Women's Health

USPSTF Issues Hormone Tx Recommendations

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ostmenopausal women should not receive unopposed estrogen or combination hormone therapy for the prevention of chronic disease, including heart disease, stroke, and osteoporosis, according to a new recommendation by the U.S. Preventive Services Task Force.

The task force also recommended against using unopposed estrogen for disease prevention in postmenopausal women who have undergone hysterectomy.

In 2002, the task force found insufficient evidence to recommend for or against such preventive therapy. The task force noted that HT has beneficial effects on bone and reduces the risk of colorectal cancer. But after reviewing findings from the Women's Health Initiative study, the task force concluded that the risks of both unopposed estrogen and combined HT probably exceed their benefits.

In addition to data from the WHI, the task force based its recommendations on the conclusions of the U.K. Million Women Study and many metaanalyses of other studies. Based on these studies, the force concluded that HT:

- ▶ Doubles risk of invasive breast cancer.
- ▶ Doubles risk of endometrial cancer.
- ▶ Doubles risk of venous thromboembolism.
- ▶ Increases risk of stroke by up to 41%.

▶ Increases risk of heart disease by 29%.

Lunesta: (SZO) ICCTIC/C 1.2 AND 8 MOTABLETS RRIFE SLIMMARY

INDICATIONS AND USAGE
LUNESTA is indicated for the treatment of insomnia. In controlled outpatient and sleep laboratory studies, LUNESTA administered at bedtime decreased sleep latency and improved sleep maintenance.

WARNINGS

Because sleep disturbances may be the presenting manifestation of a physical and/or psychiatric disorder, symptomatic treatment of insomnia should be initiated only after a careful evaluation of the patient. The failure of insomnia to remit after 7 to 10 days of treatment may indicate the presence of a primary psychiatric and/or medical illness that should be evaluated. Worsaring of insomnia or the emergence of new thinking or behavior abnormalities maybe the consequence of an unrecognized psychiatric or physical disorder. Such findings have emerged during the course of treatment with sedative/hyprobic drugs, including LUNESTA. Because some of the important adverse effects of LUNESTA appear to be dose-related, it is important to use the lowest possible effective dose, sepecially in the elderly (see DOSAGE AND ADMINISTRATION in the Full Prescribing Information).

TRATION in the Full Prescribing Information.

A variety of abnormal thinking and behavior changes have been reported to occur in association with the use of sedative/hypnotics. Some of these changes may be characterized by decreased inhibition (e.g., aggressiveness and extroversion that seem out of charactery, similar to effects produced by alcohol and other CNS depressants. Other reported behavioral changes have included bizarre behavior, agitation, hallucinations, and depersonalization. Anness and other neuropsychiatric symptoms any occur unpredictably. In primarily degressed patients, worsening of depression, including suicidal trinking, has been reported in association with the use of sedative/hypnotics.

including suicidal trinking, has been reported in association with the use of sedativerhyprofics.

It can rarely be determined with certainty whether a particular instance of the abnormal behaviors listed above are drug-included, spontaneous in origin, or a result of an underlying psychiatric or physical disorder. Nonetheless, the emergence of any new behavioral sign or symptom of concern requires careful and immediate evaluation. Following rapid dose decrease or abrupt discontinuation of the use of sedative/hypnotics, there have been reports of signs and symptoms similar to those associated with withdrawal from other ONS-depressant drugs (see PBIG ABUSE ABU DEPENDENCE). LUNESTA, like other hypnotics, has CNS-depressant effects. Because of the rapid onset of action, LUNESTA should only be ingested immediately prior to going to bed or after the patient has gone to bed and has experienced difficulty falling asleep. Patients receiving LUNESTA should be cautioned against engaging in hazardous cocupations requiring complete mental alertness or motor coordination (e.g., operating machinery or driving a motor vehicle) after ingesting the drug, and be cautioned about potential impairment of the performance of such activities on the day following ingestion of LUNESTA. LUNESTA, like other hypnotics, may produce additive. ORS-depressant effects when coadministered with other psychotropia medications, anticonvulsants, antilistamines, ethanal, and other drugs that themselves produce. ORS depression, LUNESTA bould not be taken with alcohol. Dose adjustment may be necessary when LUNESTA is administered with other CNS-depressant agents, because of the potentially additive effects.

PRECAUTIONS

Identification of Drug Administration: LUNESTA should be taken immediately before bedtime. Taking a sedative/hypnotic while still up and about may result in short-term memory impairment, halucinations, impaired coordination, dizziness, and lightheadendess. Use In The Elderly And/Or Debilitated Patients: Impaired motor and/or cognitive performance after repeated exposure or unusual sensitivity to sedative/hypnotic druns is a congregar in the treatment of defert and/or debilitated natients. The recom-

performance after repeated exposure or unusual sensitivity to sedative/hypnotic drugs is a concern in the treatment of diderly and/or debilitated patients. The recommended starting dose of LUNESTA for these patients is 1 mg (see DOSAGE AND ADMINISTRATION in the Full Prescribing Information).

Use In Patients With Concomitant Illness: Clinical experience with eszopicione in patients with concomitant lilness is simited. Eszopicione should be used with caution in patients with diseases or conditions that could affect metabolism or hemodynamic

responses.

A study in healthy volunteers did not reveal respiratory-depressant effects at doses 2.5-fold higher (7 mg) than the recommended dose of escopicione. Carition is advised, however, if LUNESTA is prescribed to patients with compromised respiratory function. The dose of LUNESTA should be reduced to 1 mg in patients with severe healting impairment, because systemic exposure is doubled in such subjects. No dose adjustment appears necessary for subjects with mild or moderate healtic impairment, but dose adjustment appears necessary in subjects with any degree of renal impairment, since less than 10% of escopicione is excreted unchanged in the urine.

The dose of LUNESTA should be reduced in patients who are administered potent inhibitors of CYPSA4, such as ketconcapie, while taking LUNESTA. Downward dose adjustment is also recommended whet LUNESTA is administered with agents having known CNS-depressant effects.

Ing known criss-depressant effects.

Use In Patients With Depression: Sedative/hypnotic drugs should be administered with caution to patients exhibiting signs and symptoms of depression. Suicidal tendencies may be present in such patients, and protective measures may be required. Intentional overdose is more common in this group of patients; therefore, the least amount of drug that is feasible should be prescribed for the patient at any one time. Information For Patients: Patient information is printed in the complete prescribing

Ethanot. An additive effect on psychomotor performance was seen with coadministra-tion of eszopiclone and ethanol 0.70 g/kg for up to 4 hours after ethanol administration. Paroxetine: Coadministration of single doses of exopicione 3 mg and paroxetine 20 mg daily for 7 days produced no pharmacokinetic or pharmacodynamic interaction. Crazepam: Coadministration of single doses of exopicione 3 mg and paroxetine 2 mg ddi not have clinically relevant effects on the pharmacodynamics or pharmacokinetic or either drug.

Olanzanine: Coadministration of single doses of exopicione 3 mg and lorazepam 2 mg ddi not have clinically relevant effects on the pharmacodynamics or pharmacokinetics of either drug.

kinetics of either drug. Oftanzapine: Coadministration of eszopidone 3 mg and olanzapine 10 mg produced a decrease in DSST scores. The interaction was pharmacodynamic; there was no alter-ation in the pharmacokinetics of either drug. Drugs That Inhibit CYP3A4 (Ketoconazde): CYP3A4 is a major metabolic pathway for elimination of eszopidone. The AUC of eszopidone was increased 2.2-fold by coad-

elimination of eszopicione. The AUC of eszopicione was increased 2.2-fold by coad-ministration of ketoconazole, a potent hibibitor of CYP3A4, 400 mg daily for 5 days. C_{PNA} and t_{v2} were increased 1.4-fold and 1.3-fold, respectively. Other strong inhibitors of CYP3A4 (e.g. traconazole) clarithoroxic netazodope troleandomycin citonaxic.

Constitution of the Consti

Drugs Highly Bound To Plasma Proleie: Eszopicione is not highly bound to plasma proteins (52-59% bound), therefore, the disposition of eszopicione is not expected to be sensitive to alterations in protein binding. Administration of eszopicione 3 mg to a patient taking another drug that is highly protein-bound would not be expected to cause an alteration in the free concentration of either drug.

Drugs With A Narrow Therapeutic Index

Drugs With a Narrow Inergebruic mass of Digoxin: A single dose of eszopiclone 3 mg did not affect the pharmacokinetics of digoxin measured at steady state following dosing of 0.5 mg twice daily for one day and 0.25 mg daily for the next 6 days.

**Wardarin: Eszopiclone 3 mg administered daily for 5 days did not affect the pharmacokinetics of (R) or (S)-wardarin, nor were there any changes in the pharmacodynamic profile (prothrombin time) following a single 25-mg oral dose of warfarin.

namic profile (profitrionals mile) solitiving a single 25-mg oral dose of warfarin. Carcinogenesis: Mutagenesis. Impailment of Fertility Carcinogenesis: In a carcinogenicity stdy in Sprague-Dawley rats in which escopi-cione was given by oral gavage, no increases in tumors were seen; plasma levels (AUC) of escopicione at the highest dose used in this study (16 mg/kg/day) are esti-mated to be 80 (females) and 20 (males) times those in humans receiving the max-imum recommended human dose (MiHD). However, in a carcinogenicity study in

Sprague-Dawley rats in which racemic zopicione was given in the diet, and in which plasma levels of eszopicione were reached that were greater than those reached in the above study of eszopicione, an increase in mammary gland adenocarcinomas in females and an increase in thryfoid gland follicular cell adenomas and carcinomas in males were seen at the highest dose of 100 mg/kg/day, Plasma levels of eszopicione at this dose are estimated to be 150 (females) and 70 (males) times those in humans receiving the MRHD. The mechanism for the increase in mammary adenocarcinomas is unknown. The increase in thyroid tumors is thought to be due to increased levels of TSH secondary to increased metabolism of circulating thyroid hormones, a mechanism that is not considered to be relevant to humans.

of TSH secondary to increased metabolism of circulating thyroid hormones, a mechanism that is not considered to be relevant to humans.

In a carcinogenicity study in B6C3F1 mice in which racemic zopicione was given in the diet, an increase in pulmonary carcinomes and carcinomas plus adenorras in females and an increase in skin fibromas and sarcomas in males were seen at the highest dose of 100 mg/kg/day. Plasma levels of eszopicione at this dose are estimated to be 8 (females) and 20 (males) times those in humans receiving the MRHO. The skin tumors were due to skin lesions induced by aggressive behavior, a mechanism that is not relevant to humans. A carcinogenicity study was also performed in which CD-1 mice were given eszopicione at doses up to 100 mg/kg/day by oral gazage; although this study did not reach a maximum tolerated dose, and was thus inadequate for overall assessment of carcinogenic potential, no increases in either pulmonary or skin tumors were seen at doses producing plasma levels of eszopicione estimated to be 90 times those in humans receiving the MRHD—i.e., 12 times the exposure in the racemate study.

Eszopicione did not increase tumors in a p53 transgenic mouse bioassay at oral doses up to 300 mg/kg/day.

Mutageness: Eszopicione was positive in the mouse lymphoma chromosomal aberration assay and produced an equivocal response in the Chinese hamster ovary ellichromosomal aberration assay, it was not mutagenic or clastogenic in the bacterial Ames gene mutation assay, in an unscheduled DNA synthesis assay, or in an in vivo mouse bone marrow micronucleus assay.

(S)-N-desmethyl zopiclone, a metabolite of eszopiclone, was positive in the Chinese hamster ovary cell and human lymphocyte chromosomal aberration assays. It was negative in the bacterial Ames mutation assay, in an *in vitro* %P-positabeling DNA adduct assay, and in an *in vivo* mouse bone marrow chromosomal aberration and micronucleus assay.

micronucleus assay.

Impairment Of Fertifity: Eszopicione was given by oral gavage to male rats at dose up to 45 mg/kg/day from 4 weeks premating through mating and to female rats at doses up to 180 mg/kg/day from 2 weeks premating through day 7 of pregnancy. An additional study was performed in which only females were treated, up to 180 mg/kg/day. Eszopicione decreased fertifity, probably because of effects in both males and females, with no females becoming pregnant when both males and females were treated with the highest dose; the no-effect dose in both sexes was 5 mg/kg (16 times the MRHD on a mg/m² basis). Other effects included increased preimplantation loss (no-effect dose 25 mg/kg), abnormal estrus cycles (no-effect dose 25 mg/kg), and decreases in sperm number and motility and increases in morphologically abnormal sperm (no-effect dose 5 mg/kg).

Pregnancy Category C: Escopicione administered by oral gavage to pregnant rate and rabbits during the period of organogenesis showed no evidence of treatogenicity up to the highest doses tested (250 and 16 img/kg/day in rats and rabbits, respectively; these doses are 800 and 100 times, respectively, the maximum recommended human dose (MRHDI) on a mg/m² basis). In the rat, sight reductions in fetal weight and evidence of developmental delay were seen at maternally toxic doses of 125 and 550 mg/kg/day but not at 62.5 mg/kg/day (200 times the MRHD on a mg/m² basis). Escopicione was also administered by oral gavage to pregnant rats throughout the pregnancy and lactation periods at doses of up to 180 mg/kg/day. Increased post-implantation loss, decreased postnatal pup weights and survival, and increased post-implantation loss, decreased postnatal pup weights and survival. and increased post-implantation loss, decreased postnatal pup weights and survival. and increased post-implantation loss, decreased postnatal pup weights and survival. and increased post-implantation loss, decreased postnatal pup weights and survival. and increased post-implantation loss, decreased postnatal pup weights and survival. and increased post-implantation loss, decreased postnatal pup weights and survival and increased pup.

There are no adequate and well-controlled studies of eszopiclone in pregnant women. Eszopiclone should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus. Labor And Delivery: LUNESTA has no established use in labor and delivery.

Laudi And Dervery: LUNES IA has no established use in labor and delivery.

Nursing Mothers: It is not known whether LUNESTA is excreted in human milk.

Because many drugs are excreted in human milk, caution should be exercised when

LUNESTA is administered to a nursing woman.

Pediatric Use: Safety and effectiveness of eszopiclone in children below the age of 18

have not been established.

have not been established.

Geriatric Use: A total of 287 subjects in double-blind, parallel-group, placebo-controlled clinical trials who received eszopicione were 65 to 86 years of age. The overall pattern of adverse events for elderly subjects (median age = 71 years) in 2-week
studies with nighttime dosing of 2 mg eszopicione was not different from that seen
in younger adults. LUNESTA 2 mg exhibited significant reduction in sleep latency and
improvement in sleep maintenance in the elderly population. improvement in sleep maintenance in the elderly population.

ADVERSE REACTIONS

The premarketing development program for LUNESTA included eszopiclon

The premarketing development program for LUNESTA included escopicione exposures in patients and/or normal subjects from two different groups of studies; approximately 400 normal subjects in clinical pharmacology/oharmacokinetic studies, and approximately 150 patients in placebo-controlled clinical effectiveness studies, corresponding to approximately 263 patient-exposure years. The conditions and duration of treatment with LUNESTA varied greatly and included (in overlapping categories) open-label and double-blind phases of studies, inpatients and outpatients, and short-term and longer-term exposure. Adverse reactions were assessed by collecting adverse events, results of physical examinations, vital signs, weights, laboratory analyses, and ECVes.

weights, laboratory analyses, and ECGs.

Adverse events during exposure were obtained primarily by general inquiry and recorded by clinical investigators using terminology of their own choosing. Consequently, it is not possible to provide a meaningful estimate of the proportion of individuals experiencing adverse events without first grouping similar types of events into a smaller number of standardized event categories. In the tabulations that follow, COSTART terminology has been used to classify reported adverse events.

The stated frequencies of adverse events represent the proportion of individuals who experienced, at least once, a treatment-emergent adverse event of the type listed. An event was considered treatment-emergent if it occurred for the first time or worsened while the patient was receiving therapy following baseline evaluation.

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Adverse Findings Observed in Placebo-Controlled Trials

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Adverse Events Resulting in Discontinuation of Treatment. In placebo-controlled, parallel-group clinical trials in the elderly, 3.8% of 208 patients who received placebo, 2.3% of 215 patients who received 2 mg LUNESTA, and 1.4% of 72 patients who received 1 mg LUNESTA discontinued treatment due to an adverse event. In the 6-week parallel-group study in adults, no patients in the 3 mg arm discontinued because of an adverse event. In the 16-week parallel-group study in adults, no patients in the 3 mg arm discontinued because of an adverse event. In the 16-week parallel-group study in adults, no patients that \$1 mg arm discontinuation patients, 7.2% of 195 patients who received placebo and 12.8% of 593 patients who received up to the study of the 18-mg LUNESTA discontinued due to an adverse event. No event that resulted in discontinuation occurred at a rate of greater than 2%.

Adverse Events Observed at an Incidence of 22% in Controlled Trials. The following lists the incidence (% placebo, 2 mg, 3 mg, respectively) of treatment-emergent adverse events from a Phase 3 placebo-controlled study of LUNESTA at doses of 2 or 3 mg in non-elderly adults. Treatment duration in this trial was 44 days. Data are limited to adverse events that occurred in 2% or more of patients treated with LUNESTA vas greater than the incidence in palecidence in patients treated with LUNESTA vas greater than the incidence in patients and the subject of the patients of the patient

Events for which the LUNESTA incidence was equal to or less than placebo are not listed, but included the following: abnormal dreams, accidental injury, back pain, diarrhea, flu syndrome, nysliga, pain, pharyogitis, and rinhilis. Adverse events that suggest a dose-response relationship in adults include viral infection, dry mouth, dizzness, hallucinations, infection, rash, and unpleasant taste, with this relationship clearest for unpleasant taste.

with this relationship clearest for unpleasant tasta. The following lists the incidence (% placebo, 2 mg, 3 mg, respectively) of treatment-emergent adverse events from combined Phase 3 placebo-controlled studies of LINESTA at doses of 1 or 2 mg in elderly adults (ages 58-86). Treatment duration in these trials was 14 days. Data are limited to events that occurred in 2% or more of patients treated with LINESTA 1 mg (n=72) or 2 mg (n=215) in which the incidence in patients treated with LUNESTA was greater than the incidence in placebo-treated orbitants.

patients.¹

Body as awhole; accidental injury (1%, 0%, 3%), headache (14%, 15%, 13%), pain (2%, 4%, 5%). Digestive system; diarrhea (2%, 4%, 2%), dry mouth (2%, 3%, 7%), dyspepsia (2%, 6%, pervous system; abnormal dreams (0%, 3%, 7%), dizziness (2%, 1%, 6%), nervousness (1%, 0%, 2%), hearlagia (0%, 3%, 0%), 5%), and appendaces; pruntus: (1%, 4%, 1%). Special senses: upheasant taste (0%, 8%, 12%). Unceential system; urinary tract infection (0%, 3%, 0%), 0%).
Events for which the LUNESTA incidence was equal to or less than placebo are not listed, but included the following: abdominal pain, asthenia, nausea, rash, and somnolence.

somnolence. Adverse events that suggest a dose-response relationship in elderly adults include pain, dry mouth, and unpleasant taste, with this relationship again clearest for unpleasant taste. These figures cannot be used to predict the incidence of adverse events in the course of usual medical practice because patient characteristics and other factors may differ from those that prevailed in the clinical trials. Similarly, the cited frequencies cannot be compared with figures obtained from other clinical investigations involving different treatments, uses, and investigators.

tigations involving different treatments, uses, and investigators.

The cited figures, however, do provide the prescribing physician with some basis for estimating the relative contributions of drug and non-drug factors to the adverse event incidence rate in the population studied.

Other Events Observed During The Premarketing Evaluation Of LUNESTA. Following is a list of modified COSTART terms that reflect treatment-emergent adverse events as defined in the introduction to the ADVERSE REACTIONS section and reported by approximately 15:05 subjects treated with LUNESTA at doses in the range of 1 to 3.5 mg/day during Phase 2 and 3 clinical trials throughout the United States and Canada. All reported events are included except those already islated here or listed elsewhere in labeling, minor events common in the general population, and events unlikely to be drug-related. Although the events reported occurred during treatment with LUNESTA, they were not necessarily caused by it.

events unlikely to be drug-related. Although the events reported occurred during treatment with LUNESTA, they were not necessarily caused by It.

Events are listed in order of decreasing frequency according to the following definitions: frequent adverse events are those that coccurred on one or more occasions at least 1/100 patients; intrequent adverse events are those that occurred in fewer than 1/100 patients; intrequent adverse events are those that occurred in fewer than 1/100 patients. Gender-specific events are categorized based on their incidence for the appropriate gender.

Frequent: chest pain, migrante, peripheral edema.

Infrequent: acne, agitation, allergic reaction, alopecia, amenorriea, anemia, anorexia, apathy, arthuffis, asthma, atawa, breast enporgement, breast enlargement, breast neoplasm, breast pain, bronchitis, burstis, cellulitis, colelithiasis, conjunctivitis, contact dermatitis, cystitis, dry eyes, dry skin, dysprea, dysuria, eczerna, ear pain, emotional lability, epistaxis, face edema, fornale lactation, fever, halfosis, heat stroke, hematuria, herrak, hiccup, hostility, hyperchicelstermial, hypertension, hypertonial, hypertension, hypertonial, metrorrhagia, mouth ulceration, myasthenia, neck rigidity, neurosis, nystagmus, otilis externa, otitis media, persethesia, photosensitivity, reflexes decreased, skin discoloration, sweating, thinking abnormal (manhy difficulty concentrating), thinking abnormal (manhy difficulty concentrating), thinking of the store of the properties o

aisorder, weight gain, weight loss.

Rare: abnormal gait, arthrosis, colitis, dehydration, dysphagia, erythema multiforme, euphoria, furunculosis, gastristis, gout, hepatitis, hepatomegaly, herpes zoster, hirsutism, hyperacusis, hyperashesia, hyperlipemia, hypokalemia, hypokinesia, iritis, liver damage, maculopanular rash, mydralasis, myopathy, neuritis, neuropathy, oliguria, photophobia, ptosis, pyelonephritis, rectal hemorrhage, stomach ulcer, stomatitis, stupor, thrombophiebitis, tongue edema, tremor, urethritis, vascidubullous rash.

stomatitis, stupor, thrombophiebitis, longue edema, tremor, urethritis, vesiculobulious rash.

DRUG ABUSE AND DEPENDENCE
Controlled Substance Class: LUNESTA is a Schedule IV controlled substance under the Controlled Substance Act. Other substances under the same classification are beroofiazepines and the nonbenzodiazepine hypnotice saleplon and zojujdem. While escopicione is a hypnotic agent with a chemical structure unrelated to benzodiazepines, it shares some of the pharmacologic properties of the benzodiazepines, it shares some of the pharmacologic properties of the benzodiazepines.

Abuse, Dependence, and Tolerance

Abuse and Dependence in a study of abuse liability conducted in individuals with known histories of benzodiazepine abuse escopicilone at doses of 6 and 12 mg produced euphoric effects similar to those of diazepam 20 mg. In this study, at doses -level or predated than the maximum recommended doses, a dose-related increase in reports of amnesia and hallucinations was observed for both LUNESTA and diazepam. The clinical trial experience with LUNESTA revealed no evidence of a serious withdrawal syndrome. Nevertheless, the following adverse events control at a succession of the produced development of the standard development of the standard place of substitution occurring within 48 hours following the last LUNESTA treatment: anxiety, abnormal dreams, nausea, and upset stomach. These reported adverse events occurred at an incidence of 2% or less. Use of benzodiazepines and similar agents may lead to physical and psychological dependence. The risk of abuse and dependence increases with the dose and duration of treatment and concomitant use of other psychoactive drugs. The risk is also greater for patients who have a history of abcolo or drug abuse or history of psychiatric disorders. These patients should be under careful surveillance when receiving LUNESTA or any other hypnotic.

Tolerance: Some loss of efficacy to the hypnotic effect of benzodiazepines and benzo-

Tolerance: Some loss of efficacy to the hypnotic effect of benzodiazepines and benzo diazepine-like agents may develop after repeated use of these drugs for a few weeks No development of tolerance to any parameter of sleep measurement was observed over six months. Tolerance to the efficacy of LUNESTA's any was assessed by 4-week objective and 6-week subjective measurements of time to sleep onset and sleep main-tenance for LUNESTA' in a placebo-controlled 44-day study, and by subjective assess-ments of time to sleep onset and WASO in a placebo-controlled study for 6 months.

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OVERNOVASE

There is limited premarketing clinical experience with the effects of an overdosage of LIVIESTA. In clinical trials with escopiolone, one case of overdose with up to 36 mg of escopiolone was reported in which the subject fully recovered from razemic zopiolone overdoses up to 340 mg (36 times the maximum recommended dose of escopiolone).

Signs And Symptoms: Signs and symptoms of overdose effects of CNS depressants can be expected to present as exaggerations of the pharmacological effects noted in preclinical testing. Impairment of consciousness ranging from somnolence to coma has been described. Are individual instances of flatad outcomes following overdose with racemic zopiolone have been reported in European postmarketing reports, most often associated with overdose with other CNS-depressant agents.

often associated with overdose with other CNS-depressant agents.

*Recommended Treatment: General symptomatic and supportive measures should be used along with immediate gastric lavage where appropriate. Intravenous Iluids should be administered as needed. Flumazenil may be useful. As in all cases of drug overdose, respiration, pulse, blood pressure, and other appropriate signs should be monitored and general supportive measures employed. Hypotension and CNS depression should be monitored and treated by appropriate medical intervention. The value of dialysis in the treatment of overdosage has not been determined.

Poison Control Center: As with the management of all overdosage, the possibility of multiple drug ingestion should be considered. The physician may wish to consider contacting a poison control center for up-to-date information on the management of



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▶ Increases risk of dementia by about 40%.

The task force acknowledged that the additional risks conferred by HT are small (eight more strokes, eight more pulmonary embolisms, eight more invasive breast cancers, and seven more coronary heart disease events/10,000 women per year), but said patients and physicians should take them into account.

The balance of benefits and harms for a woman will be influenced by her personal preferences, her risk for specific chronic diseases, and the presence of menopausal symptoms," according to the task force. "A shared decision-making approach to preventing chronic disease in perimenopausal and postmenopausal women involves consideration of individual risk factors and preferences in selecting effective interventions for reducing the risks for fracture, heart disease, and cancer."

The new recommendations are available at www.preventiveservices.ahrq.gov.

Review Links HT to Higher Stroke Risk

ormone therapy is associated with a Hormone unclapy to unclassed risk of stroke, based on studies involving nearly 40,000

A review of 28 studies ranging in size from 59 to 16,608 adults and with followup times of 0.7-6.8 years showed a significant association between HT use and an increased risk of total stroke, with an odds ratio of 1.29. The review supports previous studies that showed an association between increased risk of stroke and hormone therapy, reported Philip Bath, M.D., and Laura Gray of the University of Nottingham, (England) (BMJ [Epub ahead of print], January 2005. Article DOI number: 10.1136/bmj.38331.655347.8F. Available from: www.bmj.com).

Twelve studies included women taking estrogen only; 16 included women taking estrogen plus progesterone. The average ages ranged from 55 to 71 years, and three studies of estrogen combined with progesterone included men. All but 5 studies were placebo-controlled, and 11 small trials recorded no stroke events.

Overall, 2% of patients randomized to no HT suffered strokes, but the risk of stroke among women randomized to HT increased 29%, primarily because of the increase in ischemic stroke. In addition, severity of stroke increased with HT use; the chance of a poor functional outcome, defined as either death or disability and dependency, was 56% higher among women randomized to HT. In particular, HT use was associated with a significant increase in the risk of ischemic stroke in 16 studies (OR 1.29). HT use also was significantly associated with an increased risk of nonfatal stroke in 21 studies (OR 1.23), and with an increased risk of stroke leading to death or dependency in 14 studies (OR 1.56).

—Heidi Splete