Depression Shows a Different Face With Epilepsy

BY BRUCE JANCIN Denver Bureau

BRECKENRIDGE, COLO. — Depression has an atypical presentation in people with epilepsy, but recognizing and treating depression can significantly improve quality of life for patients carrying the dual diagnoses, Lauren C. Frey, M.D., said at a conference on epilepsy syndromes sponsored by the University of Texas at San Antonio.

Findings from recent studies demon-

Campral

(acamprosate calcium) **Delayed-Release Tablets**

Rx only

Brief Summary: For complete details, please see full Prescribing Information for CAMPRAL

INDICATIONS SAID USAGE CAMPRAL (acamprosate calcium) is indicated for the maintenance of abstinence from alcohol in patients with alcohol dependence who are abstinent at treatment initiation. Treatment with CAMPRAL should be part of a com-prehensive management program that includes psychosocial support. The efficacy of CAMPRAL in promoting abstinence has not been demonstrated in subjects who have not undergone detoxification and not achieved alco-hol abstinence prior to beginning CAMPRAL treatment. The efficacy of CAMPRAL in promoting abstinence from alcohol in polysubstance abusers has not been adequately assessed.

CONTRAINDICATIONS

CAMPRAL is contraindicated in patients who previously have exhibited hypersensitivity to acamprosate calcium or any of its components. CAMPRAL is contraindicated in patients with severe renal impairment (creatinine clearance <30 mL/min).

Learning locate is excreted in numan milk. Because many drugs are excreted in human milk, caution should be exer-cised when CAMPRAL is administered to a nursing woman. **Pediatric Use** The safety and efficacy of CAMPRAL have not been established in the pediatric population. **Cerioritric Use** The safety and efficacy of CAMPRAL billind, placebo-controlled, clinical trials of CAMPRAL were 65 years of age or older, while none were 75 years of age or over. There were too few patients in the ≥65 age group to evaluate any differences in safety or effective-ness for geriatric patients compared to younger patients. This drug is known to be substantially excreted by the kidney, and the risk of toxic reactions to this drug may be greater in patients with impaired renal function. Because elderly patients are more likely to have decreased renal function, care should be taken in does selection, and it may be useful to monitor renal function (See CLINICAL PHARMACOLOGY, ADVERSE REACTIONS, and DOSAGE AND ADMINISTRATION).

ADVERSE REACTIONS

ADVERSE REACTIONS The adverse event data described below reflect the safety experience in over 7000 patients exposed to CAMPRAL for up to one year, including over 2000 CAMPRAL-exposed patients who participated in placebo-controlled trials. Adverse Events Leading to Discontinuation in placebo-controlled trials of 6 months or less, 8% of CAMPRAL-treated patients discontinued treatment due to an adverse event, as compared to 6% of patients treat-ed with placebo. In studies longer than 6 months, the discontinuation rate due to adverse events was 7% in both the placebo-treated and the CAMPRAL-treated patients. Only diarnhea was associated with the discontinuation of more than 1% of patients (2% of CAMPRAL-treated vs. 0.7% of placebo-treated patients). Other events, including nausea, depression, and ankiety, while accounting for discontinuation in less than 1% of patients, were neverthe-less more commonly cited in association with discontinuation in CAMPRAL-treated patients to more servents were collected spontaneously in some controlled studies and using a checklist in other studies. The overall profile of adverse events was similar using either method. Table 1 shows those events that occurred in any CAMPRAL

strate that depression is a major driver of poor quality of life in patients with epilepsy. It also markedly increases their health care utilization, added Dr. Frey, a neurologist at the University of Colorado, Denver. Preliminary evidence shows that anti-

depressant medication is safe and effective in epileptic patients, she continued.

Several years ago Andres M. Kanner, M.D., and colleagues at Rush Medical College, Chicago, first described a series of 97 patients with epilepsy considered by their treating neurologists to have depression sufficiently severe to warrant antidepressant medication. Of these 97 patients, 69 had atypical symptom patterns that didn't fulfill DSM criteria for a major depressive disorder or any other affective disorder. The absence of a definitive DSM diagnosis shouldn't put the brakes on appropriate treatment of these patients, Dr. Frey said.

Although these patients had some changes in sleep, appetite, and concentration, the most prominent manifestations

treatment group at a rate of 3% or greater and greater than the placebo group in controlled clinical trials with spontaneously reported adverse events. The reported frequencies of adverse events represent the proportion of individuals who experienced, at least once, a treatment-emergent adverse event of the type listed, without regard to the causal relationship of the events to the drug.

Body System/ Preferred Term	CAMPRAL 1332 mg/day	CAMPRAL 1998 mg/day ¹	CAMPRAL Pooled ²	Placebo
Number of Patients in Treatment Group	397	1539	2019	1706
Number (%) of Patients with an AE	248(62%)	910(59%)	1231(61%)	955 (56%)
Body as a Whole	121 (30%)	513(33%)	685 (34%)	517(30%)
Accidental Injury*	17 (4%)	44 (3%)	70 (3%)	52 (3%)
Asthenia	29 (7%)	79 (5%)	114(6%)	93 (5%)
Pain	6 (2%)	56 (4%)	65 (3%)	55 (3%)
Digestive System	85 (21%)	440 (29%)	574(28%)	344 (20%)
Anorexia	20 (5%)	35 (2%)	57 (3%)	44 (3%)
Diarrhea	39 (10%)	257(17%)	329(16%)	166(10%)
Flatulence	4 (1%)	55 (4%)	63 (3%)	28 (2%)
Nausea	11 (3%)	69 (4%)	87 (4%)	58 (3%)
Nervous System	150(38%)	417 (27%)	598 (30%)	500 (29%)
Anxiety**	32 (8%)	80 (5%)	118(6%)	98 (6%)
Depression	33 (8%)	63 (4%)	102(5%)	87 (5%)
Dizziness	15 (4%)	49 (3%)	67 (3%)	44 (3%)
Dry mouth	13 (3%)	23 (1%)	36 (2%)	28 (2%)
Insomnia	34 (9%)	94 (6%)	137(7%)	121(7%)
Paresthesia	11 (3%)	29 (2%)	40 (2%)	34 (2%)
Skin and Appendages	26 (7%)	150(10%)	187 (9%)	169(10%)
Pruritus	12 (3%)	68 (4%)	82 (4%)	58 (3%)
Sweating	11 (3%)	27 (2%)	40 (2%)	39 (2%)

*includes events coded as "fracture" by sponsor; *includes events coded as "nervousness" by sponsor ¹ includes 258 patients treated with acamprosate calcium 2000 mg/day, using a different dosage strength and regimen. ² includes all patients in the first two columns as well as 83 patients treated with acamprosate calcium 3000 mg/day, using a different dosage strength and regimen.

Other Events Observed During the Premarketing Evaluation of CAMPRAL

The second se

DRUG ABUSE AND DEPENDENCE

Controlled Substance Class Acamprosate calcium is not a controlled substance. Physical and Psychological Dependence CAMPRAL did not produce any evidence of withdrawal symptoms in patients in clinical trials at therapeutic doses. Post marketing data, collected retrospectively outside the U.S., have provided no evidence of CAMPRAL abuse or dependence.

In all reported cases of acute overdosage with CAMPRAL (total reported doses of up to 56 grams of acamprosate calcium), the only symptom that could be reasonably associated with CAMPRAL was diarrhea. Hypercalcemia has not been reported in cases of acute overdose. A risk of hypercalcemia should be considered in chronic overdosage only. Treatment of overdose should be symptomatic and supportive.

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of their depression were intermittent anhedonia, irritability, and poor tolerance of frustration. They also displayed mood lability, anxiety, and fatigue, with some symptom-free days.

Comorbid symptoms of depression and worry about seizures were the two strongest predictors of quality of life in a series of 115 patients with medically intractable epilepsy recently reported by David W. Loring, M.D., and coinvestigators at the University of Florida, Gainesville, and quoted by Dr. Frey.

In regression analysis, depressive symptoms as measured by the Beck Depression Inventory (BDI) and Seizure Worry, from the Epilepsy Foundation of America Concerns Index, together explained 61% of the variance in Quality of Life in Epilepsy (QOLIE-89) scores. No one of the other statistically significant predictors of QOLIE-89 score, including education level and age at seizure onset, explained more than 6% of the variation (Epilepsy Behav. 2004;5:976-80).

The adverse effect comorbid depression exerts on use of health care resources by epilepsy patients was underscored in a re-



Only 47% of patients with symptoms of severe depression were on antidepressants.

DR. FREY

cent study by Joyce Cramer and colleagues at Yale University, New Haven. In their national postal survey of people with epilepsy, 443 respondents had no symptoms of depression on the widely used Centers for Epidemiologic Studies Depression Scale (CES-D), while 74 had mild to moderate depressive symptoms and 166 had severe symptoms.

People with epilepsy and comorbid mild to moderate depressive symptoms had twice as many visits to medical doctors in the past year, compared with nondepressed respondents. Those with severe depressive symptoms had four times as many visits (Epilepsy Behav. 2004;5:337-42).

The most disturbing survey finding, said Dr. Frey, was that a mere 47% of respondents with current symptoms of severe depression were on antidepressant medication. Complete resolution of depressive symptoms was achieved in 54% of the 100 patients on a mean dose of 108 mg/day of sertraline. That's a therapeutic success rate comparable to nonepileptic populations.

The main aim of the study, was to look at the safety of sertraline in an epileptic population, a valid concern because an earlier generation of antidepressants-the tricyclics—are known to lower the seizure threshold.

One patient's seizures were definitely worse on sertraline. Five had worse seizures, probably related to the drug; seizure frequency returned to baseline in all five cases upon upward adjustment of antiepileptic drug doses.