Don't Overlook Elderly Patients' Religious Beliefs

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PHILADELPHIA — Religious and spiritual beliefs often play an important role in the lives of the elderly and should be taken into account by health care workers who care for geriatric patients.

Physicians and others who care for the elderly should take a spiritual history of their patients following the FICA model: faith, importance, community, and addressing spiritual needs, Kathleen L. Egan, Ph.D., said at a conference sponsored by the American Society on Aging.

This means asking patients if they have a faith, how important it is to them, whether they belong to a faith community, and whether they have a spiritual need that requires action, said Dr. Egan, director of geriatrics education at the Institute on Aging at the University of Pennsylvania.

Also ask elderly patients if their religious and spiritual beliefs provide them comfort or stress, if their beliefs might influence or conflict with their medical care. and if other members of their religious community are supportive. But the caregiver should not proselytize, insist on taking a spiritual history if the patient doesn't wish to give one, argue with the patient, or give spiritual counseling. If the patient asks to pray with the caregiver, it should only be done if the caregiver is comfortable with the request.

The spiritual assessment could be done

by a physician, nurse, social worker, or whoever else has the opportunity.

Patients aged 75 or older come from a generation that, in general, grew up in religious households, Dr. Egan said. Recent results from national polls showed that among people in this age group, 95% believe in God or a higher power, 80% belong to a religious organization, 75% say that religious spirituality is very important to them, and about 55% attend religious services at least weekly.

VYTORIN® (ezetimibe/simvastatin) Brief Summary of Prescribing Information CONTRAINDICATIONS

Hypersensitivity to any component of this medication. Active liver disease or unexplained persistent elevations in serum transaminases (see WARNINGS, Liver Enzymes).

of unexplained pensisent elevations in serum drainsaminases (see warkining). Liver Enzymes.

Pregnancy and lactation. Atherosclerosis is a chronic process and the discontinuation of lipid-lowering drugs during pregnancy should have little impact on the outcome of long-term therapy of primary hypercholesterolemia. Moreover, cholesterol and other products of the cholesterol biosynthesis pathway are essential components for fetal development, including synthesis of steroids and cell membranes. Because of the ability of inhibitors of HMG-CoA reductase such as simvastain to decrease the synthesis of cholesterol aloposibly other products of the cholesterol biosynthesis pathway, VYTORIN is contraindicated during pregnancy and in nursing mothers. VYTORIN should be administered to women of childbearing age only when such patients are highly unlikely to conceive. If the patient becomes pregnant while taking this drug, VYTORIN should be discontinued immediately and the patient should be apprised of the potential hazard to the fetus (see PRECAUTIONS, Pregnancy). WARNINGS

patients are highly unlikely to conceive. If the patient becomes pregnant while taking this drug, WTORIN should be discontinued immediately and the patient should be apprised of the potential hazard to the fetus (see PRECAUTIONS, Pregnancy). WARNINGS Myopathy/Rhabdomyolysis: In clinical trials, there was no excess of myopathy or rhabdomyolysis associated with exetimibe compared with the relevant control arm (placebo or HMG-CoA reductase inhibitor alone). However, myopathy and rhabdomyolysis are known adverse reactions to HMG-CoA reductase inhibitors and other lipid-lovening drugs. In dinical trials, the incidence of CK-210 x the upper limit of normal [ULN] was 0.2% for VYTORIN. (See PRECAUTIONS, Skeletal Muscle.) Simvastatin, like other inhibitors of HMG-CoA reductase, occasionally causes myopathy manifested as muscle pain, tenderness or weakness with creatine kinase above 10 x ULN. Myopathy sometimes takes the form of rhabdomyolysis with or without acute renal failure secondary to myoglobinuria, and rare fatalities have occurred. The risk of myopathy is increased by high levels of HMG-CoA reductase inhibitors, the risk of myopathy is increased by high levels of HMG-CoA reductase inhibitors, the risk of myopathy is a same and the sam

merit doser monitoring. Therapy with VYTORIN snould be considered from the constraints of the constraints of

telithromyon is unavoidable, unerapy many constitutions of treatment.

Other drugs: Gemfibrozil, particularly with higher doses of VYTORIN, and other fibrates: The safety and effectiveness of ezetimibe administered with fibrates have not been established. Therefore, the concomitant use of VYTORIN and fibrates

other drugs: Cembriozal, particularly with nigher doses of vrVioRiv, and other fibrates: The safely and effectiveness of ezetimibe administered with fibrates have not been established. Therefore, the concomitant use of VYTORIN and fibrates should be avoided.

There is an increased risk of myopathy when simastatin is used concomitantly with fibrates (especially gemifibrozil). The combined use of simastatin with gemifibrozil had should be avoided, unless the benefits are likely to outweigh the increased risks of this drug combination. The dose of simastatin should not exceed 10 mg daily in aphents receiving concomitant medication with gemifibrozil. Therefore, although not recommended, if VYTORIN is used in combination with gemifibrozil, the dose should not exceed 10/10 mg daily. (See PRECAUTIONS, Drug Interactions, Other drug interactions, Fibrates.)

Niacin (=1 g/day): Caution should be used when prescribing lipid-lowering doses (=1 g/day) of niacin with VYTORIN, as niacin can cause myopathy when given alone. The benefit of further alterations in lipid levels by the combined use of VYTORIN with niacin should be carefully weighed against the potential risks of this drug combination (see PRECAUTIONS, Drug Interactions, Interactions with lipid-lowering drugs that can cause myopathy when given alone.)

Cyclosporine or danazol with higher doses of VYTORIN: The dose of VYTORIN should not exceed 10/10 mg daily in patients receiving concomitant medication with cyclosporine or danazol should be carefully weighed against the risks of these combinations. (See PRECAUTIONS, Drug Interactions). In the patients receiving cyclosporine or danazol should be carefully weighed against the risks of these combinations. (See PRECAUTIONS) are patient of the use of VYTORIN in patients receiving rounds and the patients of the section of the section of the received from proteories. Other drug interactions). In an ongoing clinical trial, myopathy has been reported in 6% of patients receiving exceeding recommendations for interaction of myo imvastatin without a calcium channel blocker (13/21,224; 0.061%). Prescribing recommendations for interacting agents are summarized in the table selow (see also PRECAUTIONS, *Drug Interactions*). Jrug Interactions Associated with Increased Risk of Myopathy/Rhabdomyolysis

Drug interactions Associated with intereased hisk of Myopathy/Midbuolityorysi				
Interacting Agents	Prescribing Recommendations			
Itraconazole Ketoconazole Erythromycin Clarithromycin Telithromycin HIV protease inhibitors Nefazodone Fibrates*	Avoid VYTORIN			
Cyclosporine Danazol	Do not exceed 10/10 mg VYTORIN daily			
Amiodarone Verapamil	Do not exceed 10/20 mg VYTORIN daily			
Grapefruit juice	Avoid large quantities of grapefruit juice			

VYTORIN® (ezetimibe/simvastatin)

Liver Enzymes

In 3 placebo-controlled, 12-week trials, the incidence of consecutive elevations (a3 x ULN) in serum transaminases was 1.7% overall for patients treated with VYTORIN and appeared to be dose-related with an incidence of 2.6% for patients treated with VYTORIN 10/80. In controlled long-term (44-week) extensions, which included both newly-treated and previously-treated patients, the incidence of consecutive elevations (a5 x ULN) in serum transaminases was 1.8% overall and 3.6% for patients treated with VYTORIN 10/80. These elevations in transaminases were generally asymptomatic, not associated with cholestasis, and returned to baseline after discontinuation of therapy or with continued treatment. It is recommended that liver function tests be performed before the initiation of treatment with VYTORIN, and thereafter when clinically indicated. Patients titrated to the 10/80-mg dose should receive an additional test prior to titration, 3 months after titration to the 10/80-mg dose, and periodically thereafter (eg, semiannually) for the first year of treatment. Patients who develop increased transaminase levels should be monitored with a second liver function evaluation to confirm the finding and be followed thereafter with frequent liver function tests until the abnormality(es) return to normal. Should an increase in AST or ALT of 3 x ULN or greater persist, withdrawal of therapy with VYTORIN is recommended.

VYTORIN should be used with caution in patients who consume substantial quantities of alcohol and/or have a past history of liver disease. Active liver diseases or unexplained persistent transaminase elevations are contraindications to the use of VYTORIN.

PRECAUTIONS

alcohol and/or have a past history of liver disease. Active liver diseases or unexplained persistent transaminase devalions are contraindications to the use of VYTORIN. PRECAUTIONS Information for Patients: Patients should be advised about substances they should not take concomitantly with VYTORIN and be advised to report promptly unexplained muscle pain, tenderness, or weakness (see below and WARNINGS, Myopathy/Rhabdormyolysis). Patients should also be advised to inform other physicians prescribing a new medication that they are taking VYTORIN. Skeletal Muscle in post-marketing experience with ezetimble, cases of myopathy and habdomyolysis have been reported regardless of causality. Most patients who developed rhabdomyolysis were taking a statin prior to initiating ezetimibe. However, rhabdomyolysis, such as fibrates. However, thabdomyolysis, such as fibrates. Hepatic Insufficiency: Due to the unknown effects of the increased exposure to ezetimble in patients with moderate or severe hepatic insufficiency, VYTORIN is not recommended in these patients. Drug Interactions

ezetimibe in patients with moderate or severe hepatic insufficiency, VYTORIN is not recommended in these patients.

Drug Interactions

Drug Interactions

Drug Interactions

Proposed Interaction

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Myopathy/Rhabdomio/jscs).

Caution should be exercised when using VYTORIN and cyclosporine concomitantly due to increased exposure to both ezetimibe and cyclosporine. Cyclosporine concentrations should be monitored in patients receiving VYTORIN and cyclosporine. The degree of increase in ezetimibe exposure may be greater in patients with severe renal insufficiency. In patients treated with cyclosporine, the potential effects of the increased exposure to ezetimibe from concomitant use should be carefully weighed against the benefits of alterations in lipid levels provided by ezetimibe. In a pharmacokinetic study in post-renal transplant patients with mildly impaired or normal renal function (creatinine clearance of 2-50 ml/mlm). concomitant cyclosporine administration increased the mean

exposure to exeturnise from concomitant use should be Carefully weighed against est sudy in post-renal transplant patients with mildly impaired or normal renal function (creatinine dearance of >50 ml/min), concomitant cyclosporine administration increase the mean AUC and C__ of total exetimibe 3.4-fold (range 2.3- to 7.9-fold) and 3.9-fold (range 3.0- to 4.4-fold), respectively. In a separate study, the total exetimibe exposure increased 1.2-fold in one renal transplant patient with severe renal insufficiency receiving multiple medications, including cyclosporine. (See WARNINICS, MyopathyRhabdomyolysis.) Digowir: Concomitant administration of a single does of digowin healthy male doubliness receiving simvastatin resulted in a slight elevation (<0.3 ng/ml.) in plasma digowin concentrations compared to concomitant administration of placebo and digowin Patients taking digowin should be monitored appropriately when VYTORIN is initiated. Fibrates have not been established Fibrates may increase cholesterol excretion into the bile, leading to cholelithiasis. In a preclinical study in dogs, exetimible increased cholesterol in the galliblader bile. Coadministration of Intro Viori Niu with fibrates is not recommended until use in patients is studied. (See WARNINGS, MyopathyRhabdomyolysis). Warfarin: Simvastatin 20-40 mg/day modestly potentiated the effect of comanin anticoagulants: the prothrombin time, reported as international Normalized Ratio (INR), increased from a baseline of 1.7 to 1.8 and from 2.6 to 3.4 in a normal volunteer study and in a hypercholesterolenic patient study, respectively. With other statins, clinically evident bleeding and/or increased prothrombin time has been reported in a few based stating owners and incagallants to committed, prothrombin time cours. Once astable prothrombin time as been documented, prothrombin time cours. Once astable prothrombin time has been documented, prothrombin time cours. Once astable prothrombin time has been endocumented for patients on cournarin anticoagulants. If t

Interest nave been post-trained by the composition of the patients were also on other medications. The effect of WTORIN on the prothrombin time has not been studied. Exelmibe Fenolibrate In a pharmacokinetic study, concomitant fenolibrate administration increased total exelutible concentrations approximately 1.5-fold. Gentilibrati. In a pharmacokinetic study, concomitant genfibroral administration increased total exelutible concentrations approximately 1.7-fold. Simusotatin: Proporatole In healthy male volunteers there was a significant decrease in mean C_{max}, but no change in AUC, for simusotatin was a significant decrease in mean C_{max}, but no change in AUC, for simusotatin total and active inhibitors with concomitant administration of single doses of simusotatin and propranolol. The dinical relevance of this finding is unclear. The pharmacokinetics of the enantiomers of propranolol were not affected. CNS Toxicity
Optic nerve degeneration was seen in clinically normal dogs treated with simvastatin for 14 weeks at 180 mg/kg/day, a dose that produced mean plasma drug levels about 12 times higher than the mean plasma drug level in humans taking 80 mg/day. A Chemically similar drug in this class also produced optic nerve degeneration (Wallerian degeneration or fertiongeniculate fibers) in clinically normal dogs in a dose dependent fashion starting at 60 mg/kg/day, a dose that produced mean plasma drug levels about 30 times higher than the mean plasma drug level in humans taking 80 mg/day. A Chemically similar drug in this class also produced optic nerve degeneration (Wallerian degeneration or fertiongeniculate fibers) in clinically normal dogs in a dose dependent fashion starting at 60 mg/kg/day, a dose that produced mean plasma drug levels about 30 times higher than the mean plasma drug level in humans taking the highest recommended dose (as measured by total enzyme inhibitory activity). This same drug

VYTORIN® (ezetimibe/simvastatin)
also produced vestibulocochlear Wallerian-like degeneration and retinal ganglion cell chromatolysis in dogs treated for 14 weeks at 180 mg/kg/day, a dose that resulted in a mean plasma drug level similar to that seen with the 60 mg/kg/day dose. CNS vascular lesions, characterized by perivascular hemorthage and edema, mononuclear cell infiltration of perivascular spaces, perivascular inbrin deposits and necross of small vessels were seen in dogs treated with simwastatin at a dose of 360 mg/kg/day, and that produced mean plasma drug levels in humans taking 80 mg/day. Similar CNS vascular lesions have been observed with several other drugs of this class.

There were cataracts in female rats after 2 years of treatment with 50 and 100 mg/kg/day (22 and 25 times the human AUC at 80 mg/day, respectively) and in dogs after 3 months at 90 mg/kg/day (19 times) and at 2 years at 50 mg/kg/day (6 times). Carcinogenesis, Mutagenesis, Impairment of Fertility

VYTOR/IN No animal carronogenicity or tertility studies have been conducted with the combination of ezetimibe and simvastatin. The combination of ezetimibe with simastatin did not show evidence of mutagenicity in vitro in a microbial mutagenicity (Ames) test with Salmonella typhimunium and Escherichia coli with or without metabolic adviation. No evidence of estogenicity via soberved in vitro in a chromosomal abernation assay in human peripheral blood lymphocytes with ezetimibe and simwastatin with or without metabolic adviation. There was no evidence of genotoxicity at doses up to 600 mg/kg with the combination of ezetimibe and simwastatin with or without metabolic adviation. There was no evidence of genotoxicity at doses up to 600 mg/kg with the combination of ezetimibe and simwastatin with or without metabolic adviation. There was no evidence of genotoxicity at doses up to 500 mg/kg/day (C150 times the human exposure at 10 mg daily based on AUC_{0.04} for total ezetimibe. A 104-week dietarty carcinogenicity study with ezetimibe was condu

in a 2-year study in rats at 25 mg/kg/day, inser we seposed to approximately 11 times higher levels of simvastatin than in humans given 80 mg simvastatin (as measured by AUC).

Asecond 2-year rat carcinogenicity study with doses of 50 and 100 mg/kg/day produced hepatocellular adenomas and carcinomas (in female rats at both doses and in males at 100 mg/kg/day). Thyroid follicular cell adenomas were increased in males and in males at 100 mg/kg/day). Thyroid follicular cell adenomas were increased in males and females at 100 mg/kg/day). Thyroid follicular cell adenomas were increased in males and females at 100 mg/kg/day). Thyroid follicular cell adenomas were increased in females at 100 mg/kg/day. The increased incidence of thyroid neoplasma appears to be consistent with findings from other HMG-CoA reductase inhibitors. These treatment levels represented plasma drug levels (AUC) of approximately 7 and 15 times (males) and 22 and 25 times (females) the mean human plasma drug exposure after an 80-mg daily dose. No evidence of mutagenicity was observed in a microbial mutagenicity (Ames) test with or without rat or mouse liver metabolic activation. In addition, no evidence of damage to genetic material was noted in an in vitro alkaline elution assay using rat hepatocytes, a V-79 mammalian cell forward mutation study, anin vitro of monosome abenation study in CHO cells, or an in vivo chromosomal abenation assay in mouse bone marrow. There was decreased fertility in male rats treated with simvastatin for 34 weeks at 25 mg/kg body weight (4 times the maximum human exposure level, based on AUC, in patients receiving 80 mg/day), however, this effect was not observed during a subsequent fertility study in winch simvastatin was administered at this same dose level to male rats for 11 weeks (the entire cycle of spermatogenesis including epididymal maturation). No microscopic changes were observed in the testse of rats from either study. At 180 mg/kg/day (which produces exposure levels 22 times higher than those in humans tak

exposures. Reproductive findings occur at lower doses in coadministration therapy compared to monotherapy.
Sirmostatin: Sirmostatin was not teratogenic in rats at doses of 25 mg/kg/day or in rabbits at doses up to 10 mg/kg daily. These doses resulted in 3 times (rat) or 3 times (rabb) the human exposure based on mg/m³ surface area. However, in studies with another structurally-related HMG-CoA reductase inhibitor, skeletal malformations were observed in rats and mice.
Rare reports of congenital anomalies have been received following intrauterine exposure to HMG-CoA reductase inhibitors. In a review of approximately 100 prospectively followed prepanancies in women exposed to simmastatin or another structurally related HMG-CoA reductase inhibitors. In a review of approximately 100 prospectively followed prepanancies in women exposed to simmastatin or another structurally related HMG-CoA reductase inhibitor, the incidences of congenital anomalies, pontaneous abortions and fetal deathy/stillbirths did not exceed what would be expected in the general population. The number of cases is adequate only to exclude a 3- to 4-fold increase in congenital anomalies over the background incidence. In 9890 of the prospectively followed pregnancies, drug teathment was initiated prior to pregnancy and was discontinued at some point in the first trimester when pregnancy was identified.
Labor and Delivery

The effects of ViTORIN on labor and delivery in pregnant women are unknown.
Mursing Mothers

Labor and Delivery
The effects of VYTORIN on labor and delivery in pregnant women are unknown.
Nursing Mothers
In rat studies, exposure to ezetimibe in nursing pups was up to half of that observed

WTORIN* (ezetimibe/simvastatin)
in malemal plasma. It is not known whether ezetimibe or simvastatin are excreted into human breast milk. Because a small amount of another drug in the same class as simvastatin is excreted in human milk and because of the potential for senious adverse reactions in nursing infants, women who are nursing should not take VYTORIN (see CONTRAINDICATIONS).

Pediatric Use
WTORIN** There are insufficient data for the safe and effective use of VYTORIN in pediatric patients. (See **Exetimibe** and **Simvastatin** below).

Exetimibe The pharmacokinetics of zetimibe in adolescents (10 to 18 years) have been shown to be similar to that in adults. Treatment experience with zetimibe in the pediatric population is limited to 4 patients (9 to 17 years) with homozygous stosterolemia and 5 patients (11 to 17 years) with HoFH. Treatment with ezetimibe in children (<10 years) is not recommended. **Simvastatin** Safety and effectiveness of simvastatin in patients 10-17 years of age with heterozygous farmilal hypercholestrolemia have been evaluated in a controlled dirincal trial in adolescent boys and in girls who were at least 1 year post-menarche. **Patients treated with placebo. **Doses > 40 mg have not been studied in this population. In this limited controlled study, there was no detectable effect on growth or sexual maturation in the adolescent boys or girls, or any effect on menstrual cycle length in girls. Adolescent females should be counseled on appropriate contraceptive methods while on therapy with simwastatin has not been studied in patients younger than 10 years of age, nor in pre-menarchal girls.

Ceritatic Use

Studied in Patients younger than in years or age, not in pre-inelatical gins.

Ceriatric USe

Of the patients who received VYTORIN in clinical studies, 792 were 65 and older (this included 176 who were 75 and older). The safety of VYTORIN was similar between these patients and younger patients. Greater sensitivity of some older individuals cannot be ruled out. (See ADVERSE REACTIONS.)

ADVERSE REACTIONS

VYTORIN has been evaluated for safety in more than 3800 patients in clinical trials.

VYTORIN has generally well tolerated.

The table below summarizes the frequency of clinical adverse experiences reported in ≥ 2% of patients treated with VYTORIN (r=1256) and at an incidence greater than placedored causality assessment from 3 similarly designed, placebo-controlled trials.

Clinical Adverse Events Occurring in ≥ 2% of Patients Treated with VYTORIN and at an Incidence Greater than Placebo, Regardless of Causality*

Body System/ Placebo (%) Ezettmibe Sirwastatin*(%) VYTORIN*(%)

Body System/	Placebo (%)	Ezetimibe	Simvastatin† (%)	VYTORIN†(%)
Organ Class		10 mg (%)		
Adverse Event	n=311	n=302	n=1234	n=1236
Body as a whole - g	eneral disorde	ers		
Headache	6.4	6.0	5.9	6.8
Infection and infesta	tions			
Influenza	1.0	1.0	1.9	2.6
Upper respiratory tract infection	2.6	5.0	5.0	3.9
Musculoskeletal and	connective tis	sue disorders		
Myalgia	2.9	2.3	2.6	3.5
Pain in extremity	1.3	3.0	2.0	2.3
* Includes 2 placebo-cont				
VVTORIN were coadmir	pictored and 1 place	aha controllad ctu	tu in which VVTODIN u	ac administered

WTORIN were coadministered and 1 placebo-controlled study in which VYTORIN was administered 11 All doses.

Post-marketing Experience: The adverse reactions reported for VYTORIN are consistent with those previously reported with exelimible and/or simusatian. Exelimible: Other adverse expenences reported with zerelimible in placebo-controlled studies, regardless of causality assessment: Body as a whole – general disorders: fatigue; Castraintestrual system disorders: addominal pain, diarrhea; Infection and infectations: infection viral, pharyngitis, sinusitis, Musculoskeletal system disorders: arthralgia, back pain, Respiratory system disorders: coughing.
Post-marketing Experience: The following adverse reactions have been reported in post-marketing experience, regardless of causality assessment: Hypersensitivity reactions, including anaphylaxis, angioedema, rash, and urticaria; arthralgia; elevations in liver transaminases, hepatitis, thrombocytopenia; pancreatitis; nausea; cholelthiasis; cholesystitis; elevated creatine phosphokinase; and, very rarely, myopathy/rhabdomyolysis (see WARNINGS, Myopathy/Rhabdomyolysis).
Simvastatin: Other adverse experiences reported with simvastatin in placebo-controlled clinical studies, regardless of causality assessment. Body as a whole-general disorders: asthenia; Eye disorders: cataract; Castrointestinal system disorders: abdominal pain, constipation, diarrhea, dyspepsia, flattulence, nausea; Skin and subcutaneous tissue disorders: eczema, pruntus, rash.
The following effects have been reported with other HMG-CoA reductase inhibitors. Not all the effects listed below have necessarily been associated with simvastatin therapy.

The following effects have been reported with other HIMC-LOA reductase inhibitors. Not all the effects listed below have necessarily been associated with simwastatin therapy. Musculokeletal system disorders: muscle cramps, myalgia, myopathy, rhabdomyolysis, and the control of ugas. *sus system disorders:* dysfunction of certain cranial nerves (including alteration of taste,

arthralgas.

Nervous system disorders: dysfunction of certain cranial nerves (including alteration of taste, impairment of extra-cular movement, facial paresis), tremor, dizziness, memory loss, paresthesia, peripheral neuropathy, peripheral nerve palsy, psychic disturbances.

Ear and labyninh disorders: vertigo.

Psychiatric disorders: amolety, insomnia, depression, loss of libido.

Psychiatric disorders: amolety, leser, disorders: anaphylaxis, anguedema, lupus erythematous-like syndrome, polymalgia rehumalica, dermadomyosits, vasculikis, purpura, thrombocytopenia, leukopenia, hemolytic anemia, positive ANA, ESR increase, eosinophilia, arthritis, arthralgia, urticana, asthenia, photosensitivity, fever, chills, flushing, malaise, dyspnea, toxic epidermal necrolysis, erythema multirome, induding Stevens-Johnson syndrome.

Gastrointestinal system disorders: pancreatitis, vomitting.

Hepatabiliary disorders: hepatistis, including chronic active hepatitis, cholestatic jaundice, fatty change in liver, and, rarely, currhosis, fulminant hepatic necrosis, and hepatoma.

Skin and subcutaneous tissue disorders anoresis.

Skin

Laboratory Tests
Marked persistent increases of serum transaminases have been noted (see WARNINGS, Liver Enzymes). About 5% of patients taking simvastatin had elevations of CK levels of 3 or more times the normal value on 1 or more occasions. This was attributable to the noncardiac traction of CK. Muscle pain or dysfunction usually was not reported (see WARNINGS, Myopathy/Rhabdomyolysis).

ARNINGS, Myopathy/Khabdomyopyss), oncomitant Lipid-Lowering Therapy controlled clinical studies in which simvastatin was administered concomitantly with olestyramine, no adverse reactions peculiar to this concomitant treatment were observed, e adverse reactions that occurred were limited to those reported previously with simvastatin

or cholestyramine. Adolescent Patients (ages 10-17 years) In a 48-week controlled study in adolescent boys and girls who were at least 1 year post-menarche, 10-17 years of age with heterozygous familial hypercholesterolemia (n=175), the stelly and tolerability profile of the group treated with simusatian (10-40 mg daily) was generally similar to that of the group treated with placebo, with the most common adverse experiences observed in both groups being upper respiratory infection, headache, abdominal pain, and nausea (see PRECAUTIONS, Pediatric Use).

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ctured for: MERCK/Schering-Plough Pharmaceuticals