Early Motor Symptoms May Predict Parkinson's

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otor symptoms, including stiffness, tremors, and imbalance, are associated with a significantly increased risk of later Parkinson's disease.

"Subjective complaints related to motor function might indicate a very early phase of not-yet-diagnosable Parkinson's disease during which dopamine loss is not sufficient to produce overt typical PD symptoms but may result in subtle signs that are very mild or only intermittently present and therefore not likely to be detected in routine screening examination," wrote Dr. Lonneke M. L. de Lau and colleagues (Arch. Neurol. 2006;63:doi:10.1001/archneur.63.3.noc50312).

Dr. de Lau of Erasmus Medical Center, Rotterdam, the Netherlands, prospectively followed 6,038 elderly patients (mean age 69 years) who were free of dementia and parkinsonian signs at baseline.

At baseline, 52% of the subjects reported at least one of the five typical features of the disease: stiffness (32%), tremor (11%), slow movement (21%), feeling of imbalance (11%), and falling (15%).

After a mean of 6 years' follow-up, 56 subjects had developed Parkinson's. Of those, 72% had reported at least one motor symptom during the initial assessment, and 41% had reported at least two symptoms.

Complaints of stiffness and tremor at baseline were each associated with more than a twofold increase in the risk of the disease, while a feeling of imbalance was associated with more than a threefold increased risk. Self-reported falling and slow movement were not significantly associated with an increased risk.

If a preclinical screening tool could be developed, the investigators said, it might be able to identify a window of opportunity where neuroprotective medication could someday slow or arrest the progress of the disease, the authors noted.

LYRICA® (PREGABALIN) CAPSULES ©

BRIEF SUMMARY: For full prescribing information, see package insert

INDICATIONS AND USAGE
LYRICA is indicated for manage

VRICA is indicated for management of

Neuropathic pain associated with diabetic peripheral neuropathy

Postherpetic neuralgia

LYRICA is indicated as adjunctive therapy for adult patients with partial onset seizures

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

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Withdrawal of Antiepileptic Drugs (AEDs) As with all AEDs, pregabalin should be withdrawn gradually to minimize the potential of increased seizure frequency in patients with seizure disorders.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 rivo lifetime rangopenicity 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 permarketing development provides no direct means to assess its potential for inducing tumors in humans. In clinical studies across various patient populations, comprising 6396 patients virtually early 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 LYRICA, it is impossible to know whether the incidence seen in these cohorts is or is not affected by treatment.

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displacement. In vitro and in vivo studies showed that LYRICA is unlikely to be involved in significant pharmacokinetic drug interactions. Specifically, there are no pharmacokinetic interactions between pregabalin and the following antiepileptic drugs: carbamazepine, valproic acid, lamortigine, phenytoin, phenobarbital, and topicantae. Important pharmacokinetic interactions were sound also not be expected to cour between pregabalin and orthogon and antiepileptic drugs. Pharmacodynamics Multiple oral doses of pregabalin were co-administered with oxycodone, lorazepan, or ethanol. Although no pharmacokinetic interactions were seen, additive effects on cognitive and gross motor functioning were seen when pregabalin was co-administered with those drugs. No clinically important effects on respiration were seen seen when pregabalin was co-administered with those drugs. No clinically important effects on respiration were seen seen when pregabalin was co-administered with those drugs. No clinically important effects on respiration were seen seen when pregabalin was considered and the maximum recommended thuran dose (MRD) of 600 metal and monkeys. The etiology of these skin lesions is unknown. At the maximum recommended thuran dose (MRD) of 600 metal and monkeys. The etiology of these skin lesions is unknown. At the maximum recommended with process are expected with ungabalin exposures (as expressed by plasma AUCs) of approximately 3 to 8 times those achieved in humans given the maximum recommended dose (MRD) of 600 mg/day, hore is the MRD. No increase in incidence of skin lesions was observed in clinical studies. Ocular Lesions ocusial reliable exposures (AUC) BZ times those achieved in humans given the maximum recommended dose of 600 mg/day. An oeffect dose for ocular lesions was not established. Similar lesions were not observed in lifetime carcinogenicity studies in works of mice or in monkeys treated for 1 year. Carcinogenesis, Mutagenesis, Impairment of Fertility. Carcinogenesis A dose-dependent increase in the inc system functional migratinesh, were deserved in the outspan of the stand adouts given fregulation using pregulative, and seek (MRID) of 600 mg/day. When pregnant rats were given pregabalin (500, 1250, or 2500 mg/kg) orally throughout the period of organogenesis, incidences of specific skull alterations attributed to abnormally advanced ossification (premature fusion of the jugal and nasal sutures) were increased at B1250 mg/kg, and incidences of skeletal variations and retarded ossification were increased at all doses. Fetal body weights were decreased at the highest close. The low doses. The low doses in this study was associated with a plasma exposure (AUC) approximately 17 times human exposure at the MRID of 600 mg/day. A no-effect dose for rat embryo-fetal developmental toxicity was not established. When pregnant rabbits were given pregabalin (250, 500, or 1250 mg/kg) orally throughout the period of organogenesis, decreased fetal body weight and increased incidences of skeletal malformations, visceral variations, and retarded ossification were observed at the highest dose. The on-effect dose for developmental toxicity in rabbits (500 mg/kg) was associated with a plasma exposure approximately 16 times human exposure at the MRID. In a study in which female rats were dosed with pregabalin (50, 100, 250, 1250,

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 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 at least 2 years.

Adverse Events Most Commonly Leading to Discontinuation in All Controlled Clinical Studies in controlled trials of all populations combined, 14% of patients treated with pregabalin and 7% of patients treated with placebo discontinual 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 to obtained where we to adverse events that led to discontinuation from confolial trials more frequently in the pregabaling group compared to the placebo group were ataxia, confusion, asthenia, thinking abnormal, blurred vision, incoordination, and peripheral edema (1% each). Most Common Adverse Events in All Controlled Clinical Studies in controlled trials of all patient populations combined, dizziness, somnolence, dy mouth, edema, blurred vision, weight gain, and "thinking abnormal" (primarily difficulty with concentration/attention) were more commonly reported by subjects treated with pregabalin than by subjects treated with placebo (B5% and twice the rate of that seen in placebo). Controlled Studies with Neuropathic Pain Associated with Diabetic Peripheral Neuropathy: Adverse Events Leading to Discontinuation In clinical trials in patients with encorpath cpain associated with diabetic peripheral neuropathy, 9% of patients treated with pregabalin and 4% of patients treated with placebo discontinued prematurely due to adverse events. In the pregabalin treatment group, the most common reasons for discontinuation due to adverse events were