## Simvastatin May Cut Alzheimer's, Parkinson's Risk

## BY AMY ROTHMAN SCHONFELD Contributing Writer

ATLANTA — Simvastatin use for at least 7 months reduced the incidence of Alzheimer's disease by 30% and Parkinson's disease by 24% in older people, according to an analysis of a Department of Veterans Affairs pharmaceutical database.

Neither lovastatin nor atorvastatin provided similar benefits.

The protective effects of simvastatin

were more prominent in people without hypertension. In this subgroup, Alzheimer's incidence was reduced by 76% and the incidence of Parkinson's disease was reduced by 65%, the study's lead investigator Dr. Benjamin Wolozin reported at the annual meeting of the Society for Neuroscience.

Dr. Wolozin, professor of pharmacology at Boston University, analyzed data from a large VA pharmaceutical database that included 4.5 million patients and more than 110 million annual medication prescriptions. Individuals were excluded if they were less than 65 years of age or had a pre-existing diagnosis of senile dementia of the Alzheimer's type.

The incidence of Alzheimer's disease among patients taking statins was compared with the incidence among patients who were not taking statins. After adjustment for age, cardiovascular disease, hypertension, and diabetes, only simvastatin use significantly lowered the incidence of Alzheimer's disease (hazard ratio 0.694).

Two different mechanisms might explain the unique effects of simvastatin, compared with those of the other two statins analyzed, Dr. Wolozin said. For atorvastatin, the inability to cross the blood-brain barrier may explain its ineffectiveness.

Lovastatin and simvastatin both reduce inflammation, explained Dr. Wolozin. Only simvastatin, however, inhibits cholesterol strongly enough to reduce inflammation sufficiently to protect against Alzheimer's or Parkinson's disease.

≥240 mg/dL and triglycerides ≥200 mg/dL were 16% and 23% for SEROQUEL treated patients respectively compared to 7% and 16% fo

for placebo) and hypotension (0.4% vs 0% for placebo) were considered to be drug related (see PRECAUTIONS). Adverse Ever an Incidence of 1% or More Among SEROQUEL Treated Patients in Short-Term, Placebo-Controlled Triats: The following trea

Card charge of the interference of the inte SEROQUEL® (quetiapine fumarate) Tablets BRIEF SUMMARY of Prescribing Information—Before prescribing, please consult complete Prescribing Information There solumnary of presering monnaton—before presering, please consum complete rrestriang monnaton. Increased Montality in Eldery Patients with Dementia-Related Psychosis: Eldery patients with dementia-related psychosis treated atypical antipsychotic drugs are at an increased risk of death compared to placebo. Analyses of seventeen placebo-controlled trials (n duration of 10 weeks) in these patients revealed a risk of death in the drug-treated patients of between 1.6 to 1.7 times that seen in place treated patients. Over the curse of a typical 10 week controlled trial, the rate of death were varied, most of the deaths appeared to be ex cardiovascular (e.g., heart failure, sudden death) or interclose (e.g., penumonia) in nature. SEROQUEL (quetiapine) is not approved to treatment of patients with Dementia-Related Psychosis. Cardinaccular (eg., nearti andre, Sudverstand, et al., de microsofte, et al., INDICATIONS AND USAGE: Bipolar Disorder: SEROQUEL is indicated for the treatment of both: • depressive episodes associated with bipolar disorder. • acute manic episodes associated with bipolar 1 disorder as either monotherapy or adjunct therapy to lithium or divalproex. Depression: The efficacy of SEROQUEL was established in two identical 8-week nanomized, piacebo-controlled double-bind clinical studies that included either bipolar I or 11 guitents. Effectiveness has not been systematically evaluated in clinical trials for more than 8 weeks. Mania: The efficacy of SEROQUEL in acute bipolar mania was established in two 12-week monotherapy trials and one 3-week dipurct therapy trial of bipolar I patients initially hospitalized for up to 7 days for acute mania. Effectiveness has not been systematically evaluated in clinical trials for more than 8 weeks in adjunct therapy. The ophysician who elects to use SEROQUEL for extended periods in bipolar disorder should periodically re-evaluate the long-term risks and benefits of the drug for the individual patient. **Schizophrenia**: SEROQUEL in schizophrenia SEROQUEL in schizophrenia SEROQUEL in schizophrenia was established on short-term (6-week) controlled trials of schizophrenic inpatients. The effectiveness of SEROQUEL in schizophrenia was established in short-term (6-week) controlled trials of schizophrenic inpatients. The effectiveness of SEROQUEL in schizophrenia was established on schi-term (6-week) controlled trials pervaluated in controller drias. Therefore, the physician who elects to use SEROQUE to rectande periodically re-evaluate the long-term usefulness of the drug for the individual patient. **Chizophrenia** is contrainficated in the long-term usefulness of the drug for the individual patient. Experience of the study periodical re-evaluation theory in terrapy, interpretation more that to be Schuld Let for Reinfold periodical re-evaluate the program is as a transmission of the fundy particular base of the structure of the structure

ang. PRECAUTIONS: General: Orthostatic Hypotension: SEROQUEL may induce orthostatic hypotension associated with dizziness, tachycardia and, in some nations: superna, especially during the initial desuttration period, probably reflection its α, adrenargie antaonist properties. Superna

s, syncope, especially during the initial dose-titration period, probably reflecting its  $\alpha$ , adrenergic antagonist propertit 1% (28/3265) of the patients treated with SEROOUEL, compared with 0.2% (2/934) on placebo and about 0.4% (2/52 FROULEL should be used with particular caution in patients with known cardivvascular disease (history or myocard rt disease, heart failure or conduction abnormalities), cerebrovascular disease or conditions which would predispose Solellin hard rubeads, inselt tabuto of production elements, because medications). The risk of orthostatic hypotension and s minimized by limiting the initial does to 25 mg bid. If hypotension occurs during titration to the target does, a return to the preve littation schedule is appropriate. Cataracts: The development of cataracts was observed in association with quettapine to romic dog studies. Lens changes have also been observed in patients during long-term SERDOUEL treatment, but a causal SERDOUEL uses han to been established. Nevertheless, the possibility of lenticular changes cannot be excluded at this time canination of the lens by methods adequale to detect cataract formation, such as sill tamp exam or other appropriately sensiti recommended at initiation of treatment or shortly thereafter, and a 16 month intervals during chonic treatment, but acusal skipper stream or the science threshold, eg. Athelmerie Sementa. Conditions that lower the science threshold may be more pupulation of 55 years or older. Hypothyroidism: Clinical trials with SEROOUEL compared to 0.2% (2954) on placebo and 0.7% (4/5 into 1 drugs. As with other antipsycholics SEROQUEL should be used cautioux) in patients with a history of sacures or with co traintally lower the science threshold, eg. Athelmerie Gementa. Conditions that lower the secure threshold may be more pupulation of 55 years or older. Hypothyroidism: Clinical trials with SEROOUEL demonstrated a dose-related decrease in total and ft an intervalent 20% at the higher end of the therapeutic odes range and was maximal in the first two to tour weeks of the anitation effects on total more 1, "Exceptive of the duration of tratement. About 0.7% (26/2489) of SEROOUEL generate TSH increases in monotherapy studies. Six of the patients with TSH increases needed replacement thyroid tratement. Injunct studies, where SEROOUEL was added to lithing or dynamic and the relatement theratement. A placebo treated patients had elevated TSH levels. In the SEROOUEL treated patients with elevated mia and treatment with antihyperte