(escitalopram oxelete) TABLETS/ORAL SOLUTION

nts increased the risk of suicidal thinking and beha Antideprésants increased the risk of sulcidat minimag ain dehaniory sulcidality in short-hem studies in offidate and adolescents with Major Depressive Disorder (MDD) and other psychiatric disorders. Anyone considering the use of Leapon or any other antidepressant in a citility of adolescent must balance this risk with the clinical need. Palletist who are started on theragy should be observed dosely for clinical worsening, suicidality, or unusual changes in behavior. Families and caregivers should be adolesced of the need for close sometimes of the control of the observation and communication with the prescriber. Lexapro is not approved for use in pediatric patients. (See Warnings and

approver in the in procurative proteins, "see "warmings" and Proculturis Reduline Use! (4 to 16 weeks) placebo-controlled tri-als of 9 antidepressant drugs (SSRIs and others) in children and ado-tescents with major depressive disorder (MDD), obsessive compu-sive disorder (CDO) or other psychiatric disorders is total of 24 trais involving over 4400 patients) have revealed a greater risk of adverse events representing suicidal thinking or behavior (suicidality) during the first few months of treatment in those receiving antidepressants. The unargan kind of sinch parties of the sinch parties of the sinch parties of sinch parties of the sinch parties of the sinch parties of sinch parties in distinct security antidepressants. The average risk of such events in patients receiving antidepressants was 4%, twice the placebo risk of 2%. No suicides occurred in these trials.

Lexapro® (escitalopram oxalate) is an orally administered selective sero Leaguro (sectasplan oxater) is an uninvaried annihilated sector service from reuptake inhibitor (SSRI). Estingarms it he pure 3-enantioner (sin-gle isomer) of the racemic bicyclic phthalane derivative citalopram. Escitalopram oxatet is designated 5-(+)-1,3-(dimethyl-aminolpropyl)-1-(p-fluorophenyl)-5-phthalancarbonitrile oxatet with the following struc-tural formula:

The molecular formula is C₂₀H₂₁FN₂O • C₂H₂O₄ and the molecular weight

is 414.40.

Schaldpram oxalate occurs as a fine, white to slightly-yellow powder and is freely soluble in methanol and dimethyl sulfoxide (DMSO), soluble in isotonic saline solution, sparingly soluble in water and ethanol, slightly soluble in ethyl acetale, and insoluble in heptane.

Leappro (escitalopram oxalate) is available as tablets or as an oral solutions.

Lexapro tablets are film-coated, round tablets containing escitalogram Leapto lacelis Se lem Nocides, Jonal Esses containing ecitologram base. The 10 and 20 mg tables et society, jm., and 20 mg ecitologram base. The 10 and 20 mg tables are society. The tables das contain the following native impedients tail; concommelates socialism, microoys-taline calluses closified allicino dioxide, and magnesium separati. The film conding contains lyapromotiose, tetainum dioxide, and polyethylene glycol. Leapto or all solution contains escillatopram outains equivalent to 1 mg/ml. escillatopram basis in also contains the following inactive ingre-Ingine Esclaspia mase it also officials the individual in adult in dients sorbitot, purified water, chiric acid, sodium citrate, malic acid, glyc-erin, propylene glycol, methylparaben, propylparaben, and natural pep-permint flavor. CLINICAL PHARMACOLOGY

Pharmacodynamics
The mechanism of antidepressant action of escitalopram, the S-enantiomer of racemic citalopram, is presumed to be linked to potentiation of
serotonergic activity in the central nervous system (CNS) resulting from its
inhibition of CNS neuronal reuptake of serotonin (6-HT). In vitro and in vivo inhibition of OISh externoral respublie of servition (6-HT). In vitro and in vito studies in aminals suppost the estologism is a highly selection are subject selections. The control in ya, uppairme (u-j.g.) insurame (m-j.g.) muscarine, (m-j.g.) and Detrozine zaepien receptors. Schalaporim also ose not bird fo, n rhis ow affinity for, various ion channels including Nat, Kr. Cir., and Ca++ channels. Antiagonism of muscarine, listenimergie, and adrenergic receptors to be associated with various antichrolinergic, seda-tive, and cardiovascular side effects of other psychotropic drugs. Pharmanolineties.

The single- and multiple-dose pharmacokinetics of escitalopram are linea The single—and multiple-dose phermacokinetics of esciladopran are linear and dose-proportional in a dose range of 10 to 30 mg/day. Biotransformation of esciladopran is mainly hepatic, with a mean terminal half-lied robudy 72-forus. With once-daily dosing, steady state plasma concentrations are achieved within approximately one week. At steady state, the extent of accumulation of esciladopran in plasma in page healthy subjects was 2.2.55 times the plasma concentrations observed after a single dose. The ballet and the oral solution dosage forms of esc-tadopran oxalde are bioequivalent.

naturant variate are orequivalent.

Absorption and Distribution

Following a single oral dose (20 mg tablet or solution) of escitalopram, peak blood levels occur at about 5 hours. Absorption of escitalopram is

pear biolor levels occur at about 9 floors, repositions of escrizional in not affected by flood.

The absolute bioavailability of citalopram is about 80% relative to an intravenous dose, and the volume of distribution of citalopram is about 12 L/kg. Data specific on escitalopram are unavailable.

The binding of escitalopram to human plasma proteins is approximately resident.

Metabolism and Elimination

Metabolism and Elimination following oral administrations of esolatiopram, the fraction of drug recovered in the urine as esolatiopram and 5-demethylotatopram (SDCT) is about 05% and 10%, respectively. The oral clearance of esolatiopram is 600 mU/min, with approximately 7% of their due to renal desenance. Escalatiopram is relationated to SDCT and 5-defemeltylotatopram (SDCT) Escalatiopram is relationated to SDCT and 5-defemeltylotatopram (SDCT) in planta. All steady state, the concentration of the escalatiopram relationation for the social properties of the social properties of the escalatiopram relations.

in plasma. At stacky state, the concentration of the escalaryers metabolistic SC in the SC of in plasma is approximately one-finite bott of including section that the collaryers metabolistic SC of including a legislation of the scalaryers are latest 2 and 27 times one potent than SC bOCT was not detectable in most subjects. In vitro studies show that escalarizers are latest 2 and 27 times one potent than SC bOCT and SC bOC

compared to younger subjects in a single-dose and a multiple-dose study.
Escitalopram AUC and half-life were increased by approximately 50% in

Gender - In a multiple-dose study of escitalopram (10 mg/day for 3 weeks) in 18 male (9 elderly and 9 young) and 18 female (9 elderly and 9 young) subjects, there were no differences in AUC, C_{max}, and half-life between the male and female subjects. No adjustment of dosage on the basis of

educed hepatic function - Citalopram oral clearance was reduced by 37% and half-life was doubled in patients with reduced hepatic function compared to normal subjects. 10 mg is the recommended dose of esci-talopram for most hepatically impaired patients (see DOSAGE AND ADMINISTRATION). Reduced renal function - In patients with mild to moderate renal function

Reduced ereal function - In palients with mild to moderate renal function impairment, not descarce of citologram senduced by 17% compared to normal subjects. No adjustment of dosage for such palients is recommended. No information is available about the pharmacointeriors of escitatorpara in patients with severely reduced renal function (preatinine clearance 2.2 ml/mlm). Pour-Dun Interactions:

In vitre straym exhibition data did not reveal an inhibitory effect of esci-

talopram on CYP3A4, -1A2, -2C9, -2C19, and -2E1. Based on in vitro data, escitalopram would be expected to have little inhibitory effect on in vivo escitationam would be expected to have title enholding elect on in view metabolism metables by these pictorhores. While in vivo data be stated this question are limited, results from drug riteraction studies suggest that escilationar, at a once of 20 mg, has no 344 minibity effect and once st 20° mg has no 344 minibity effect and once st 20° mg has no 344 minibity effect of 344 mg has not established in one validate drug interactions under PRECAUTIONS for more detabled information on available drug interaction data.

Clinical Efficacy Trials

The efficacy of Lexapro as a treatment for major depressive disorder was established in three, 8-week, placebo-controlled studies conducted in outpatients between 18 and 65 years of age who met DSM-IV criteria for major depressive disorder. The primary outcome in all three studies was change from baseline to endpoint in the Montgomery Asberg Depression Rating Scale (MADRS).

A fixed-dose study compared 10 mg/day Lexapro and 20 mg/day Lexapro to placebo and 40 mg/day citalopram. The 10 mg/day and 20 mg/day

eatment groups showed significantly greater mean improve-pared to placebo on the MADRS. The 10 mg and 20 mg Lexapro

groups were similar on this outcome measure.

In a second fixed-dose study of 10 mg/day Lexapro and placebo, the

in a second inservoires serior (or in inglist) except and pascen, or in mydisty Lexappor testiment group showed significantly greater mean improvement compared to placebo on the MADRS. In a flexible-obee study, comparing Lexappo, thrated between 10 and 20 mydist, to placebo and citalogram, thrated between 20 and 40 mydisty. Lexappor terrelanent group showed significantly greater mean improvement compared to placebo on the MADRS.

ment compared to placebo on the MADHS. Analyses of the relationship between treatment outcome and age, gender, and race did not suggest any differential responsiveness on the basis of

these patient characteristics.

In a longer-term trial, 274 patients meeting (DSM-IV) criteria for major depressive disorder, who had responded during an initial 8-week, open-label treatment phase with Lexapro 10 or 20 mg/day, were randomized to continuation of Lexapro at their same dose, or to placebo, for up to 36 weeks of observation for relapse. Response during the open-label phase was defined by having a decrease of the MADRS total score to ≤ 12 was cereined by having a overease or me invursh total score to \$1.2 kg. Healpse during the double-blind phase was defined as an increase of the MADRS total score to \$2.2 or discontinuation due to insufficient clinical response. Patients receiving continued Leagure experienced a significantly longer time to relapse over the subsequent 36 weeks compared to those receiving placebo. Generalized Anniety Disorder

Generalized Anxiety Disorder The efficient of League on the treatment of Generalized Anxiety Disorder (GID) was demonstrated in three, 8-week, multicenter, leachle-deck placebo-controlled studies that companed League 10-20 mildgly to placebo in outgatents between 18 and 80 years of age who met DSM-10 ordinate for GRU. In althree studies, League showed syntificating yeater mean improvement compared to placebo on the Hamilton Anxiety Scale (HAM-A).

There were too few patients in differing ethnic and age groups to ade-quately assess whether or not Lexapro has differential effects in these groups. There was no difference in response to Lexapro between men and

Major Depressive Disorder Lexapro (escitalopram) is indicated for the treatment of major depressive

The efficacy of Lexapro in the treatment of major depressive disorder was established in three, 8-week, placebo-controlled trials of outpatients

Intelligible of the controlled this of organizes described with a sestablished in the Re-Week placebo-controlled this of organizes sestablished in the Re-Week placebo-controlled this of organizes whose diagnoses corresponder most closely to the DSHAY category of larging depressive disord jees CUINCLP PHARMACOLOGY. A major depressive directly self-organized repressive proposed progression and proposed progression depression and the usually interferes with daily functioning, and includes all teach most the usually interferes with daily functioning, and includes all teach most progression and the progression of the progression of

(see Clinical Efficacy Trials under CLINICAL PHARMACOLOGY) (see Clinical Emiscay) rinals under Clinical PHARMACULGYT.

Neverthless, the physician who elects to use Leapon for extended periods should periodically re-evaluate the long-term usefulness of the drug for the individual patient (see DOSAGE AND ADMINISTRATION).

Generalized Anxiety Disorder

Lexapro is indicated for the treatment of Generalized Anxiety Disorder

The efficacy of Lexanm was established in three 8-week inlaceho-con The efficacy of Leapho was established in three, it-week, placebo-com-trolled trisks in petition with GAD (see CAUGAET-PRARMACOLOSY). Generalized Anxiety Disorder (DSIA-VI) is characterized by accessive anni-tive and work placephase expectation files of the presenter for at least 6 months and which the person finds difficult to control. It must be associated and with at least 3 of the following symptoms: restlessness or feeling keyed up or on edge, being easily fatigued, difficulty occretating or mind ports plate, intalkin, muscle teators, and sleep disturbance. keyed up or on edge, being easily langues, difficulty concentrating or mind going blank, irritability, muscle tension, and sleep disturbance.

The efficacy of Lexapro in the long-term treatment of GAD, that is, for more than 8 weeks, has not been systematically evaluated in controlled

trials. The physician who elects to use Lexapro for extended periods should periodically re-evaluate the long-term usefulness of the drug for

Concomitant use in patients taking pimozide is contraindicated (see Drug Interactions – Pimozide and Celexa).

Interactions – Principle and Celexal.

Lexapro is contraindicated in patients with a hypersensitivity to escitalopram or citalopram or any of the inactive ingredients in Lexapro.

WARNINGS-Clinical Worsening and Suicide Risk

Cinical Worsening and Suicitie Risk Patients with major depressive disorder (MDD), both adult and pediatric, may experience worsening of their depression and/or the emergence of suicidal ideation and behavior (suicidality) or unusual changes in behavior,

whether or not they are taking antidepressant medications, and this risk may persist until significant remission occurs. There has been a long-standing concern that antidepressants may have a role in inducing worsening of depression and the emergence of suicidalty in certain patients. Antidepressants increased the risk of suicidal thinking and behavior (sui-

entify to oppresson and the entergency or subculsery in certain parents. Annidepressins fromcreased the risk of suicidal thinking and behavior (suicidality) in short-term studies in children and adolescents with Major Depressive Doctore (MDO) and other psychiathic disorders. Pooled analyses of short-term placebo-controlled thiss of 9 antidepressand drugs (SSR) and others) in children and adolescents with MDO, OCO, or other psychiathic disorders is total of 24 trials involving over the proposition of th rediatric patients extends to longer-term use, i.e., beyond several orths. It is also unknown whether the suicidality risk extends to adults. All pediatric patients being treated with antidepressants for any indica-tion should be observed closely for clinical worsening, suicidality, and unusual changes in herbiror, especially during the initial ew months of a course of drug therapy, or at times of dose changes, either increases or decreases. Such observation would generally include at least weekly face-to-face contact with patients or their family members or care-

face-to-face contact with patients or their family members or care-jeries during the first 4 weeks of thematine, then every other weis-tins for the next 4 weeks, then at 12 weeks, and as clinically indicated beyond 12 weeks, Additional contact byte telephone may be appropriate between face-to-face visits. Adults with MDO or co-motioid depression in the setting of other psy-chiatric illness being treated with antidepressants should be observed initially for clinical worseing and suicidist, especially during the in-tial few months of a course of drug therapy, or at times of dose chances, either increases or decreases. ses or dec

change, either increases or decreases. The following symptoms, anieke, patiation, paria attacks, insomma, in-tability, hostility, aggressiveness, impulsivity, siadhisia (psychrontor resi-tesserses), hyponami, and mania, have been reported in adult and pedi-atic patients being treated with antidepressants for major depressive dis-order as well as for their incidations, both perhabitine and morpsychiation. Although a caused link between the emergence of such symptoms delither the vorsening of depression and other the emergence of said imputes has not been established, there is concern that such symptoms

impulses has not been established, there is concern that such symptoms may represent preservats to emerging saidfally.
Consideration should be given to changing the threapartic regimen, including possibly discontinuing the medication, in patients whose depressions is persistently worse, or who are experiencing emergent suid-daily or symptoms that might be precursors to worsening depression or coiscidile, expectagly if these symptoms as severe, abrupt in onset, or were not part of the patient's presenting symptoms. If the decision has been made to discontinuities teament, medication should be tapered, as rapidly as is feasible, but with recognition that about discontinuition can be associated with certain symmtoms (see

About discontinuation can be associated with certain symptoms (see PRECAUTIONS and DOSAGE AND ADMINISTRATION—Discontinuation of Treatment with Lexapro, for a description of the risks of discontinuation of Lexapro.

of Teatment with Lexapon, for a description of the risks of discontinuation of Lexapro).

Families and caregivers of pediatric patients being treated with antidepressants for major depressive disorder or other indications, both psychiatric and nonpsychiatric, should be alerted about the need to monitoring a continuation of the properties of the emergence of suitabilion, rintballion, unusual changes in behavior, and the other symptoms described above, as well as the emergence of suidadilist, and to report such symptoms immediately to health care providers. Such monitoring should include daily observation by families and caregivers. Prescriptions for Lexapon should be written for the smallest quantity of tablets consistent with good patient management, in order to reduce the risk of overdose. Families and cregivers of adults being treated for depression should be similarly advised. Screening Patients for Blooker Users of the State Screening Patients of Blooker Users of the State Screening Patients of Blooker Somethers and state of the state of

determine if they are at risk for bipolar disorder; such screening should

oetemme in they are at risk for opporal assorters, such screening should include addiedlar opporalistic history, including a family history of suicide, bipolar disorder, and depression. It should be noted that Leagno is not approved for use in healing holpiar depression, inhibitors. In patients receiving servotine insulative inhibitor drugs in combination with a monoamine outdoes inhibitor (MAOL), there have been reports of services, sometime Salt, reactions including hyperthermia, indicating services, sometime Salt, reactions including hyperthermia, and vital dismost and reaction state of the sound in the so myoctonus, autonomic instability with possible rapid fluctuations of vital signs, and mental status changes that include extreme aglation progressing to delirium and coma. These reactions have also been propried in patients who have recently discontinued SSIP treatment and have been started on an MAOL Some cases presented with feature resembling neuroleptic malignant syndrome. Furthermore, limited arimal data on the effects of combined use of SSRIs and MAOS suggest mal data on the effects of combined use of SSRIs and MAOIs suggest that these drugs may cap regregistically be elevate blook plore pressure and evoke behavioral excitation. Therefore, it is recommended that League should not be used in combination with a MAOI, or within 14 days of disconfinning treatment with an MAOI. Similarly, at least 14 days should not be used to the state of the state of

General Discontinuation of Treatment with Lexagor During marketing of Lexagor and other SSRs and SNRs Section in an onceping-thire requisely inhibitors, there have been spontaneous reports of adverse events occurring upon discontinuation of these drugs, particularly when abrupt, Industry the following-deportion mout, irritalized systems, sensory disturbances Seg., paresthesies such as electric shock seastations, quively confusion, headebe, leithargy, entrollorial lability, insomins, and hypomania. While these events are generally self-limitation and processing and promatical states of the second of advanced profontations synthesis.

ny, incomes, and hypomania. While these events are generally self-imine, there have been reports of services desontinuation symptoms. Patients should be monitored for these symptoms when discontinuation treatment with Lauspon. A gradual reduction in the dose rather than abungt cessation is recommended whenever possible. If inhierable symptoms cour following a decrease in the dose or your discontinuation of treatment, then resurring the previously prescribed dose may be considered. Schessmelft, the division may continue discression the dose that if a Schessmelft, the division may continue discression the school services and continued to the school of Subsequently, the physician may continue decreasing the dose but at a more gradual rate (see DOSAGE AND ADMINISTRATION).

rudosited registras have discontenter via occuration of oceaning speciated in patients based with psychotopic drugs that interfere with section requisite. Obsequerie pedemological statistics, both of the section requisite. Obsequerie pedemological statistics association between use of psychotopic drugs that interfere with section requisite and the occurrence of upone pestimetristical bleeding. In two studies, concurred use of a musterioristic all-internatively policitation of the rich of the occurrence of the proposition of the rich or the occurrence of the proposition of the rich or the occurrence of the proposition of the rich or the occurrence of the proposition of the rich or the occurrence of the proposition of the rich occurrence of the proposition of

studies focused on upper gastrointestinal bleeding, there is reason to believe that bleeding at other sites may be similarly potentiated. Patients should be cautioned regarding the risk of bleeding associated with the itant use of Lexapro with NSAIDs, aspirin, or other drugs that

Hyponatremia Cases of h Hyponathemia Cases of hyponathemia and SIADH (syndrome of inappropriate antidiuretic hormone secretion) have been reported in association with Lexapro treat-ment. All patients with these events have recovered with discontinuation of escitalopram and/or medical intervention. Hyponathemia and SIADH have also been reported in association with other marketed drugs effective in the treatment of major depressive disorder.

the in the Instalment of maps of depressive uscourse. Activation of Maria Hymomania. In placebo-controlled trials of Lesapro in major depressive disorder, acti-vation of mania Hymomania user reported in one (b.1%) of 715 patients treated with Lexapro and in none of the 582 patients treated with placebo. One additional case of hymomania has been reported in association with Lexapro treatment. Activation of mania Hymomania has also been reported in a small proportion of patients with image railbrude disorders treated with racemic citalogram and other marketed drugs effective in the treatment of static demandaria. General Early and static demandaria and static administrations. major depressive disorder. As with all drugs effective in the treatment of major depressive disorder, Lexapro should be used cautiously in patients with a history of mania.

mini a risuscy or mans. Secure Science Although a footbornel an effects of racemic citalopram have been doesned in arimal Studies, Lexopro has not been systematically evalu-ated in paints with a secure disorder. These patients were coulded from milited Studies draing the products premarketing lesting, in cinical hard commission of the commission has been reported in association with Cusagno teasiner. Like other drugs effective in the treatment of

with Lexapor teatiment. Like other drugs effective in the teatiment of unique depressive disorder, Lexapor should be inflorableed with care in patients with a history of search advorted.

Intelletence with Occanive and Motor Performance. In a study in normal voluntaese, Lexapor 10 mg/day did not produce impairment of inflatectual function or psychomotrop reformance. Because any psychosotive drug may impair judgment, thinking, or motor shifts, and however, patients should be cautioned about operating literations of the control machinery, including automobiles, until they are reasonably certain that Lexapro therapy does not affect their ability to engage in such activities.

Use in Patients with Concomitant Illness
Clinical experience with Lexapro in patients with certain concomitant systemic linesses is limited. Caution is advisable in using Lexapro in patients with diseases or conditions that produce altered metabolism or hemodynamic responses. Lexapro has not been systematically evaluated in patients with a recent

Leapon has not been systematically evaluated in patients with a recent history of myocardial interfactor or unstalled heard disease. Patients with these diagnoses were generally sockuled from clinical studies during the product's premarkeling testing. In subjects with hepatic imparient, clearance of racenic citalopram was decreased and plasma concertrations were increased. The recom-mended dose of Leapon in hepatically impaired patients is 10 migridaly see DOSACE AND ANMINISTRATION.)

Because escitalopram is extensively metabolized, excretion of unchanged drug in urine is a minor route of elimination. Until adequate numbers of patients with severe renal impairment have been evaluated during chronic treatment with Lexapro, however, it should be used with caution in such patients (see DOSAGE AND ADMINISTRATION).

Physicians are advised to discuss the following issues with patients for

Physicians are advised to discuss the billowing issues with patients for whom they prescribe Leagno. In a study in normal voluntees, Leapno 10 mg/day did not impair pychomotro performance. The effect of Leagno on psychomotro coordination, judgment, or thinking has not been systematically examined in comboled studies. Because psychoachie deviges migraing judgment, brighting, or motor skills, patients should be castioned about operating hearandous machines, founding advomables, until they are second in that leagnon therapy does not affect their ability to engage in such activities.

Patients should be told that, although Lexapro has not been shown in reaems should be too that, although Lesaph has not been shown in experiments with moral subjects to Increase the mental and motor skill impariments caused by alcohol, the concomitant use of Lexapho and alco-hol in depressed polarities in the advised. Patients should be made aware that escitatopram is the active isomer of Celeria (clashpram hydrotromide) and that the two medications should not be taken committantly.

Patients should be advised to inform their physician if they are taking, or plan to take, any prescription or over-the-counter drugs, as there is a

Patients should be cautioned about the concomitant use of Lexapro and Patents should be cautonied about the concomitant use of Lexapho and NSADIAs, saprin, or both drugs that faller coagulation since the contained use of psychotropic drugs that interfere with servitionin reuptake and these agents has been associated with an incressed risk of bleeting. Patients should be advised to notify their physician if they become preg-nant or interface become pregnant during therapy. Patients should be advised to notify their physician if they are breastfeed-ion an interf

Ingain fribit. When you do improvement with Lexapro therapy in 1 to 4 weeks, they should be advised to continue therapy as directed. Prescribers or other health professionals should inform patients, their families, and their caregives about the benefits and risks associated with treatment with Lexapro and should counsel them in its appropriate use. A patient Medication Guide About Using Antidepressant in Orbital and Telerapysis is available for Lexapro. The prescriber or health professional solution should instruct patients, their families, and their caregivers to read the Medication Guide and should assist them in undestanding its contents. Patients should be seven the consortium to discuss the contents of the The complete text of the Medication Guide is reprinted at the end of this ocumen. Patients should he advised of the following issues and asked to alert their

scriber if these occur while taking Lexapro.

nical Worsening and Suicide Risk: Patients, their families, and their Cinical Worseing and Suicides Pilia. Patients, their families, and their canejures should be encouraged to be afert to the emergence of amough againston, paris attacks, insomria, mithalli, hostilly, aggressiveness, impulsiviry, additional point additional properties of the parison of the control of the parison of the control of the parison of suicide decisions in adjusted up or down. Families and caregives of patients should be achiesed to boxer for the emergence of such symptoms on adapticular parison of the patients of the parison of the patients procedure or health professional, especially if they are severe, atmupt in onset, or were not part of the patients procedure or health professional, especially if they are severe, atmupt in onset, or were not part of the patients procedure or health professional, especially if they are severe, atmupt in onset, or were not part of the patients procedure or health professional control of the patients procedured in a increased risk for suicidel thinking and behavior and indicate a need for very close monitoring and possibly charges in the medication.

Laboratory Tests

There are no specific laboratory tests recommended. Citalopram - Since escitalopram is the active isomer of racemic citalo-pram (Celexa), the two agents should not be coadministered.

Drug Interactions
CNS Drugs - Given the primary CNS effects of escitalopram, caution should be used when it is taken in combination with other centrally acting

the use of alcohol by patients taking Lexapro is not recommended.

Monoamine Oxidase Inhibitors (MAOIs) - See CONTRAINDICATIONS and

Drugs That Interfere With Hemostasis (NSAIDs, Aspirin, Warfarin, etc.) Drugs That Interfers With Hemostasis (NSAIDs, Aspirin, Warfarin, etc.). Servitain relaces by platiels plays an important rule in hemostasis. Epidemiological studies of the case-control and cohort design that have demonstrated an ascodiant between use of psychotropic orbital has the interfere with servicini respitable and the occurrence of upper gastroin respitable and the occurrence of upper gastroin respitable and the occurrence or larger gastroin respitable and some of such danger commently with Europe. Climidation—I subjects with half arceived 21 days of 40 mg/day reservine clapsors, normined administration of 40 mg/day creatified in an increase in clatigoram AUC and C_{max} of 4% and 3% resulted in an increase in clatigoram AUC and C_{max} of 4% and support of the control o

citalopram or digoxin. Lithium - Coadministration of racemic citalopram (40 mg/day for 10 days) and lithium (0) mmol/day for Supys had no significant effect on the phar macokinetics of clalopram or lithium. Nevertheless, plasma lithium (lower should be montlood with appropriate adulstment to the lithium dose in accordance with standard clinical practice. Because lithium may enhance the serotonergic effects of eschalopram, caution should be exercised when Lexapro and lithium are coadministered.

Pimozide and Celexa - In a controlled study, a single dose of pimozide

minutide via Cletian. In a controllectivity, a single dose of princide and cletian. In a controllectivity, a single dose of princide and post and controllectivity of the cont

not affect the pharmacokinetics of warfarin, a CYP3A4 substrat Prothrombin time was increased by 5%, the clinical significance of which

is unknown.

Carbamazepine - Combined administration of razemic claipropum (40 mg/day for 14 days) and carbamazepine (thratel to 400 mg/day for 35 days) dark carbamazepine (thratel to 400 mg/day for 35 days) dark originating vident the phramocolinets of carbamazepine, a OYF244 substidie. Although trough claipropum plasma levels were undirect, given the comprehenduring properties of carbamazepine, the possibility that carbamazepine might novesse the clearance of escalabiprom should be considered if the two drugs are osatimateiened. Triazelam - Combined administration of razemic claipropum (thrated to 40 mg/day for 25 days) and the OYF344 substitute inszubine implication of triazelam - Combined administration of razemic claipropum (thrated to 40 mg/day for 25 days) and the OYF344 substitute feasiness placed to 10.25 mg/day and the OYF344 substitute feasiness placed in laborational color may be comprehended to the c

Ketocrascia - Combined administration of racemic citalopram (40 mg) and lebtocrascia (20 mg), a potent CPPAH inhibito, december 160 mg, a potent CPPAH inhibito, december 160 mg, and ALIC of lebtocrasciale by 17% and 10%, respectively, and did not significantly affect the pharmacokinets of citalopram. Ritosciar'- Combined administration of a single dose of ritorous' (600 mg), both a CPPAM substate and a potent inhibitor of CPPAM, and accidence para (300 mg), and and affect the pharmacokinetics of either ritorous' or escriziopram.

CYP3A4 and -2C19 Inhibitors - In vitro studies indicated that CYP3A4 and

-2C19 are the primary enzymes involved in the metabolism of escitalo-pram. However, coadministration of escitalopram (20 mg) and ritonavir (600 mg), a potent inhibitor of CYP3A4, did not significantly affect the

(o.V mig.; 3 pitent immitter or V-Y-94, or or V-94, or or or singularity and installable phemochanics of excitagionan. Because eschladopran is metabolized by multiple engine systems, withinfibor of a single engine may not approximately decease escilatopran clearante.

Drugs Metabolized by Optional Celerante.

Drugs Metabolized so escilatopran on CY-P26. In addition, steady state levels of areance citatogran were not significant more material artification and extra control of the co scale evers of racentic citatoprium wire not sugminizary oriments in poor metabolizers and multiple-dose administration of collaporan, suspensing that coadministration, with eschaporan, of a drug that rights (SPCPS). It unlikely to have clinically sejinicizent effects on escotaporan metabolism. However, there are limited in voic dass suggestion and executive production of the collaporan, it. or, coadministration of escotaporan (20 mg/dsy for 21 degs) with the trivial control of escotaporan (20 mg/dsy for 21 degs) with the city coll cardidepressace of the collection of the control of escotaporan (20 mg/dsy for 22 degs) with the city coll cardidepressace of the control of escotaporan (20 mg/dsy for 22 degs) with the city collection of escotaporan (20 mg/dsy for 20 mg/dsy for 20

had no clinically significant effects on blood pressure or heart rate. Electroconvulsive Therapy (ECT) - There are no clinical studies of the com-

bined use of ECT and escitalopram. Carcinogenesis, Mutagenesis, Impairment of Fertility

ram was administered in the diet to NMRI/ROM strain Hacemic citalopram was administered in the diet to inwinvbow stari mice and COBS WI strain rats for 18 and 24 months, respectively. There was no evidence for carcinogenicity of racemic citalopram in mice receiv-ing up to 240 mg/kg/day. There was an increased incidence of small intestine carcinoma in rats receiving 8 or 24 mg/kg/day racemic citalopram. A no-effect dose for this finding was not established. The relevance of thes

Mutagenesis
Racemic citalopram was mutagenic in the in vitro bacterial reverse muta-Racemic dialogram was mulaganic in the in vito bacterial reverse multi-tion assay (Ames test) in 2 of 5 bacterial strains (Saltmorella TA88 and TA1S3) in the absence of metabolic activation. It was clastopenic in the in vitor Chinese hamster lung cell assay for chromosomal aberrations in the presence and absence of metabolic activation. Racemic clariform was not mulaganic in the in vitor mammalian forward gene mulation assay (HPRT) in mouse hypmona cells or in a couple in vitrion vivor unsched-uled DNA synthesis (LDS) assay in nat liver. It was not clastogenic in the in vivo nouse micronucleus assays.

ram was administered orally to 16 male and 24 ment in actinic bilaction was administered usiny to finale and 2 female rats prior to and throughout mating and gestation at doses of 32, 48, and 72 mg/kg/day, mating was decreased at all doses, and fertility was decreased at doses ≥ 32 mg/kg/day. Gestation duration was increased at 48 mg/kg/day.

the ling year.

Pregnancy

Pregnancy

Regnancy (allowed and allowed and administration of escitatopram (56, 112, or 150 mg/kg/day) to pregnant animals during the period of
organogenesis resulted in decreased felal body weight and associated

Medication Guide

About Using Antidepressants in Children and Teenagers

What is the most important information I should know if my child is being prescribed an antidepressant?

Parents or guardians need to think about 4 important things when their child is prescribed an antidepressant:

- 1. There is a risk of suicidal thoughts or actions
- 2. How to try to prevent suicidal thoughts or actions in
- 3. You should watch for certain signs if your child is taking an antidepressant
- 4. There are benefits and risks when using antidepressants

1. There is a Risk of Suicidal Thoughts or Actions

Children and teenagers sometimes think about suicide, and many report trying to kill themselves.

Antidepressants increase suicidal thoughts and actions in some children and teenagers. But suicidal thoughts and actions can also be caused by depression, a serious medical condition that is commonly treated with antidepressants. Thinking about killing yourself or trying to kill yourself is called *suicidality* or *being suicidal*.

A large study combined the results of 24 different studies of children and teenagers with depression or other illnesses. In these studies, patients took either a placebo (sugar pill) or an antidepressant for 1 to 4 months. *No one* committed suicide in these studies, but some patients became suicidal. On sugar pills, 2 out of every 100 became suicidal. On the antidepressants, 4 out of every 100 patients became suicidal.

For some children and teenagers, the risks of suicidal actions may be especially high. These include patients

- Bipolar illness (sometimes called manic-depressive illness)
- A family history of bipolar illness
- A personal or family history of attempting suicide

If any of these are present, make sure you tell your healthcare provider before your child takes an antidepressant.

2. How to Try to Prevent Suicidal Thoughts and Actions

To try to prevent suicidal thoughts and actions in your child, pay close attention to changes in her or his moods or actions, especially if the changes occur suddenly. Other important people in your child's life can help by paying attention as well (e.g., your child, brothers and sisters, teachers, and other important people). The changes to look out for are listed in Section 3, on what to watch for.

Whenever an antidepressant is started or its dose is changed, pay close attention to your child.

After starting an antidepressant, your child should generally see his or her healthcare provider:

- Once a week for the first 4 weeks
- Every 2 weeks for the next 4 weeks
- After taking the antidepressant for 12 weeks
- After 12 weeks, follow your healthcare provider's advice about how often to come back
- More often if problems or questions arise (see Section 3) You should call your child's healthcare provider between visits if needed.

3. You Should Watch for Certain Signs If Your Child is Taking an Antidepressant

Contact your child's healthcare provider *right away* if your child exhibits any of the following signs for the first time, or if they seem worse, or worry you, your child, or your child's teacher:

- Thoughts about suicide or dying
- Attempts to commit suicide
- New or worse depression
- New or worse anxiety
- Feeling very agitated or restless
- Panic attacks
- Difficulty sleeping (insomnia)
- New or worse irritability
- Acting aggressive, being angry, or violent
- Acting on dangerous impulses
- An extreme increase in activity and talking
- Other unusual changes in behavior or mood

Never let your child stop taking an antidepressant without first talking to his or her healthcare provider.

Stopping an antidepressant suddenly can cause other symptoms.

4. There are Benefits and Risks When Using Antidepressants

Antidepressants are used to treat depression and other illnesses. Depression and other illnesses can lead to suicide. In some children and teenagers, treatment with an antidepressant increases suicidal thinking or actions. It is important to discuss all the risks of treating depression and also the risks of not treating it. You and your child should discuss all treatment choices with your healthcare provider, not just the use of antidepressants.

Other side effects can occur with antidepressants (see section below).

Of all the antidepressants, only fluoxetine (Prozac[™]) has been FDA approved to treat pediatric depression.

For obsessive compulsive disorder in children and teenagers, FDA has approved only fluoxetine (Prozac™), sertraline (Zoloft™), fluvoxamine, and clomipramine

Your healthcare provider may suggest other antidepressants based on the past experience of your child or other family members.

Is this all I need to know if my child is being prescribed an antidepressant?

No. This is a warning about the risk for suicidality. Other side effects can occur with antidepressants. Be sure to ask your healthcare provider to explain all the side effects of the particular drug he or she is prescribing. Also ask about drugs to avoid when taking an antidepressant. Ask your healthcare provider or pharmacist where to find more

- *Prozac® is a registered trademark of Eli Lilly and Company
- *Anafranil® is a registered trademark of Mallinckrodt Inc.

This Medication Guide has been approved by the U.S. Food and Drug Administration for all antidepressants.

delays in ossification at the two higher doses (approximately ≥ 56 times the maximum recommended human dose [MRHD] of 20 mg/day on a body surface area [mg/m²] basis]. Maternal toxicity (clinical signs and decreased body weight gain and food consumption), mild at $56\,$ mg/kg/day, was present at all dose levels. The developmental no-effect

Si mg/log/siy wis present all allose levels. The developmental no-effect does of Sim mg/logistic supportantles? When the MRHO on a regimination of the control of the strategy-richly was observed at any of the doese tested (as high as 15 times the MRHO on a mg/min basis). When female ratis were treated with eschladopram (6, 12, 24, or 48 mg/log/si) during pregnancy and hincoply wearing, sightly horsessed objecting mortality and growth estated into were noted at 48 mg/log/sily which is approximately 24 times the MRHO on a mg/min basis. Sightly horsessed internal tookly (birtical signs and decreased boy weight gain and foot consumption) was seen at 8 mg/log/sily. The no-effect of sew seen 12 mg/log/sily without is approximately of times the MRHO on a mg/min basis. In a minal reproduction studies, reservo cloptogram has been shown to have adverse effects on embryfetel and postural development, including testopological efforts, when administered of close growther has human in estimation.

therapeut closes. In two rate myself closes of the control of control o

study, no adverse effects on embryoffetal development were observed and does of nacemic challoparon du po 16 mg/digy. Thus, teriloparon dipolity and mydigy. Thus, teriloparon dipolity and mydigy. Thus, teriloparon dipolity and the rat and were not observed in the ratbot. When femile rats were breated with nacemic chalopram (4.8, 12.8, or 22 mg/by/disp) from late gestation through wearing, inversees of bispring mortally during the first 4 days after birth and presistent offspring growth relatations were observed at the highest dose. The no-effect dose was 2.8 mg/kg/disp. Minist effects on offspring mortality and growth were seen when dams were treated throughout pestation and early location at the case. > 20 mm/olicity A no-effect dose was not determined in that study. seen when dans were breaded throughout gestation and early laction of an early laction of the obsect 24 mg/log/log A, not-effect does want of determined in that study. There are no adequate and well-controlled studies in pregnant voncer; where therefore, escalaborar should be used foring pregnancy only if the potential benefit justifies the potential risk to the fetus. Pregnancy-Notroteappier (Effects S Pregnancy-Notroteappier (Effe

Neonates exposed to Leapon and other SSRIs or SNRIs, late in the third intensete, have developed complications requiring protonged hospitalization, respiratory support, and tube feeling. South complications can arise immediately upon delivery Reported clinical findings have included regardly distess, a prossis, aprese, seatures, imperentiare installing difficulty, vonthing, hypodysema, hypotronic, hyportensic, hyperentiare according to the control of t

When treating a pregnant woman with Lexapro during the third trimester Their treating a prejunt woman with example using a unit unitseet, the physician should carefully consider the potential risks and benefits of treatment (see DOSAGE AND ADMINISTRATION).

Labor and Delivery

The effect of Lexapro on labor and delivery in humans is unknown.

Nursing Mothers Racemic citalopram. like many other drugs, is excreted in human breast

malk. There have been two reports of infants experiencing excessive som-nolence, decreased feeding, and weight loss in association with breastfeeding from a citalopram-treated mother; in one case, the infant was reported to recover completely upon discontinuation of citalopram by its mother and, in the second case, no follow-up information was available. The decision whether to continue or discontinue either nursing or Lexapro therapy should take into account the risks of citalopram exposure for the infant and the benefits of Lexapro treatment for the m

Safety and effectiveness in the pediatric population have not been estab lished (see BOX WARNING and WARNINGS— Clinical Worsening and Suicide Riskl. One placebo-controlled trial in 264 pediatric patients with MDD has been conducted with Lexapro, and the data were not sufficient to support a claim for use in pediatric patients. Anyone considering the use of Lexapro in a child or adolescent must balance the potential risks

Geriatric Use Approximately 6% of the 1144 patients receiving escitalopram in con-Approximately 9% of the 1144 patents receiving sectalogram in con-trolled trials of Leagnon imagin depressive disorder and GAD were 60 years of age or older; olderly patents in these trials received daily doses of Leagno between 10 and 20 mg. The number of elderly patents in these trials was insufficient to adequately assess for possible differential effi-cacy and safety measures on the basis of age. Nevertheless, greater sen-sibility of some elderly individuals to effects of Lexapro cannot be ruled

In two pharmacokinetic studies, escitalopram half-life was increased by in proprietable studies solutions and the same and the sa

ADMINISTRATION, OF 472 patients in clinical studies of racemic citalopram, 1357 were 60 and over, 1734 were 65 and over, and 457 were 75 and over. No overall dif-ferences in safety or effectiveness were observed between these suits and younger subjects, and other reported clinical experience has no interest of the control of the control of the control of the control of clinified differences in responses between the eldorly and upper patients, but again, greater sensitivity of some elderly individuals cannot be nited out in

De ruied out.

ADVERSE REACTIONS

Advance event information for Lexapro was collected from 715 patients. Adverse event information for Lexapro was collected from 715 patients with major depressive disorder who were exposed to escitalopram and from 592 patients who were exposed to placebo in double-blind, placebocontrolled trials. An additional 284 patients with major depres commone trass, A automiza sez Aspenetrs wim nigor despressive cisorre were neuly exposed to escilatoriam in open-habel trials. The adverse event information for Leupon in patients with GAD was collected from 429 patients resposed to escilatoriam and from 427 patients exposed to placebo in double-blind, placebo-controlled trials. Adverse events furing exposus 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.

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 tables and tabulations that follow, standard World Hearth Organization (WHO) terminology has been used to classify reported adverse events. The stated frequencies of adverse events expenses the proportion of individuals with organizations of adverse events expenses the proportion of individuals with organization adverse event of the type islated. An event was considered treatment emergent if at occurred for the list time or worsened while receiving therapy following

Adverse Events Associates with uscommand on in resument Mayor Depressive Dissord patients who needed Licagon in placebo-Annong the 715 depressed patients who needed Licagon in placebo-combiled trials, 6% discontinued treatment due to an adverse event, as compared to 2% of 902 patients receiving placebo. In two floet-flows should, she have discontinuation for adverse events in patients receiv-ing 10 mg/der Licagon was not significantly different from the rate of dis-continuation for adverse events in patients becoming placebo. The rate of

discontinuation for adverse events in patients assigned to a fixed dose of 20 mg/day Lexapro was 10%, which was significantly different from the rate of discontinuation for adverse events in patients receiving 10 mg/day Lexapro (4%) and placebo (3%). Adverse events that were associated with the discontinuation of at least 1% of patients treated with Lexapro, and for which the rate was at least twice that of placebo, were nausea (2%) and ejaculation disorder (2% of male patients).

natisea (x-y) and epiculation solution (x-y) of male patients, Generalized Anniely Disorder
Annorg the 429 GAD patients who received Lexapro 10-20 mg/day in placebo-controlled trials, 8th discontinued treatment due to an adverse event, as compared to 4% of 427 patients neceiving placebo. Adverse event that were associated with the discontinuation of elast 1% of patients treated with Lexapro, and for which the rate was at least twice the

patients resided with Leapon, and for which the rate was at least twice the placebor date, were makes (2%), issummed (3%), and fatige (1%), and fatige (1%), and fatige (1%), and fatige (1%), incidence of Alverse Events in Reacebo-Controlled Cilinial Trials Mayir Depressive Disorder roce, rounded to the nearest percent, of treatment-emergent davies events that discover are not sufficient to the second among 715 depressed patients who received Leapon of doese ranging from 10 to 20 milliogly in placebo-controlled trials. Events included are those cocurring in 2% or more of patients treated with Lexapro and for which the incidence in patients treated with Lexapro was greater than the incidence in placebo-

parents ready with Exciption was yeare that it is indicated in places. The prescriber should be aware that these figures can not be used to pre-dict the incidence of adverse events in the course of usual medical prac-tice where patient characteristics and other factors differ from those which prevaled in the clinical trials. Similarly, the cited frequencies cannot be compared with figures obtained from other clinical investigations

be coinpared with figures obtained from other clinical investigations moving different trealments, use, and innestigators. The clote figures, howeve, do provide the prescribing physician with some basis for estimating the relative contribution of drug and non-drug factors of the adverse event incidence rate in the population studied. The most commonly observed adverse versts in Leszupo patients (incidence of approximately 9% or greater and approximately fives the incidence in plazebo patients) were incomised, enjoration disorder (primarily ejecutation) dealty, incusses, severing increased, fatigue, and somnolence (see TABLE 1).

TABLE 1

E 1). "

TABLE 1

Treatment-Emergent Adverse Events: Incidence in Placebo-Controlled Clinical Trials for Major Depressive Disorder | Percentage of Patients |

	Reporting Event)		
Body System /	Lexapro	Placebo	
Adverse Event	(N=715)	(N=592)	
Autonomic Nervous	()	()	
System Disorders			
Dry Mouth	6%	5%	
Sweating Increased	5%	2%	
Central & Peripheral			
Nervous System Disorders			
Dizziness	5%	3%	
Gastrointestinal Disorders			
Nausea	15%	7%	
Diarrhea	8%	5%	
Constipation	3%	1%	
Indigestion	3%	1%	
Abdominal Pain	2%	1%	
General			
Influenza-like Symptoms	5%	4%	
Fatigue	5%	2%	
Psychiatric Disorders			
Insomnia	9%	4%	
Somnolence	6%	2%	
Appetite Decreased	3%	1%	
Libido Decreased	3%	1%	
Respiratory System			
Disorders			
Rhinitis	5%	4%	
Sinusitis	3%	2%	
Urogenital			
Ejaculation Disorder ^{1,2}	9%	<1%	
Impotence ²	3%	<1%	
Anorgasmia ³	2%	<1%	
*Events reported by at least 2% of patients treated with Lexapro are			
reported, except for the following events which had an incidence on			

placebo ≥ Lexapro: headache, upper respiratory tract infection, back pain.

placebox 2 Leaguh Leaguh anxiety.

Primaniy ejaculatory delay.

Perimaniy ejaculatory delay.

Penominator used was for meles only (N=490 Lexapro; N=404).

placebo).

Generalized Anxiety Disorder

Table 2 enumerates the incidence, rounded to the nearest percent of treat-Table 2 enumerates his incidence, munded to the nearest persent of train-ment—emergent advises events that covered among 950 690 his who needwed. Leapon 10 to 20 mg/day in placebo-controlled trials. Events included are those occurring in 2% or more of patients breated with Leapon and for which the includence in placeths treated with Leapon was greater than the incidence in placebo-freated patients. The most commonly observed advises events in Leapon patients (inci-dence of approximately 5% or greater and approximately whose the inva-lence in placebo polestrisk were assess, equalization disorder place (ex Table 2).

TABLE 2 TABLE 2
Treatment-Emergent Adverse Events:
Incidence in Placebo-Controlled
Clinical Trials for Generalized Anxiety Disorder*
(Percentage of Patients Reporting Event)
Levanro Placeb

Body System /	Lexapro	Place
Adverse Event	(N=429)	(N=42
Autonomic Nervous		
System Disorders		
Dry Mouth	9%	5%
Sweating Increased	4%	1%
Central & Peripheral		
Nervous System Disorders		
Headache	24%	17%
Paresthesia	2%	1%
Gastrointestinal Disorders		
Nausea	18%	8%
Diarrhea	8%	6%
Constipation	5%	4%
Indigestion	3%	2%
Vomiting	3%	1%
Abdominal Pain	2%	1%
Flatulence	2%	1%
Toothache	2%	0%
General		
Fatigue	8%	2%
Influenza-like Symptoms	5%	4%
Musculoskeletal		
Neck/Shoulder Pain	3%	1%

B 1111 B1 1		
Psychiatric Disorders Somnolence	400/	70/
	13%	7%
Insomnia	12%	6%
Libido Decreased	7%	2%
Dreaming Abnormal	3%	2%
Appetite Decreased	3%	1%
Lethargy	3%	1%
Yawning	2%	1%
Urogenital		
Ejaculation Disorder ^{1,2}	14%	2%
Anorgasmia ³	6%	<1%
Menstrual Disorder	2%	1%
*Events reported by at least 2%	of patients treated with	Lexapro ar

*Levents reported by at least 2% of patients treated www Lexapror are reported, except for the following events which had an incidence on placebo ≥ Lexapro: inflicted injury, dizziness, back pain, upper respiratory tract infection, rhimits, pharyngits.

*Primarily ejacultory delay.

*Denominator used was for males only (N=182 Lexapro; N=195 placebo).

Dose Dependency of Adverse Events

Jose Upéridento of Advierse Levients
The potential dos despondency of common adverse events (defined as an
incidence rate of 25% in eller her 10 mg or 20 mg Lexapor groups) was
examined on the basis of the combined indicence of adverse events in
two fixed-dose trials. The order incidence rate of adverse events in
two fixed-dose trials, The order incidence rates of adverse events in
trong Lexapor-breated patients (65%), with the incidence rate in 20 mg/dsty, Lexaporteneds patients (65%), while the incidence rate in 20 mg/dsty, Lexaporteneds patients was organized (65%). Table 3 downs common adverse
tened patients was organized (65%). Table 3 downs common adverse treated patients was greater (60%). I alone 3 shows common adverse events that occurred in the 20 mg/day Lexapro group with an incidence that was approximately twice that of the 10 mg/day Lexapro group and approximately twice that of the placebo group.

Adverse Event	Placebo (N=311)	10 mg/day Lexapro (N=310)	20 mg/day Lexapro (N=125)
Insomnia	4%	7%	14%
Diarrhea	5%	6%	14%
Dry Mouth	3%	4%	9%
Somnolence	1%	4%	9%
Dizziness	2%	4%	7%
Sweating Increased	<1%	3%	8%
Constipation	1%	3%	6%
Fatigue	2%	2%	6%
Indigestion	1%	2%	6%
*Advarea avante with a	n incidence rat	onf at least 5% i	n aither of the

"Adverse events with an incidence rate of at least 5% in either of the Lexapro groups and with an incidence rate in the 20 mg/day Lexapro group that was approximately twice that of the 10 mg/day Lexapro group and the placebo group. Male and Female Sexual Dysfunction with SSRIs

Male altr entaile Sexual upsturiculor with SSNs Although changes in sexual desire, sexual performance, and sexual satis-faction often occur as manifestations of a psychiatric disorder, they may also be a consequence of pharmacologic treatment. In particular, service evidence suggests that SSRIs can cause such untoward sexual experi-

ances. Reliable estimates of the incidence and severity of untoward experiences relation estimates of the incolore and severity of immonity expansions in involving sexual diseits, performance, and satisfaction are difficult to obtain, however, in part because palients and physicians may be reluctant to discuss them. Accordingly, estimates of the noticence of unbound ser-ual experience and performance held in product thefaing are filially to Table 4-though the household and the production of the production Table 4-though the household relation of sexual side effects in patients with major depressive disorder and GAD in placebo-controlled trials.

	ABLE 4		
Incidence of Sexual Side Effect	s in Placebo-Contro	lled Clinical Trials	
Adverse Event	Lexapro	Placebo	
	In Males Only		
	(N=407)	(N=383)	
Ejaculation Disorder			
(primarily ejaculatory delay)	12%	1%	
Libido Decreased	6%	2%	
Impotence	2%	<1%	
	In Females Only		
	(N=737)	(N=636)	
Libido Decreased	3%	1%	
	00/	407	

There are no adequately designed studies examining sexual dysfunction with esoitalopram treatment.
Priapism has been reported with all SSRIs.
While it is diffunct to know the precise risk of sexual dysfunction associated with the use of SSRIs, physicians should routinely inquire about such

possible side effects.

Vital Sign Changes
Lexapro and placebo groups were compared with respect to (1) mean Exception are peaced or with a sign spice, systolic blood pressure, and disablic blood pressure, and disablic blood pressure, and disablic blood pressure) and (2) the incidence of patients meeting criteria for potentially official, spinificant changes from baseline in these variables. These analyses did not reveal any clinically important changes in wital signs associated with Lexapro teatment. In addition, a comparison of supine and stanting wital sign reasures in subjects receiving Lexapro indicated that Lexapro treatment is not associated with orthostatic

Weight Changes
Patients treated with Lexapro in controlled trials did not differ from placebo-treated patients with regard to clinically important change in body weight.
Laboratory Changes

Lexapro and placebo groups were compared with respect to (1) mean change from baseline in various serum chemistry, hematology, and urinalcrange from basemer in various serum cremmsty, memanousy, and unina-ysis variables, and (2) the incidence of patients meeting criteria for poten-tially clinically significant changes from baseline in these variables. These analyses revealed no clinically important changes in laboratory test para-meters associated with Lexapro breatment. meters associated with Lexapro treatment.
ECG Changes
Electrocardiograms from Lexapro (N=625), racemic citalopram (N=351),

Electroactinguams from Leapon (N=625), resemic citalogram (N=55), and placebo (N=57) groups were compared with respect to (1) mean change from baseline in various ECG parameters and (2) the incidence of patients meeting criteria to recentally critically significant changes from baseline in these variables. These analyses reveiled (1) a decrease in heart rate of 22 spm for Leapon and 2.7 spm for racemic citalograms compared to an increase of 0.5 pm for placebo and (2) an increase in compared to 50 mises for Jacobo, Deline Leapon on repension compared to 50.5 mest for Jacobo, Deline Leapon on repension compared to 50.5 mest for Jacobo, Deline Leapon on repension planomatiles.

apnormalities. Other Events Observed During the Premarketing Evaluation of Lexapro Orlie L'estas diserte du unit git e relationating Landauto in exaptive Following is a list of WHO terms that reflect treatment-emergent adverse events, as defined in the introduction to the ADVERSE REACTIONS sec-tion, reported by the 1428 patients treated with Lexapro for periods of up to one year in double-blind or open-label clinical trials during its premar-ketting evaluation. All reported events are included except those already listed in Tables 1 & 2, those occurring in only one patient, event terms that are so general as to be uninformative, and those that are unlikely to be drug related. It is important to emphasize that, although the events rred during treatment with Lexapro, they were not neces-

safty caused by it. Ebents are further categorized by body system and listed in order of decreasing frequency according to the following definitions: frequent adverse events are flores occurring on one or more occasion in site of 1/100 patients, infrincent adverse events are flores occurring in less than 1/100 patients but at least 1/1000 patients. Our continues of the section of the section

dia, tachycardia, ECG abnormal, flushing, varicose vein.

Central and Peripheral Nervous System Disorders - Frequent: light-headed

The property of the control of the c

tinal Disorders - Frequent heartburn, abdominal cramp, gas

orderleits. Improver is gastions-syntager letunit, bushing, adominal gastifitis, hemor-rhoids, agaging, polyposa spaticis, serallowing difficult. General - Frequent allergy, pain in link, berev, brit fushes, chest pain. Infrequent defens of extremities, chills (sightiess of chest, leg pain, asthmatic, syncope, maladee, enaphylaris, fall.

Hemic and Lymphatic Disorders - Infrequent bruise, anemia, nosebleed hemationa, lymphatic Disorders - Frequent increased weight, hepstic enzymes increased, good, hypercholestorolemia. Misculoskield System Disorders - Frequent arthratigia, myalgia. Infrequent jow stiffness, muscle carrain, muscle stiffness, arthritis, muscle waters, back disconfired, afforderly, joya pain, prist fiffience for service controller, afforderly, joya pain, prist fiffience for service services, back circumfet, afforderly, joya pain, prist fiffience for service services, or controller, and programmed. Infrequent fifteness, pain creation, agitation, apathy, togethiness, depression aggrarated, envolvesses, residenses and patholic particular controller, and programmed. Amenical production of controller, and programmed and production of controller, and patholic production of controller, and programmed and production of controller. The production of controller productions, carbon, depressional patholic production, depressional patholic production, depressional patholic production, depressional patholic productions, controller, depressional patholic productions, carbon, depressional patholic production, depressional patholic productions, controller, and production patholic productions, depressional patholic productions, carbon, depressional patholic productions, productions, depressional patholic productions, productions, depressional patholic productions, depressional patholic productions, productions, productions, depressional patholic productions, p drate cramp, confusion, depressinalization, disorientation, enformate lability, feeling unreal, bermulsouses nervous, cyring abnormal, depression, exclability, auditory hallucitation, suicidal fendency. Reproductive Bostrasi Femila² Frequent menstraal cramps, menstraal disorder, frifequent menorhaiga, breast neoplasm, pelvio inflammation, premenstratial syndrome, softling between menses.

"In based on femilae suitiests only. He 905
Repriatrally System Boorders - Frequent homothis, sinus congestion, coupling, nead congestion, sinus headache. Infrequent: asthme, breath softeness levenings incuryonis trachibia."

cougining, nasai congesion, sinus neadache. Infrequent: asinima, bream shortness, laryngitis, pneumonia, tracheitis. Skin and Appendages Disorders - Frequent: rash. Infrequent: pruritus, acne, alopecia, eczema, dermatitis, dry skin, folliculitis, lipoma, furunculo-

area, alopesia, excena, demaitis, dy skin, folloutis, lipoma, furunoulo-sis, dy loss dis module. Special Senses - Frapeutri vision blurnd, frintus, Infrapeutri taste alteration, escarbe, conjunctivitis, vision abnormad, dy rejes, sey interitation, visional disturbance, eye intendron, pupils didied, metalic taste. Uhriany System Discorders - Frapeutri viriany flequency, uhray tract infection, infrapeutri viriany request, koling skinder, dysauta, blood in urine. Events Reported Subsequent to the Marketing of Eschladpriam Athlough no casal relicionish to eschladpriam testiment has been found, the following advisese events have been reported on three courted in pulletts and to be temporally associated with eschladpriam testiment during postimatedning experience and view en ot observed outring the pre-marketing evaluation of eschladpriam athomizing alst, auchie result failung-agression, argicedema, afria fibrilation, dipplopia, dystonia, eutrapyramical discorders, agestimisterial whemmings, grand mal seizumes for consistents, preparities with a seminary paint and seizumes for consistents, preparities, important infraction, reutraligic maligi-anti-syndrome, or christatic hypotension, parocreatifis, pulmonary nart, syndrome, orthostatic hypotension, pancrealitis, pulmonary embolism, OT prolongation, rhabdomyolysis, seazures, serotion syn-drome, SIADH, thrombortopopen, torsades de pointes, toxic epidemal necrolysis, ventricular tachyradria and visual hallicinations. Events Reported Subsequent to the Marketing of Racemic Citalopram Patricular tachyradia and visual hallicinations.

found, the following adverse events have been reported to have occurred in palieta sard to be temporally associated with raceritic chalopram treatment and ween of chosered during the premarkeling evaluation of tellaboratma coute rend failure, akathisia, allergic reaction, anaphylastis, angioedems, chroreathelosis, delirum, dyshiesas, ecohymos, erythema multiforme, gastrioritestinal hemorthage, grand mal sezures for convasions, hemolifor aemini, hepatic nerosis, myodouns, envoise profromnia yeardessed, Ol rodronglani, habdomyolysis, serborioni syndrome, soprataevous abortion, thrombosytoperia, thrombosis, torsades depointes, toric ejedemal necrolysis and ventricular arthyfimia.

DRUA ABUSE AND DEPENDENCE

Ontholed Studence Class

Controlled Substance Class
Lexapro is not a controlled substance.
Physical and Psychological Dependence
Animal studies suggest that the abuse liability of racemic citalopram is
low, Lexapro has not been systematically studied in humans for its potenlow. Lexapon has not been systematically studied in humans for its pottern fair abuse, believance, or physical dependence. The permarkeling clinical experience with Lexapon did not reveal any drug-seeking behavior. However, these observations were not systemic and it is not possible to predict on the basis of this limited experience the extent to which a CNS-active drug will be imassed, diverted, and/or abused once marked. Consequently, physicians should carefully evaluate Lexapon patients of this limited consequently, physicians should carefully evaluate Lexapon patients for signs of misses or abuse (e.g., development of belienance, incrementations of dose, drug-seeking thenior). OVERDOSAGE

OVENDOSAGE
Human Experience
In clinical trials of eschalogram, there were reports of escitalogram overdose, including overdoses of up to 600 mg, with no associated fatalities.
During the postmarketing evaluation of escitalogram, Lexagro overdoses
involving overdoses of over 1000 mg have been reported. As with other
SSR1s, a fatal outcome in a patient who has taken an overdose of esci-

calopram has been rarely reported.

Symptoms most often accompanying escitalopram overdose, alone or in combination with other drugs and/or alcohol, included convulsions, coma, dizziness, hypotension, insomnia, nausea, vomiting, sinus tachycardia, somnolence, and ECG changes (including QT prolongation).

Management of Overdose

Management of Overdose Establish and maintain an airway to ensure adequate ventilation and oxy-gention. Gastric executation by lange and use of activated chancel should be considered. Casel dosewants and crastice and stall grown bound be considered. Casel dosewants and crastice and stall grown constitution are recommended, along with general symptomatic and supportive case. Due to the large pointmen of distribution of establiques, more usual subsequent to the consideration of establishment of establishment be benefit. These are negative and today for Largam, In managing overdosage, consider the possibility of multiple-drug involve-ment. The physician should consider contacting a poison control center for additional information on the teatment of any overdose.

Initial Treatment

The recommended dose of Lexapro is 10 mg once daily. A fixed-dose trial of Lexapro demonstrated the effectiveness of both 10 mg and of Lexapro demonstrated the effectiveness of both 10 mg and 20 mg of Lexapro, but failed to demonstrate a greater benefit of 20 mg over 10 mg (see Clinical Efficacy Trials under CLINICAL PHARMACOLOGY). If the dose is increased to 20 mg, this should occur after a minimum of one week.

Lexapro should be administered once daily, in the moming or evening, with or without lost.

when of wintout root.
Special Populations
10 mg/day is the recommended dose for most elderly patients and patients with hepatic impairment.
No dosage adjustment is necessary for patients with mild or moderate reral impairment. Lexapor should be used with caution in patients with severe renal impairment.

ment of Pregnant Women During the Third Trimester

Recontest exposed to Lexapro and other SSRIs or SNRIs, late in the third trimester, have developed complications requiring prolonged hospitaliza-tion, respiratory support, and tube feeding (see PRECAUTIONS). When tion, respiratory sophicit, and time recently see Theodoriums, where the treating pregnant women with Lexapro during the third trimester, the physician should carefully consider the potential risks and benefits of treatment. The physician may consider tapering Lexapro in the third

trimester.

Maintenance Treatment

Maintenance Treatment
It is generally agreed that acute episodes of major depressive disorder require several months or longer of sustained pharmacological therapy beyond response to the acute pisode. Systematic evaluation of continual persons of 100 million processive disorder wine responded white taking Lespon Guring as Sewels, acute-benefand place demonstrated absented of sustainmentance treatment (see Clinical Efficacy Trials under CLINICAL PHARMACOLOGY). Nevertheless, patients should be periodically reassessed to determine the need for maintenance treatment.

Generalized Anxiety Disorde

The recommended starting dose of Lexapro is 10 mg once daily. If the dose is increased to 20 mg, this should occur after a minimum of one

week.
Lexapro should be administered once daily, in the morning or evening, with or without food.
Maintenance Treatment

win or without book. Maintenance Treatment Generalized anxiety disorder is recognized as a chronic condition. The efficacy of Lesgon in the treatment of GND beyond 8 weeks has not been systematically studied. The physician who elevable the long-term usefulness of the drug for the individual patient. Discontinuation of Testament with Lesapro Symptoms associated with discontinuation of Lesapon and other SSRIs and SNRIs have been reported (see PRECAUTIONS). Patients should be monitored for these symptoms when discontinuing heatment. A gradual reduction in the does rail bright and procession is encommended whenever possible, if intolerable symptoms occur following a decrease in the doctor on upon discontinuation of teatment, then resuming the previously prescribed dose may be considered. Subsequently, the physician may continued developing the dose but a form or gradual rails.

Switching Patients To or From a Monoamine Oxidase Inhibitor. At last 14 days should depote between discontinuation of an MAOI and inflation of Lespon therapy. Smitarly, at least 14 days should be allowed after stopping. Lesapon before starting a MAOI (see CONTRAINOCATIONS and WARNINISS).

e, round, non-scored, film-coated. Imprint "FL" on one and "5" on the other side.

10 x 10 Unit Dose NDC # 0456-2010-63

White to off-white, round, scored, film-coated.
"F" on the left side and "L" on the right side.
Imprint on the non-scored side with "10".
20 mg Tablets.
Bottle of 100.

NDC # 0456-2 ind, scored, film-coated. Imprint on scored side with

NDC # 0456-2020-01 10 x 10 Unit Dose NDC # 0456-2020-63
White to off-white, round, scored, film-coated. Imprint on scored side with

"F" on the left side and "L" on the right side.
Imprint on the non-scored side with "20".
Oral Solution:

one ocusion:

5 mg/5 mL, peppermint flavor (240 mL) NDC # 0456-2101-08

Store at 25°C (77°F); excursions permitted to 15 - 30°C (99-86°F).

Refinal Changes in Rats

Publiopiar-Pebar-14*

Refinal Changes in Rats
Pathologic changes degeneration/atrophyl were observed in the refinas
of althon oats in the 2-year carcinogenicity study with recent collaporam.
There was an increase in both involence and severity of retinal pathography in both made and female rats seceiving 30 mg/kg/dky. Smilar findings were
not present in rats receiving 20 mg/kg/dky of racemic cladopram for 18
months, or in dogs receiving up to 240 mg/kg/dky of racemic collaporam for 18
months, or in dogs receiving up to 30 mg/kg/dky of racemic collaporam for now vax.

Additional studies to investigate the mechanism for this pathology have not been performed, and the potential significance of this effect in humans has not been established.

has not been established. Cardiovascular Charges in Dogs in a one-year toxicotopy study, 5 of 10 beagle dogs receiving oral racemic citiadprand based of might globs gled studiestly between weeks 17 and 31 following initiation of treatment. Souther deaths were not observed in risk at does of racemic chalappran up to 21 might globs, within produced placemakers of the produced by the produced placemakers of the produced by the produced placemakers of the produced by the produced southers of the produced by the produced southers of the produced by the produced southers of the produced by the produced by the produced southers of the produced by the produced by the produced southers of the produced by the produced by the produced southers of the produced by the produced by the produced southers of the produced by the produced by the produced southers of the 8 mg/kg/day. A subsequent first revenous dosing study demonstrated the in beagle dogs, racemic DDCT caused QT prolongation, a known risk fact tor for the observed outcome in rhors.

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*Zoloft® is a registered trademark of Pfizer Pharmaceuticals