Radiotherapy Precisely Targets Acoustic Neuromas

BY BRUCE JANCIN Denver Bureau

DENVER — Use of fractionated stereotactic radiotherapy provides excellent local control of acoustic neuroma with lower rates of facial sensory and motor nerve damage than neurosurgery, Stephanie E. Combs, M.D., said at the annual meeting of the American Society for Therapeutic Radiology and Oncology.

Applying radiotherapy on a fractionat-

LYRICA® (PREGABALIN) CAPSULES © RIEF SUMMARY: For full prescribing information, see package insert. INDICATIONS AND USAGE INDICATIONS AND USAGE UVIRCA is indicated for management of • Neuropathic pain associated with diabetic peripheral neuropathy • Postterpetic neuralgia LYRICA is indicated as adjunctive therapy for adult patients with partial onset seizures.

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

LYHLCA is contratindicated in patients with known hypersensitivity to prograding or any or no surgenzate. WARNINGS Withdrawal of Antiepileptic Drugs (AEDs) As with all AEDs, pregabalin should be withdrawn gradually to minimize the potential of increased seizure frequency in patients with seizure disorders. If pregabalin is discontinued this should be done gradually over a minimum of 1 week, **Tumorigenic Potential** In standard preclinical in *vivo* lifetime carcinogenicity studies of pregabalin, an unexpectedly high incidence of hemangiosarcoma was identified in two different strains of mice (see **PRECAUTIONS: Carcinogenesis, Mutagenesis, Impairment of Fertility**). The clinical significance of this finding is unknown. Clinical experience during pregabalin's 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-knowdege of the background incidence and recurrence 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.

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ed schedule allows delivery of higher doses to the tumor while avoiding the morbidity in normal tissues that occurs with single-dose radiosurgery, said Dr. Combs of the University of Heidelberg, Germany.

She presented a prospective uncontrolled study of 108 patients regularly followed for a median of 48.5 months after undergoing linear accelerator-based fractionated stereotactic radiotherapy (FSRT) for acoustic neuroma. The tumor was associated with neurofibromatosis in 13 patients. Of the 108 patients, 85 had not undergone any treatment prior to FSRT; the remainder underwent FSRT as a salvage procedure for tumor recurrence or progression after neurologic resection.

Actuarial local tumor control after FSRT was 94.3% at 3 years and 93% at 5 years, regardless of tumor size, the presence of neurofibromatosis, or patient age.

Of patients with serviceable hearing prior to FSRT, 94% demonstrated preservation of useful hearing at 5 years. Of the 18 patients who had facial nerve dysfunction prior to FSRT, all but 3 developed the problem secondary to neurosurgery. The rate of new-onset facial nerve dysfunction after FSRT was 2.3%; affected patients had neurofibromatosis and large volumes of irradiated tissue.

Moderate irreversible radiation-induced damage to the trigeminal nerve developed in 3.4% of patients. No new severe damage to the nerve developed as a result of FSRT, she said.

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ADVERSE REACTIONS

ADVERSE REACTIONS In all controlled and uncontrolled trials across various patient populations during the premarketing development of pregabalin, more than 10,000 patients have received pregabalin. Approximately 5000 patients were treated for 6 months or more, over 3100 patients have received pregabalin. Approximately 5000 patients were treated for 8 months or more, over 3100 patients have received pregabalin. Approximately 5000 patients were treated for a least 2 years. Adverse Events Most Commonly Leading to Discontinuation in All Controlled Clinical Studies In controlled discontinued prematurely due to adverse events. In the pregabalin treatment group, the adverse events most frequently leading to discontinuation were dizziness (4%) and somnolence (3%). In the placebo group, 1% of patients withdrew due dizziness and <1% withdrew due to somnolence. Other adverse events that led to discontinuation from controlled trials more frequently in the pregabalin group compared to the placebo group were ataxia, confusion, asthenia, thinking abnormal. Diverd vision, necordination, and peripheral edema (1% each). Most Common Adverse Events in Ali Controlled Clinical Studies in controlled trials of all patient populations combined, dizziness, somnolence, dhy mouth, edema, blurred vision, needification of the diverse events that led to discontinuation of the origonesis of that seen in placebol. Controlled Studies with Neuropathy difficulty with concentration/attention) were more commonly reported by subjects treated with placebo (B2% and twice the rate of that seen in placebol. Controlled Studies with Neuropathy. Patients with neuropathy, gw of patients treated with placebo (B2%, and twice the rate of that seen in placebol. Controlled Studies with Neuropathy, the most common reasons for discontinuation due to adverse events. In the pregabalin and 4% of patients treated with placebo discontinued prematurely due to adverse events. In the pregabalin group, the most common reasons for discontinued the discontinue were diverse e

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