactions. In the LYRICA treatment group, the adverse reactions most frequently leading to discontinuation were dizziness (6%), ataxia (4%), and somnolence (3%). In comparison, <1% of patients in the placebo group withdrew due to each of these events. Other adverse reactions that led to discontinuation of at least 1% of patients in the LYRICA group and at least twice as frequently compared to the placebo group were asthenia, diplopia, blurred vision, thinking abnormal, nausea, tremor, vertigo, headache, and confusion (which each led to withdrawal in 2% or less of patients). Most Common Adverse Reactions Table 3 lists all dose-related adverse reactions occurring in at least 2% of all LYRICA-treated patients. Dose-relatedness was defined as the incidence of the adverse event in the 600 mg/day group was at least 2% greater than the rate in both the placebo and 150 event in the 600 mg/day group was at least 2% greater than the rate in both the placebo and 150 mg/day groups. In these studies, 758 patients received LYRICA and 294 patients received placebo for up to 12 weeks. Because patients were also treated with 1 to 3 other AEDs, it is not possible to determine whether the following adverse reactions can be ascribed to LYRICA alone, or the combination of LYRICA and other AEDs. A majority of pregabalin-treated patients in clinical studies had adverse reactions with a maximum intensity of "mild" or "moderate".

Table 3 Dose-related treatment-emergent adverse reaction incidence in controlled trials in adjunctive therapy for adult patients with partial onset seizures (Events in at least 2% of all LYRICA treated patients and the adverse reaction in the 600 mg/day group was ≥2% the rate in both the placebe and 150 mg/day groups.

piaceso ana 150 mg/aay groups/								
Body System - Preferred term	150 mg/d [N=185] %	300 mg/d [N=90] %	600 mg/d [N=395] %	All PGB* [N=670] <sup>†</sup> %	Placebo [N=294] %			
Body as a whole	7	11	10	0	-			
Accidental injury	/	11	10	9	5			
Doin	2	2	E .	Λ	2			

Digestive system Increased appetite Dry mouth Constipation Metabolic and	2 1 1	3 2 1	6 6 7	5 4 4	1 1 2
nutritional disorders Weight gain	5	7	16	12	1
Peripheral edema	3	3	6	5	2
Nervous system Diziness Somnolence Ataxia Tremor Thinking abnormal* Amnesia Speech disorder Incoordination Abnormal gait Twitching Confusion Myoclonus	18 11 6 3 4 3 1 1 1 0 1	31 18 10 7 8 2 2 2 3 3 3 4 2	38 28 20 11 9 6 7 6 5 5 5	32 22 15 8 8 5 5 4 4 4 4 4	11 11 4 4 2 2 1 1 0 1 2
Special senses Blurred vision <sup>s</sup> Diplopia Abnormal vision	5 5 3	8 7 1	12 12 5	10 9 4	4 4 1

Controlled Studies with Fibromyalgia, 19% of patients treated with pregabalin (150–600 mg/day) and 10% 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 comparison, <1% of placebo-treated patients withdrew due to dizziness and somnolence. Other reasons for discontinuation from the trials, occurring with greater to utziness and somnotence. Uther 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 4 lists all adverse reactions, regardless of causality, occurring in ≥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".

Table 4 Treatment-emergent adverse reaction incidence in controlled trials in Fibromyalgia (Events in at least 2% of all LYRICA-treated patients and occurring more frequently in the all pregabalin-group than in the placebo treatment group)

System Organ Class	150 mg/d [N=132]	300 mg/d [N=502]	450 mg/d [N=505]	600 mg/d [N=378]	AII PGB* [N=1517]	Placebo [N=505]	
- Preferred term	%	%	%	%	%	%	
Ear and Labyrintl	n Disorde	ers					
Vertigo	2	2	2	1	2	0	
Eye Disorders							
Vision blurred	8	7	7	12	8	1	
Gastrointestinal	Disorder						
Dry mouth	7	6	9	9	8	2	
Constipation	4	4	7	10	7	2	
Vomiting	2	3	3	2	3	2	
Flatulence	1	1	2	2	2	1	
Abdominal distens		2	2	2	2	1	
General Disorder							
Fatigue	5	7	6	8	7	4	
Edema peripheral		5	6	9	6	2	
Chest pain	2	1	1	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 In	festation	s					
Sinusitis	4	5	7	5	5	4	
Investigations							
Weight increased	8	10	10	14	11	2	
Metabolism and	Nutrition	Disorders					
Increased appetit	e 4	3	5	7	5	1	
Fluid retention	2	3	3	2	2	1	
Musculoskeletal	and Con	nective Tissi	ie Disorders				
Arthralgia	4	3	3	6	4	2	
Muscle spasms	2	4	4	4	4	2	
Back pain	2	3	4	3	3	3	
Nervous System	Disorder	s					
Dizziness	23	31	43	45	38	9	
Somnolence	13	18	22	22	20	4	
Headache	11	12	14	10	12	12	
Disturbance in	4	4	6	6	5	1	
attention							
Balance disorder	2	3	6	9	5	0	
Memory impairme	ent 1	3	4	4	3	0	
Coordination abnor		ī	2	2	2	1	
Hypoaesthesia	2	2	3	2	2	1	
Lethargy	2	2	ĭ	2	2	Ö	
Tremor	Ō	1	3	2	2	Ŏ	
Psychiatric Diso	rdore		-	-	-	-	
Euphoric Mood	ruers 2	5	6	7	6	1	
Confusional state		2	3	4	3	Ö	
Anxiety	2	2	2	2	2	1	
Allxieth		۷ .	2	_	2	1	

Thinking abnormal primarily consists of events related to difficulty with concentration/attention but also includes events related to cognition and language problems and slowed thinking. Investigator term; summary level term is amblyopia.

<sup>\*</sup>PGB: pregabalin

Excludes patients who received the 50 mg dose in Study E1 (included in full prescribing information).

Thinking abnormal primarily consists of events related to difficulty with concentration/attention but a events related to cognition and language problems and slowed thinking.

Investigator term; summary level term is amblyopia.