is (see DOSAGE AND ADMINISTRATION

Population Subgroups

hepatically impaired patients (see DOSAGE AND ADMINISTRATION). Reduced renal function - In patients with mild to moderate renal function impairment, oral clearance of citalopram was reduced by 17% compared to

normal subjects. No adjustment of dosage for such patients is recommended. No information is available about the pharmacokinetics of escitalopram in was considerable variation in risk of suicidality among drugs, but a tendency toward an increase in the younger patients for almost all drugs studied. There

wonpared to younger subjects in a single-dose and a multiple-dose study. Scatalopma AUC and half-life were increased by approximately 50% in toderly subjects, and Cmay was uncharged. To ing is the encommended dose for telderly qualents is gene DOSAGE AND ADMINISTRATION. Inder - In a multiple-dose study of escatalopmin (10 mg/day for 3 weeks) in 18 patients piece DOSAGE AND ADMINISTRATION). Gender – In a multiple-does study of sostilatorym (10 mg/day for 3 veeks) in 18 male (B eddry and 9 young) and 18 temaile (B eddry and 9 young) subjects. There were not differences in AUC, C<sub>mark</sub> and Tabilite Ebetwere the male and female subjects. No adjustment of dosage on the basis of gender is needd. Hald-IB was doubled in patients with network hypothesis function compared to mark solubled in patients with network hypothesis function compared to mark solubled in patients with network hypothesis function compared to mark solubled in galantes with network and patients function compared to mark solubled in galantes with network and patients function compared to mark solubled in galantes with network and patients function compared to mark solubled in galantes with network and patients function compared to mark solubled in galantes with network and patients function compared to mark solubled in galantes with network and patients function compared to mark solubled in galantes and patients and patients function compared to mark solubled in galantes with network and patients and 65 and older.

Telepius 3-00-1 and 24<sup>+</sup> channels. In vitro studies using human liver microsomes indicated that CYP3A4 and CYP2C19 are the primary isozymes involved in the N-demethylation of lopram pharmacokinetics in subjects ≥65 years of age were 65 and older. The pooled analyses of placebo-controlled trials in children and adolescents with MDD, obsessive compulsive elsowder (OCD), or other psychiatric disorders included a total of 4 don-term trials of a dandspressant cargos in oner 4000 patients. The pooled analyses of placebo-controlled trials in adults with MDD or other psychiatric disorders included a total of 258 short-term trials (median duration of 2 months) of 1 anticlepressant durgs in ower 71400 patients. Three short-term short-term short-term trials (median)

Experision and barriery to inflo or unusual changes in behavior, whether or not they are taking antickpressant medications, and his risk may pensist until significant metalsona cours. Studie is a shown risk of depression and certain other psychiatric disordes, and these disorders themselves are the strongest explorators of subdically in certain parket during the exploration of the psychiatric disordes, and these disorders themselves are the strongest antidopressant single. There has been as long-standing concern emergence of subdically in certain parket during the early places of treatment. Pooled analyses of short-term placebo-controlled trials or treatment. Pooled analyses of short-term placebo-controlled trials or treatment. Pooled analyses of short-term placebo-controlled trials or young abits gapes 12-04 with image depressive disorder (MDD) and other psychiatric disorders. Short-term subdies during the early beind age 26, there was a reduction with antidepressant compared to placebo in adults age 63 and dolts.

chladgraffall of any of the insurer ingruomical in schapes. WARNINGS Chinical Worsening and Suicide Risk Cinical Worsening and Suicide Risk Patients with major depressive disorder (MDD), both adult and pediatric, may preprincer worsening of their depression and/or the emergence of suicidal ideation and behavior publications and the risk may preprint until During marketing of Lexagro and other SSRIs and SSRIs (serutionin and norepinghnitre neurglasi mibilitors), there are been spontaneous reports of adverse events occurring upon discontinuation of these drugs, particularly when abute, including the following: optophoric model, irritability, agattaton, dizziness, sensory disturbances (g.g., paresthesias such as electric shock estanding, and experimentation) and the sense events are generally self-limiting, there have been reports of sensoria continuation angroupons. Patients should be monitored for these symptoms when discontinuing extension is an even and extension of the discontinuing

vomiting, diarrhea). The concomitant use of Lesapro with MAOIs intended to treat depression is contraindicatel (see CONTRAINDICATIONS and WARNINGS - Potential for interaction with Monoamine Oxtable shifthots). If concomitant treatment of Lesapro with a 5-hydroxytrystamine receptor agoint (hydra) a cinically warrated, called Josevation Of the patient is advised, particularly during theatment imitation and dose increases (see PRECADIONS - Drag Interactions). Free ro is contraindicated in patients with a hypersensitivity to escitalopram or pram or any of the inactive ingredients in Lexapro. serotonin precursors (such as tryptophan) is not recommended (see PRECAUTIONS - Drug Interactions).

Lexapro is con

re-evaluate the long-term usefulness DOSAGE AND ADMINISTRATION).

weeks, ras not been systematicary evaluated in controlled trails. The physician who elects to use Lexapro for extended periods should periodically re-evaluate the tong-term usefulness of the drug for the individual patient.

patients with severely reduced renal function (creatinine < 20 mL/min).

available drug interaction data. Clinical Efficacy Trials

idality and Antidepressant Drugs depressants increased the risk compared to placebo of suicidal

ntdegressents increased the risk compared to placebo of succide indiging and behavio succidarily in children, addescents, and youny dublis in short-term studies of major degressive disorder (NDD) and dublis positivities of the studies of major degressive disorder (NDD) and dublis positivities of the studies of major degressive disorder (NDD) and dublis short degressent in a child, addescent, or young adult must balance thirs in short degressent in a child, addescent, or young adult must balance thirs in short degressent in a child, addescent, or young adult must balance thirs in short degressent in a child, addescent, or young adult must balance thirs in short degressent in a child, addescent, or young adult must balance thirs in short degression in the short degree in the short degr

beyond age 24; there was a reduction in risk winn antibepressan compared to placebo in adults aged 65 and older. Depression and certai other psychiatric disorders are themselves associated with increases in th risk of suicide, Patients of all ages who are started on antidepressan

y should be monitored appropriately and observed closely worsening, suicidality, or unusual changes in behavior. Families a vers should be advised of the need for close observation a

caregivers should be advised of the need for close doservation and communication with the prescriber. Lexapro is not approved for use in pediatric patients. (See WARNINGS: Clinical Worsening and Suicide Risk PRECAUTIONS: Information for Patients, and PRECAUTIONS: Pediatriv

Lexapro® (escitalopram oxalate) is an orally administered selective serotonin reuptake inhibitor (SSRI). Escitalopram is the pure S-enantiomer (single isomer)

of the racemic bicyclic phthalane derivative citalopram. Escitalopram oxalate is designated S-(4)-1-[3-(dimethyl-amino)propy]]-1(-p-fluorophenyl)-5-phthalancarbonitrile oxalate with the following structural formula:

NC CH<sub>3</sub>

molecular formula is C20H21FN2O . C2H2O4 and the molecular weight is

Escitalopram 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 acetate, and insoluble in heptane.

Leagro teolitatio microatello, esvaltable as tablets or as an oral solution. Leagro teolitatios microatello, rout tables containing sociatopram oxalate in strengths equivalent to 5 m, 10 m, and 20 mg esotatopram tables. The 10 and 20 mg tablets are socied. The tablets also contain the following inactive ingredients: tab, crosscernelose sodium, microrystelline cellulose/colinatelline (solitone), tablets and polyettylene glycit. Leagro crait solution contains eschalprena nozalate equivalent to 1 mg/mL esotatopram base. It also contains the following inactive ingredients: solitul, esotatopram base. It also contains the following inactive ingredients: solitul, esotatopram base. It also contains the following inactive ingredients: solitul, collisione. Apreceding and natural peppermint flavo. CINIXCA. PAVEMIXCO.0001

The mechanism of antidepressant action of escitalopram, the S-enantiomer of

Intel medicatism of antidepresent action of exclosionary and, see "central-metric naceinc' childopenessis, is presured to be linked to potentiation of sectornegic activity in the central nervous system (ONS) resulting from its inhibition of CNS neuronal reuptake of sectoring i-1, in vitro and in vivo studies is namials suggest that esclostrams is a highly selective sectorian resplate inhibitor (SSRI) with minimal effects on norepinephrine and dopamine neuronal reuptake.

(SSR) with minimal effects on norganize/trime and dopamine neuronal reuplake. Escalaporta is at 164 of the operation of 8-HT neuronal filting rate. Tolerance to a model of antidepresent effect in rate was not induced by long-term (up to 6 views) treatment with escalaportan. Escalaporta has no or very out aftinity for sensoring (S-HT), a long the receptors including pathe and beet-adverged, dopamine ( $P_{\rm ed}$ , instamme ( $H_{\rm ed}$ , muscarinic ( $M_{\rm ed}$ ), and beet-adverged, dopamine ( $P_{\rm ed}$ , instamme ( $H_{\rm ed}$ , muscarinic ( $M_{\rm ed}$ ), and aftinity for sensoring. Escalaporta has do does not init (to r) that our aftinity for sensoring. Escalaporta and sodes not init (to r) that our aftinity for various ion channels including Net , Mr C, and C=+ channels.

annul you, values on chaines including har, h.y. or, and dat chaines. Antagonism of muscarinic, histamiergic, and adrenergic receptors has been hypothesized to be associated with various anticholinergic, sedative, and cardiovascular side effects of other psychotropic drugs.

escitalopram is mainly hepatic, with a mean terminal half-life dato 27-52 hours. With once-daily dosing, steady state plasma concentrations are achieved with approximately on evek A. Staady state. It exitent of accumulation of escitalopram in plasma in young healthy subjects was 22-25-times the plasma concentrations observed after a single dos 7. The tablet and the ord solution doscap-forms of escitalopram oxalate are bioequivalent. <u>Absorption and Josephan</u> dose (20 mg tablet or solution) of escitalopram. ceek

blood levels occur at about 5 hours. Absorption of escitalopram is not affected by food. 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 escilalopram are unavailable. The binding of escilalopram to human plasma proteins is approximately 56%.

Metabolism and Elimination Following oral administrations of escitalopram, the fraction of drug recovered in

nacokinetics ingle- and multiple-dose pharmacokinetics of escitalopram are linear and

nal in a dose range of 10 to 30 mg/day. Biotransformation of mainly hepatic, with a mean terminal half-life of about 27-32

<u>d Distribution</u> inde oral dose (20 mg tablet or solution) of escitalopram, peak

Lexapro (escitalopram oxalate) is available as tablets or as an oral solution Lexapro tablets are film-coated, round tablets containing escitalopram or

•C<sub>2</sub>H<sub>2</sub>O<sub>4</sub>

Q

DESCRIPTION

<2 min.minit. <u>Tomy-Doug Interactions</u> In with ensyme inhibition data ddn ot reveal an inhibitory effect of escitalopram on CYP34, -142, -03, -2013, and -2E1. Based on in witho data, escitalopram would be expected to have little inhibitory effect on in wive metabolism enaided by these cytochromes. While in work data to address this expection are limited, results from drug interaction studies suggest that escitalopram. at does of 20 m, pass on 24 hinithory effect. See Drug Interactions under PRECAUTIONS for more detailed information on metabloch dime interaction details.

Chinal Efficient Trials Major Depressive Desorter The efficiency of Lexagno as a treatment for major depressive disorder was established in three, 8-week, placebo-controlled studies conducted in outpatients between 18 and 59-years of age who met DSU-W orthera for major depressive disorder. The primary outcome all three studies are surgen form baseline to endpoint in the Montgomey Asberg Depression Rating Scale (MADRS). A fixed-foce study compared 10 mg/day (Lexagno and 20 mg/day Lexapo treatment groups showed significantly greater mean improvement compared to basedo on the MADRS. The 10 mg/day and 20 mg/day Lexapo treatment groups showed significantly greater mean improvement compared to his accord meak-does dwidr d'10 mg/day Lexapo and oblech. The 10 mg/day

this outcome measure. If we way and 20 mg Lexapo groups were similar on In a second fixed-doe study of 10 mg/day Lexapo and placebo, the 10 mg/day Lexapo heatment group showed significantly greater mean improvement compared to placebo on the MADRs. In a fieldbie-does study, comparing Lexapo, titrated between 10 and 0 mg/day, to placebo and cialoporm, titrated between 10 and mg/day, to beatment group showed significantly greater mean improvement compared to placebo and cialoporm, titrated between 20 and the ong/day. Lexapo, testiment group showed significantly greater mean improvement compared to placebo on the MADRs. Analyses of the relationship between treatment outcome and ane wave-

compared to placebo on the MADRS. 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 the optimization to provide the class of the case of the class of t

Generalized Anxiety Disorder The efficacy of Lesson in the treatment of Generalized Anxiety Disorder (GAD) was demonstrated in three, herwesk, multicenter, tilebible-dorse, placebo-controlled studies that compared Lesson 19-20 mg/dgv points outpatients between 18 and 80 years of age who net DSIAM orders for GAD. In all three studies, Lessopo showed significantly greater mean improvement compared to placebo on the Hamilton Anxiety Scale (MMA-K).

III an under Statusco, Orther Hamilton Analety Scale (HAM-A). There were too few patients in differing ethnic and age groups to adequately assess whether on coll Leagon to adifferential effects in these groups. There was no difference in response to Leagon between men and women. IND/CATIONA AND USAGE Major Depressive Disorder

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

disordia: The efficacy of Lezapro in the treatment of major depressive disorder was established in three, 8-week, joecbo-controlled triad of outpatients whose diagnoses corresponded most closely to the DSIA-W category of major depressive disorder (see CUNIXAL PHARMACOLOGY). A major depressive episode DOI-MV) implies a prominent and relatively persistent handy every day for all satz vieweld depresses of ordysphoric mood that usually interferes with day functioning, and includes at least five of the significant change in weight and/or appetite, insoma or hypersonnia, significant change in weight and/or appetite, insoma or hypersonnia, polyhomotor application or relatafalion, increased failupe, depins of duil tor worthesenses, slowed thinking or impaired concentration, a suicide attempt or solidal ideation.

suicidal ideation. The efficacy of Lexapro in hospitalized patients with major depressive disorders

The checks of accepted studied. The efficacy of Lesapo in mainting a response, in patients with major depressive disource who responded during an 8-week, acute-treatment phase while taking Lesapo and were then observed for relapse during a period of up to 36 week, was demostratiand an patienco-controlled time (see Chincal Efficacy Trails under CLINACL PHARMACOLOCY). Nevertheless, the physician who elects to use Lesapo for created periods should periodically re-evaluate the tong-term usefulness of the drug for the individual patient (see CARCE ALM ALMARTTATICM).

Seneralized Anxiety Disorder exapro is indicated for the treatment of Generalized Anxiety Disorder (GAD).

Transformer and the set of the se

ized Anxiety Disorder

Escialoptam is metabolized to S-DCI and S-dolementrylocialoptam (S-DDCI). In humans, unchanged escitaloptam is the predominant compound in plasma. At steady state, the concentration of the escitaloptam metabolite S-DCT in plasma is approximately one-third that of escitaloptam. The level of S-DDCT

AINDICATIONS mitant use in patients taking monoamine oxidase inhibitors (MAOIs) is midcated (see WARNINGS), mitant use in patients taking pimozide is contraindicated (see Drug tions - Pimozide and Celexa).

Hourism you administration of escalarian use reaction of our provinces and the units as escitatopram and 3-demethyloitatopram (FOCT) is about 8% and 10%, respectively. The oral clearance of escitatopram is 600 mL/min, with approximately 7% of that due to renal clearance. Escitatopram is metabolized to S-DCT and S-didemethyloitatopram (S-DDCT).

Lest 3 of the following symptoms: restlessness or feeling keyed up or on edge, being easily tatigued, difficulty concentrating or mind going blank, imitability, muscle tension, and sleep disturbane. The efficacy of Lecapto in the long-term treatment of GAD, that is, formore than 8 weeks, has not been systematically evaluated in controlled triats. The

n oxalate) SOLUTION

(escitalopram ABLETS/ORAL

with sympton be instituted.

rrest, and death

Activation of Mania/Hypom

use of drugs that interfere with serotonin reuptake and the

Patients should be cautioned about the risk of bleeding ass concomitant use of Lexapro and NSAIDs, aspirin, or other

of gastrointestinal bleeding. Bleeding events related to SSRIs and SNRIs use have ranged from ecchymoses, hematomas, epistaxis, and petechiae to life-

yponatremia may occur as a result of treatment with SSRIs and SNRIs

Hyporatemia may occur as a result of treatment with SSRs and SNRs, including Lexport, in many cases, this hyporatemia appears to be the result of the syndome of nappropriate antiduretic homone secretion (SUAH, and lower than 100 mm/cl. have been responder. Elderly patients may be at patient lower than 110 mm/cl. have been responder. Elderly patients may be at patient is of developing hyporatemia with SSRs and SNRs. Also, patients labing **Constitution**, the second second second second second second **Constitution**, the second second second second second second **Constitution**, the second second second second second second with semicondimic homostemic and comparison of the considered in patients.

be instituted. Signs and symptoms of hyponatremia include headache, difficulty concentrating, memory impairment, confusion, weakness, and unsteadiness, which may lead to fails. Signs and symptoms associated with more severe and/or acute cases have included hallucination, syncope, seizure, coma,

Activition of Manairhypomma. In placebo-controler tisks of Leagon in major depressive disorder, activation of mania/hypomania was reported in one (0.1%) of 715 patients treated with Leagon and in none of the 526 patient trated with placebo. One additional case of hypomania has been reported in associations with Leagon tratament. Activation of mania/hypomania has also been reported in a small proportion of patients with major allicitive disorders trated with placebo

patients will major aneutre usoues vealed will nachine chapter and other marketed drugs effective in the treatment of 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.

Seizures Although anticonvulsant effects of racemic citalopram have been observed in animal studies, Lexapro has not been systematically evaluated in patients with a seizure disorder. These patients were excluded from clinical studies during the

product's premarketing testing. In clinical trials of Lexapro, cases of convulsion have been reported in association with Lexapro treatment. Like other drugs

have been reported in association with Leagon treatment. Like other drugs effective in the treatment of maic drepsise desorder, Leagon should be introduced with case in patients with a history of seaue disorder. Interference with Cognitive and Motor Performance. Bracked in normal volunters, Leagon 10 mg/dbg dd not produce impairment of intellectual function or psychomotor performance. Because any patients should be cautioned about operating hazardous machiney, including admontible, will have are essaroly occina that Leagon therapy dees not affect theraibility to engage in such activities. Use in Patients with Corconstant Tiless Clinical experience with Leagon on patients with desease or conditions that produce alleed metabolism or hemodynamic responses.

response. Lexapro has not been systematically evaluated in patients with a recent history of myocardial infarction or unstable heart disease. Patients with these diagnoses were generally excluded from clinical studies during the product's premarketing testion.

remarketing testing. n subjects with hepatic impairment, clearance of racemic citalopram was

decreased and plasma concentrations were increased. The recommended dose of Lexapro in hepatically impaired patients is 10 mg/day (see DOSAGE AND

ADMINISTRATION. Because exclusions is extensively metabolized, excretion of unchanged drug in unive is an information of elimination. Unal decupate numbers of plantens with severe renal impairment have been evaluated during chronic treatment with Largano, 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 whom

Hity prescribe Lexapro. Patients should be cautioned about the risk of serotonin syndrome with the concomitant use of Lexapro and triptans, tramadol or other serotonergic

agents. In a study in normal volunteers, Lexapro 10 mg/day did not impair psychomotor

In a study in normal voluntees, Leagon 10 mg/day diont (mpair psychomotor performance. The effect of Leagon on psychomotor coordination, judgment, or thinking has not been systematically examined in controlled studies. Because psychoactive drogs may impair judgment, hinking, or motor studies, befarets should be cautioned about operating hazardous machinesy, including admobiles, until they are essoarbly octatin that Leagon betway does not affect their ability to engage in such activities. The ability of bodies, the source and the metal and motor skill aparments caused by disoloh, the occumants used Leagon and adoubt in depressed patients in and ability.

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 potential for

Patients should be advised to notify their physician if they become pregnant or intend to become pregnant during therapy. Patients should be advised to notify their physician if they are breastfeeding an

Infant. We also and the second second

the contents of the Medication Guide and to obtain answers to any questions they may have. The complete text of the Medication Guide is reprinted at the

end of this document. Patients should be advised of the following issues and asked to alert their prescriber if these occur while taking Lexapro.

carginess should be encouraged to be after to the emregence of anxiety, application, paric attacks, insomini, invitability, hostility, appresiveness, impussiv, adarbisa (psychomotor restlessness), hopomania, mania, other especially early during anticipressant treatment and when the dose is adjusted or down. Families and cargivers or globalist should be abrived to look for the emergence of such symptoms on a day-to-day basis, since changes may abrued. Such symptoms on a day-to-day basis, since changes may abrued. Such symptoms should be perioded to the patient prescriber or health professional, especially if they are severe, abrup in onset, or were not and of the patient presenting symptoms. Symptoms such as these may be associated with an increased risk of sucidat thinking and behavior and inclusion are efor two rooks comhonics and possibly chances in the metaclation.

Concomitant Administration with Racemic Citalopram Citalopram - Since escitalopram is the active isomer of racemic citalopram

associated with an increased risk for suicidal thinking and behavior and a need for very close monitoring and possibly changes in the medicat I aboratory Tests

There are no specific laboratory tests recommended.

Clinical Wo

berif these occur while taking Lexapro. I Worsening and Suicide Risk: Patients, their families, and their vers should be encouraged to be alert to the emergence of anxiety,

boromide) and that the two medications should not b

ld be cautioned about the concomitant use of Lexapro and

rarfarin, or other drugs that affect coagulation since comoine nic druos that interfere with serotonin reuptake and thes

atic hyponatremia and appropriate medical intervention should

ding events related to SSRIs and SNRIs us

(Celexa), the two agents should not be coadministered

Drug Interactions).

WARNINGS

Serotonergic Drugs: Based on the mechanism of action of SNRIs and SSRI Settothergic ungs tablet on the montains of a doubt or svives and some including Leagn, and the potential for senotion syndrome, calmon is advised when Leagno is cadamistered with other drugs that may affect the sectorergic neutrosmittler systems, such as trates, finecial (a mithiotic which is a reversible non-selective MAOI), tithum, transol, or S. John's Wort ese WABNIMS Sectorian Syndrome. The concomitant use of Leagno with other SSRIs, SNRis or tryptophan is not recommended (see PRECAUTIONS – Down Interactions).

ans: There have been rare postmarketing reports of serotonin syndrom

Information intercementation of the province o

CNS Drugs - Given the primary CNS effects of escitalopram, caution should be

used when it is taken in combination with other centrally acting drugs. Alcohol - Although Lexapro did not potentiate the cognitive and motor effects of alcohol in a clinical trial, as with other psychotropic medications, the use of

alcohol by patients taking Lexapro is not recommended. Monoamine Oxidase Inhibitors (MAOIs) - See CONTRAINDICATIONS and

Drugs Tbal Interfere With Hemostasis (NSAIDs, Aprini, Warfarm, etc.) Serotom release by platelets plays an important role in hemostasis. Epidemiological studies of the case-control and cohort design that have demonstrated an association between use of copyclottopic drought interfere with serotionin reuptake and the occurrence of upper gastrointestinal bleeding have also shown that concurrent use of an NSAID or spaint may potentiale the risk of bleeding. Altered anticoagulari effects, including increased bleeding, have been reported with scribbar and SMIs ar costiministeed with wardarin.

Patients receiving warfarin therapy should be carefully monitored when Lexapr

In table of discontinued. Cimeticine - In subjects who had received 21 days of 40 mg/day racemic citalogram, combined administration of 40 mg/day cimeticine for 8 days resulted in an increase in citalogram AUC and C<sub>max</sub> of 43% and 33%, respectively. The citalogram for the forting simplification of the set of the respectively. The citalogram for the forting simplification of the set of the set

citalopram, combined administration of citalopram and digoxin (single dose of 1 mg) did not significantly affect the pharmacokinetics of either citalopram or

lightium - Coadministration of racemic citalopram (40 mg/day for 10 days) an lithium - Coadministration of racemic citalopram (40 mg/day for 10 days) an lithium (30 mm0/day for 5 days) had no significant effect on th

lithium (30 mmol/day for 5 days) had no significant effect on the pharmacokinetics of citalopram or lithium. Nevertheless, plasma lithium levels should be monitored with appropriate adjustment to the lithium dose in accordance with standard clinical practice. Because lithium may enhance the

acordance with standard clinical practice. Because lithium may enhance the sortomery: effects of exoltapaym. calculon should be excited withen Lexapor and thium are coatimistered. Primozide and Clears. In a controlled study, a single dose of primozide 2 ng co-administered with nacemic callaporm 40 mg given once daily for 11 days was associated with a mach increase in 02 values of apportunity 10 mesc. compared to primozide primozide. The net chainor with this pharmacohymatic literature and with a pharmacobia. The metatiama the pharmacohymatic literature and a pharmacobia. The metatiama the pharmacohymatic literature and a pharmacobia. The metatiama the pharmacohymatic literature and the source of the pharmacobia pharmac

Face of english plantace: the micromatine of the plantaceoplantic materials is not known. Sumatriptan - There have been rare postmarketing reports describing pair with weakness, hyperflexia, and inconciliation following the use of an and sumatriptan. If concomitant treatment with sumatriptan and an SSRI fluxetime, fluxocamine, parxetime, sertratine, citalopram, escilatopram citalogi warraneld, appropriate observation of the patient is advised.

clinically warranted, appropriate observation of the patient is advised. Theophyline - Controlled administration of namic chalopera (M onglody for 21 days) and the CYP1A2 substrate theophyline (single dose of 300 mgl) did not affect the pharmaconitenics of theophyline. The effect of theophyline on the pharmacohinetics of vialoptime, and evaluated. Warfarin - Administration of 40 mg/day razente chaloptem for 21 days did not affect the pharmacohinetics of invariant, a CYP3A4 substrate. Prothembin time

affect the pharmacokinetics of warfarin, a CYP3A4 substrate. Prothrombin time was increased by 5%, the clinical significance of which is unknown. Carbamazepine - Combined administration of racemic citaloptarma (40 mg/da) for 14 days) and carbamazepine (titrated to 400 mg/day for 35 days) did not

and record with a calculation full table of the second sec

von-store unite two unugs are coadministered. Triazolam - Combined administration of racemic citalopram (titrated to 40 mg/day for 28 days) and the CVP344 substrate triazolam (single dose of 0.25 mg/dd not significantly affect the pharmacokinetics of either citalopram or triazolam

or triazolam. Ketoconazole - Combined administration of racemic citalopram (40 mg) and ketoconazole (200 mg), a potent CYP344 inhibitor, decreased the Cmax, and AUC of ketoconazole by 21% and 10%, respectively, and did not significantly

AUC of tectorotatice by 21% and 10%, respectively, and did not synthesimy affect the pharmocontexis of catalogues. Ritomarie - Combined administration of a single does of ritomari (B00 mg), both a 071244 substate and a potert inhibito or 07494, and esclatograma. (D1%) did not affect the pharmocontexis of either intonarie rescitatogram. 074944 and x2012 pharmocontexis of either intonarie rescitatogram. 074944 and x2012 microsoft and the metabolism of esclatogram. 42013 ext the primary etergmes involved in the metabolism of esclatogram. Howevere, condimitation of esclatogram (D2 mg) and intonaries (B0 mg), a

However, coadministration of escalaporan (20 mg) and intonavir (900 mg), a potent inhibitor of (978A), dind osignitizaniji affet the phenocionetis of escitaloporan. Because escilabopram is metabolized by multiple expres advisoritari and a single enzyme may not appreciably decrease escilabopram clearance. Drugs Metabolized by Cychorhome P40206. In witho studies din not nereal an inhibitory effect of escataporan on (797206, In addition, stadu) state levels of inhibitory effect of escataporan on (797206, In addition, stadu) state levels of inhibitory effect of escataporan on (797206, In addition, stadu) state levels of inhibitory effect of escataporan on (797206, In addition, stadu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addition, statu) state levels of inhibitory effect of escataporano (797206, In addit

Urugs Metaoloteb (v Ukoforme H14XL/b - / II vito Studes du hoft revela an inibitory effect or disciparan on (72%L). In additori, steady dia heels of nacemic olaboran were not significantly different in poor metalodizes and clatersive (72%De metalodizes atter multiple-dose administration of clatopram, suggesting that coadministration, with esclatopram, rid a drug that inibitos (72%D), similary effect rescatopram, e., coadministration of esclatopram metalodiam. However, there are limited in vivo data suggesting a modesti (20 mg/dsy for 21 days) with the tricyclic antidepressant designamice limits do es of 50 mg, a subtate for CPXDDs retuited in a 40% increase in C<sub>max</sub> at 00% increase in AU/C of designamice. The clinical significance of the finding is unknown. Nevertheles, cauton is included in a 40% increase in C<sub>max</sub> at 00% increase in AU/C of designamice. The clinical significance of this finding is unknown. Nevertheles, cauton is included in a 40% increase in C<sub>max</sub> at 00% increase in AU/C of designamice. The clinical significance of 100 mg), horeased metoproid plasma levels have been associated with decreased actionsectivity. Coadministration of 20 mg/dsc para and they on that on clinically increased metoproid plasma levels have been associated in the clinicator of 100 mg/dsc para cardiosectivity. Coadministration of 20 mg/dsc para and they on a midproid batt on clinically increased metoproid plasma levels have been associated in the clinicator of 100 mg/dsc midproid batter of midproidsc para and they on a midproid batter of 100 mg/dsc midproidsc para and they on an indicator of 100 mg/dsc midproidsc para and they on a midproid batter of 100 mg/dsc midproidsc para and they on a midproid batter of 100 mg/dsc midproidsc para and they on a midproid batter of 100 mg/dsc midproidsc para and they on a midproid batter of 100 mg/dsc midproidsc para and they on a midproid batter of 100 mg/dsc midproidsc para and they on an indicator of 100 mg/dsc midproidsc para and they on a midproid batter of 100

Carcinogenesis, Mutagenesis, impairment or a curry, Carcinogenesis Racenic citalopram was administered in the diet to NMRI/BOM strain mice and a construction of the c

recent: cuaptrain was administered in the oet to Minimize and COSBW strain at its of 18 and 24 months, respectively. There was no evidence for carcinogenicity of racemic citalopram in mice receiving up to .240 mg/kg/day. There was an increased incidence of small intestine carcinoma in rats receiving 3 or 24 mg/kg/day racemic citalopram. An orferid code or this finding was not established. The relevance of these findings to humans is unknown.

assay (Ames test) in 2 of 5 bacterial strains (Salmonella TA98 and TA1537) in the absence of metabolic activation. It was clastogenic in the *in vitro* Chinese hamster lung cell assay for chromosonnal aberrations in the presence and absence of metabolic activation. Recemic citalopram was not mutagenic in the

in vitro mammalian forward gene mutation assay (HPRT) in mouse lvm

cells or in a coupled in vitrolin vivo unscheduled DNA synthesis (UDS) assay in rat liver. It was not clastogenic in the in vitro chromosomal aberration assay in

ram was mutagenic in the in vitro bacterial reverse mutatio

Mutagenesis Racemic cital

escitalopram. s, Mutagenesis, Impairment of Fertility

considered if the two drugs are coadm Triazolam - Combined administratio

**Medication Guide** 

Antidepressant Medicines, Depression

and other Serious Mental Illnesses,

and Suicidal Thoughts or Actions

Read the Medication Guide that comes with

you or your family member's antidepressant

medicine. This Medication Guide is only

about the risk of suicidal thoughts and

actions with antidepressant medicines. Talk

to your, or your family member's, healthcare

· all risks and benefits of treatment with

· all treatment choices for depression or

What is the most important information I

should know about antidepressant

medicines, depression and other serious

mental illnesses, and suicidal thoughts or

1. Antidepressant medicines may increase

suicidal thoughts or actions in some children, teenagers, and young adults

within the first few months of treatment.

illnesses are the most important causes

of suicidal thoughts and actions. Some

people may have a particularly high risk

of having suicidal thoughts or actions.

These include people who have (or have a

family history of) bipolar illness (also

called manic-depressive illness) or

suicidal thoughts and actions in myself

• Pay close attention to any changes,

especially sudden changes, in mood,

behaviors, thoughts, or feelings. This is

very important when an antidepressant

medicine is started or when the dose is

· Call the healthcare provider right away

to report new or sudden changes in

mood, behavior, thoughts, or feelings.

the healthcare provider between visits

as needed, especially if you have

Call a healthcare provider right away if you

or your family member has any of the

following symptoms, especially if they are

thoughts about suicide or dying

attempts to commit suicide

new or worse depression

concerns about symptoms.

new, worse, or worry you:

· Keep all follow-up visits with the healthcare provider as scheduled. Call

3. How can I watch for and try to prevent

suicidal thoughts or actions.

or a family member?

changed.

2. Depression and other serious mental

antidepressant medicines

other serious mental illness

provider about:

actions?

(escitalopram oxalate) TABLETS/ORAL SOLUTION

08/08

per 1000 patients treated) are provided in Table 1.

Ane Ranne

18-24

25-64

≥65

adult trials, but the nu drug effect on suicide.

ncreases or decreases.

were differences in absolute risk of suicidality across the different indication with the highest incidence in MDD. The risk differences (drug vs. placebo

will use nignest incidence in MDD. The risk differences (drug vs. placebo), however, were relatively stable within age strata and across indications. These risk differences (drug-placeho differences in the second strategies).

TABLE 1

Decr

ang enection suicide. It is unknown whether the suicidality risk extends to longer-term use, i.e.,

beyond several months. However, the is substantial evidence from placebo-controlled maintenance trials in adults with depression that the use of antidepressants can delay the recurrence of depression. All patients being treated with antidepressants for any indication should be monitored appropriately and observed closely for clinical worsening.

suicidality, and unusual changes in behavior, especially during the initial few months of a course of drug therapy, or at times of dose changes, either

increases or decreases. The following symptoms, anviele, agaitation, panic attacks, insomia, imitability, hostility, agenssiveness, impaisivily, akaitaisa (psychomotor restessess), hypomain, and mana. have been epoted in adult and pédiar(patients being treated with antidepressants for major depressive discorder as well as for other indications, toth population: and nongenytatire. Althoogt, a causal link between the emergence of suicidal imputes the not been established, there is concern that such symptoms may represent precursors to emergin suicidatir.

Bibliotanci, time a source of the second sec

The depending of the second se

and DISABE AND ADMINISTRATION-Desontinuation of treatment with Leargen, for a description of the risks of discrimination of Leargen(). Families and caregivers of patients being treated with antidepressants for mign depressive disorder or other indications, both psychiatric and nonpsychiatric, should be alerted about the eared to monitor patients for the emergence of aglation, initiability, unusual changes in behavior, and the other symptoms described above, as well as the emergence of siziofability.

ourier symptoms descrued adove, as wai as the emergence or sunctany, and to report such symptoms immediately to health care providers. Such monitoring should include daily observation by families and caregivers. Prescriptions for Leargon should be written for the smallest quantify of tablets consistent with good patient management, in order to reduce the risk of

previous provide the second se

including a tamily history of suncick, pipolar disorder, and depression. It should be noted that Leagns is on that power dori use in treating bipolicy depression. Potential for Interaction with Monoamine Oxides a histibitors in patients receiving sections incupties in histibitor drugs in combination with a monoamine caldase inhibitor (MAO), there have been reports of serious, autonomic instability with possible rapid flactuations of with a signs, and metal satus, changes bits include extreme agiltion progressing to definant metal satus, changes bits include extreme agiltion progressing to definant

mental status changes that include extreme aglation progressing to definitu and come. These reactions have also been reported in patients who have recently discontinued SRI treatment and have been started on an MAOL Some cases presented with features resembling neurologic malignant syndrome. Furthermore, limited animal data on the effects of combined use of SSRIs and MAOIs suggest that these drugs may act synergistically to elevate blood presense and evolve behavioral activation. Therefore, it is

everae noich pressure and evolve behavioria excitation: Interiore, It is recommended that Leargen should not bus ella in conhistication with an MAOL or within 14 days of discontinuing treatment with an MAOL Similary, at least 14 days should be allowed after stopping Leargen before starting an MAOL Serotonin syndrome has been reported in two patients who were concomitativ receiving linezolid, an antibiotic which is a reversible non-selective MAOL.

selective mach. Serotonin Syndrome: The development of a potentially life-threatening

Serotioni Syndrome: The development of a potentially life-threatening serotioni syndrome may cocc with SNRS and SSRs, including Leagno treatment, particularly with concomitant use of serotonergic drugs including MADIS, Serotioni syndrome symptoms may include metal status charges (e.g., epistor), relationalism, complexite metalobian of serotonic instability (e.g., tablot, relations), table-ballood pressure, hyperhemical, neuronuccular abenetions (e.g., nusea, table-ballood pressure, hyperhemical, neuronuccular abenetions (e.g., nusea, province), and table and table and tables a

ntinuation of Treatment with Lexapro or marketing of Lexapro and other SSRIs and SNRIs (serotonin and

Patients stoud: be monitored for these symptoms when discontinuing teament with Leagno, A gradual reduction in the dose rethrem a sharph cessation is recommended whenever possible. If indireable symptoms occur following a deverses in the dose or upor discontinuation of treatment, then resuming the previously prescribed dose may be considered. Subsequently, the physician may continue deversaring the dose but at a more gradual rate (see DOSAGE AND ADMINISTRATION).

Abnormal Bleeding SSRIs and SNRIs, including Lexapro, may increase the risk of bleeding events. Concomitant use of aspirin, nonsteroidal anti-inflammatory drugs, warfarin, and other anticoagulants may add to the risk. Case reports and epidemiological studies (case-control and cohort design) have demonstrated an association

itina, diarrhea)

Drug-Placebo Difference in Number of Cases of

Increases Compared to Placeho

14 additional cases

5 additional cases

1 fewer case

6 fewer cases

rred in any of the pediatric trials. There were suicides in the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach any conclusion about the number was not sufficient to reach about to reach about the number was not sufficient to reach about t

es Compared to Placeh

Suicidality per 1000 Patients Treated

and which the person finds difficult to control. It must be associated with at least 3 of the following symptoms: restlessness or feeling keyed up or on other

solution (escitalopram oxalate) TABLETS/ORAL SOLUTION Lexapro® (escitalopram ABLETS/ORAL Rev 30/80

- new or worse anxiety
- feeling very agitated or restless
- panic attacks
- trouble sleeping (insomnia)
- new or worse irritability
- acting aggressive, being angry, or violent
- acting on dangerous impulses
- · an extreme increase in activity and talking (mania)
- other unusual changes in behavior or mood

# What else do I need to know about antidepressant medicines?

- · Never stop an antidepressant medicine without first talking to a healthcare provider. Stopping an antidepressant medicine suddenly can cause other symptoms.
- · Antidepressants are medicines used to treat depression and other illnesses. It is important to discuss all the risks of treating depression and also the risks of not treating it. Patients and their families or other caregivers should discuss all treatment choices with the healthcare provider, not just the use of antidepressants.
- Antidepressant medicines have other side effects. Talk to the healthcare provider about the side effects of the medicine prescribed for you or your family member.
- Antidepressant medicines can interact with other medicines. Know all of the medicines that you or your family member takes. Keep a list of all medicines to show the healthcare provider. Do not start new medicines without first checking with your healthcare provider.
- Not all antidepressant medicines prescribed for children are FDA approved for use in children. Talk to your child's healthcare provider for more information.

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

human lymphocytes or in two in vivo mouse micronucleus assays. Impairment of Fertility When racemic citalopram was administered orally to 16 male and 24 female rats prior to and throughout mating and gestation at doses of 32, 48, and <sup>7</sup>2 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.

Pregnancy Pregnancy Category C velopment study, oral administration of escitalopram (56,

Pegnanacycleagory, C In at embryofield development study, orai administration of escitaiopram (56, 112, or 150 mg/kg/dbi / boregorant animais during the period of organogenesis resulted in devenses lead body weight an associated delays in escillation at the two higher doses (approximately > 56 times the maximum recommended that and bog (MPA) of 20 mg/kg/ on a body surface areal (mg/h) basis). Maternal tooking (MPA) of 20 mg/kg/ on a body surface areal (mg/h) basis). Maternal tooking (MPA) of 20 mg/kg/ on a body surface areal (mg/h) basis). Maternal tooking (MPA) and 45 mg/kg/kg/ was present at all dose levels. The submit of the maximum strategies and decreased body weight gain and tood MPAP (on a mg/h) basis. No teachogendly was observed and y of the doses teacted (as high ar 75 times the MHA) on a mg/h basis). When female rats were treated with eschlapparts (a) the communication mortality when female rats were treated with eschlapparts (a) the communication mortality. When lender rats were treated with esotatopram (b, 12, 24, or 48 mg/kg/dg), during represency and through vesmic), signity licrosest of dorsymmetrality and growth retartation were noted at 48 mg/kg/dg within's approximately 49 times the MHH on a mg/mc basis. Signity mineration tacking licrolical signs and decreased body weight gain and food consumption) was seen at this does. Signity licrosest dorsymmetry and food consumption was seen at this does a seen at 42 mg/kg/dg. The on-effect does was 12 mg/kg/dsy which is approximately 6 times the MHH on a mg/m<sup>2</sup>

basis. In animal reproduction studies, racernic citalopram has been shown to have adverse effects on embryo/fetal and postnatal development, including teratogenic effects, when administered at doses greater than human theraeucii doses. herapeutic doses. n two rat embryo/fetal development studies, oral administration of racemic

In two are embryo/field development studies, coal administration of resemic calciarance (26, 6, 61 fto ngologicity) begenant animed caloring the period of organogenesis resulted in decreased embryo/field growth and sunivial and an increased incidence of field abnormalities (including; cardiorascular and selecial delecist) at heigh dose. This does was also associated with maternal toxicity (incinal signs; decreased body weight gain). The developmental no-field: does use 350 mg/logita, in a ratio study, no adverse effects on embryo/field development were observed at doese of racemic calorgram of up observed at a maternally toxic does in the rat and were not observed in the rehit?

Uccerted a a material (but does in the far and we not uccerted in the rabbit. When female rats were treated with racemic citalopram (4.8, 12.8, or 22 mg/sqbg)) found the estation through wearing, increased offspring mortally during the first 4 days after bith and persistent offspring growth relatation were observed at the highest does. The n-effect does was 12.8 mg/sqbg), final reflects on offspring mortally and growth were seen when drans were treated throughout greated toos. The n-effect does was 2.4 mg/sqbg). An-effect does was not determined in that study. There are no adequate and well-controlled studies in preparat womer; therefore, escillatopram should be used during preparaty only if the potential benefit justifies they beared more than the Studies. Therefore, therefore, a study of the softential Reparate among the Jarren and rules SSUE or SNDIe. Ista in the third

Pregnancy-Nonteralogenic Effects Neonates exposed to Leagon and Lother SSRIs or SNRIs, tale in the third trimester, have developed complications exuiting prototeget hospitalization, respiratory sugnori, and tube feeding Such complications can arise immediately upon delivery. Reported clinical findings trave included respiratory destess, cyenosia, apnea, sebures, temperature Instability, teeding difficulty, umiting, hypopolymical, hypotonia, hypetonia, hypetonia, termor, jitteriness, imitability and constant crying. These Batters are considerit with effert a direct tool effect of SSRIs and SMRs or, possible, a drug starts.

interness, imitability, and constaint cyting, indee teatures are consistent with either a direct toxic effect of SSRIs and SRIs or, possibly, a drug discontinuation syndrome. It should be noted that, in some cases, the dirical picture is consistent with sendonin syndrome (see WARNINGS) Infante seposed to SSRIs in late pregnancy may have an increased risk for persistent pulmonary hypertension of the neurohom PPHLI, PPNA cours in 1-2 per 1000 live births in the general population and is associated with substantial exercisities, neurohom PPHL, PPNA cours in 1-study of 27, women whose infants were born with PPHN and SSR women and the persistent pulmonary. study of 1/1 wonthe wrotes martes were born with P+HN and So wonthen whose infants were born healthy, the risk for developing PHM was approximately six-fold higher for infants exposed to SSRIs after the 20th week of gestation compared to infants who had not been exposed to artificipressants during preparang. There is currently no comborative evidence regarding the not for PHM folding regroups to SSRIs in preparancy, this is the first study that has investigated the potential risk. The study did not include enough cases of PPHN risk.

of PPH hisk. When treating a pregnant woman with Lerapro during the third trimester, the physician should carefully consider both the potential risks and benefits of treatment (see DDSAGE AND ADMINISTRATION), Physicians should note that in a prospective longitudinal study of 201 women with a history of major depression who were earthymic at the beginning of pregnance, women who discontinued antidepresant medication during pregnancy were more likely to experience a relapse of major depression than women who continued artiferencestor mericine

Facemic clospram, we many order orgs, s excreted in numa breast much Ther have been two proofs of infrats experiencing excessive somolence, decreased feeding, and weight loss in association with breastfeeding from a clospram-treated thorther, in one case, the infrat was reported to recover completely upon discontinuation of oldopram tyfts mother and, in the second case, no follow-up information was available. The decision whether to continue or discontinue either numsing or Lesapon therapy should take into account the risks of cloapon exposure for the infrat and the benefits of Lesapon treatment. for the mother

Pediatric Use Pediatric Use Staty and effectiveness in the pediatric population have not been established (see BOX WARNING and WARNINGS-Clinical Worssming and Suidide Risk), one placebo-controller train 1:826 pediatric patients with MDD has been conducted with Lexapon, and the data were not sufficient to support a claim use in pediatric patients. Anyone constituting the use of Lexapo in a child or adolescent must balance the potential risks with the clinical med.

Genitatic Use Approximately % of the 1144 patients receiving eschalogram in controlled trails of Lexagro in major degressive disorder and GAD were 60 years of age or older, elderly patient in these traits received dialy does of Lexagro between 10 and 20 mg. The number of elderly patients in these traits received deputately assess for possible offerential fictures and safety assessments the basis of age. Nevertheless, greater sensitivity of some elderly individuals to effect of Lexagro comarbe mide dual. SSRIs and SNRs, including Lexagro, have been associated with cases of disclusive sincificant torogeneties, under state the source to reader ends

SXHIs and XHHs, roluting Leagno, have been associated with cases of dividingly spritterin troporations in eleidy patient, who may be a greater nois, for the adverse event (see PRECAUTIONS, <u>hipporatimal</u>). In two pharmacohietic studies, esclatogram half-life was increased by approximately 50% in eleidy subjects as compared to young subjects and recommended done for eleidry patients (see DOSAGE AND ADMINISTRATION). Of 422 gatema is increased by approximately done and a variable and and an advect and a variable recommended done for eleidry patients (calaporan, 1537 were 8) and or 422 gatema is include sludies of racemic calaporan, 1537 were 8) and over, 1504 were 8 done done; and 434 were 15 and over. No everal differences in safely or effectiveness were lobared between these subjects and younger advectives between the safety and moune motions. How the safety and means the advectives and the safety and advectives and means means and advectives between the safety and some motions and the safety and the safety and advectives and advectives and advectives and advectives advectives advectives and some advectives and some advectives and some advectives advectives

subjects, and other reported cinicial experience has not identified differences in reprovess between the elderly and voyange patients, but, again, greater sensitivity of some elderly individuals cannot be neide out. AUCHESE REACTIONS AVVERSE REACTIONS AVVERSE elder and the sensitivity of the sensitivity of the sensitivity of the ingine depensive discolar who were expeed to scaladopened than, placebo-controled tinsk. An additional 249 plateins with many or depensive disorder-were merely many of the sensitivity of the sensitity of the sensit

exposed to escitalopram in open-label trials. The adverse event information Lexapor in patients with GAD was collected from 429 patients exposed escitalopram and from 427 patients exposed to placebo in double-bin placebo-controlled trials.

Adverse events during peopsue were obtained primarily by general inquiry and exorded by chical insertigators 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 for grouping smit papes of events into a smaller number of standardized event categories. In the tables and chubations that follow, standard World Health Organization (WHO) terminology has been used to classify reported adverse events. The statist engregories of adverse event systems adverse event of the statist foregories of adverse event systems adverse event of the per listed. An event was consided transmert-emergent if in course for the statist engregories of adverse event aspects the proportion of individuals who experienced, at least once, a treatment-emergent if in course for the first time or worsneed while necesing therapy following baseline evaluation. Major Degressive Biosofter Major Degressive Biosofter Major Degressive Disorder Mano Marker Stender Statist Chargor Displaceb-controlled Mano Mark Adverse events during exposure were obtained primarily by general inquiry and recorded by clinical investigators using terminology of their own choosing.

Adverse events Associated with uscontinuation of reactment Migri Depressive Disorder Among the 715 dispressed patients who received Lexapor in placebo-controlled thials, 6% discontinue to enterine events, as compared to 2%, of 552 patients receiving placebo. In the fuel does studies, the rate of discontinuation of radverse events in patients receiving 10 mg/dkg Leapor was not significantly different from the rate of discontinuation for adverse events in patients assigned to a fixed does d/20 mg/dkg Leapor was 10%, which was significantly different from the rate of discontinuation for adverse events in patients receiving placebo. There all of discontinuation for adverse events in patients receiving 10 mg/dkg Leapor (%) and placebo (%). Adverse events in the vere associated with the discontinuation of adverse %) dipatents treated with Lexapor, and for which the rate was at least twice that of placebo, were nause (?%) and platents who received Lexapor 10-20 mg/dkg in placebo-controlled trials, 8% discontined treatment due to an adverse events that were

controller trais, syst discontinue treatment due to an averse event, as compared of 4% of 427 patients recomp placebo. Averse events that were associated with the discontinuation of at least 1% of patients treated with Lexapor, and for which the rate was at least tiwite the placebo rate, were nausea (2%), incoming 1%), and ratigue (1%). Incidence of Adverse Events in Placebo-Controlled Clinical Trials

Major Depressive Disorder Table 2 enumerates the incidence, rounded to the nearest percent, of Table 2 enumerates the incidence, rounded to the nearest percent, or treatment-emergent adverse events that occurred among 715 depressed patients who received Lexapor at doses ranging from 10 to 20 mg/day in patients who received Lexapor at doses ranging from 10 to 20 mg/day in patients treated with Lexapor and for which the incidence in patients treated with Lexapor uses greater than the incidence in placeto-treated patients. The prescribe should be arrive that these figures can not be used to predict. The prescriber should be avere that these figures can not be used to predict the indicator of adverse events in the course of usual medical practice where patient characteristics and other factors differ from those which prevailed in the indicated trans. Simplify the clate fragmentic cannot be compared with figures obtained from other dirical integrations involving different treatments, use, and investigators. The clief figures, however, do provide the prescribing physican with socials for externating the relative contribution of drug and non-drug factors to the adverse event incidence rate in the population studied. The most commonly observed adverse events in Leapon patients (incidence of approximately 5% or greater and approximately thice the incidence in placedo patients) were insormine, equivaluito disorder (primative) equatory delay), nauses, sweating increased, falloga, and sommelence tea TABLE 2, TABLE 2. 

(Perc	entage of Patients	Reporting E
Body System / Adverse Event	Lexapro	Placebo
	(N=715)	(N=592)
Autonomic Nervous System Disorders		
Dry Mouth	6%	5%
Sweating Increased	5%	2%
Central & Peripheral Nervous System		
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 <sup>1,2</sup>	9%	<1%
Impotence <sup>2</sup>	3%	<1%
Anorgasmia <sup>3</sup>	2%	<1%

injury, anxiety. ng, γ auery. Phramity ejeculatory delay. Denominator used was for males only (N=225 Lexapro, N=188 placebo). 9Denominator used was for fransles only (N=490 Lexapro, N=404 placebo). Generalized Anviet Disorder Table 3 enumerates the incidence, rounded to the nearest percent of treatment-

Lable 3 enumerates the incodence, rounded to the nearest percent of treatment-emergent adverse events that occurred among 4/26 QAD patients who received Lexapor 10 to 20 mg/day in placebo-controlled trails. Events included are those occurring in 2% or more of patients treated with Lexapor and for which the incidence in patients treated with Lexapor was greater than the incidence in

Indente en judental reactive win Eckapto was greater unan ne incluence in apaceb-netatel patients. The most commonly observed adverse events in Lexapro patients (incidence of approximately 5% or greater and approximately twice the incidence in placebo patients) were nauses, apaciation obsorder (pinnamy ajaculatory delay), insomnia, fatigue, decreased libido, and anorgasmia (see TABLE 3). TABLE 3

Treatment-Emergent Adverse Events: Incidence in Placebo-Controlled Clinical Trials for Generalized Anxiety Disorder\*

	(Percentage of Patient	s neporally Eve	зu
Body System / Adverse Event	Lexapro	Placebo	
	(N=429)	(N=427)	
Autonomic Nervous System Dis	sorders		
Dry Mouth	9%	5%	
Sweating Increased	4%	1%	_
Central & Peripheral Nervous S	lystem Disorders		_
leadache	24%	17%	
Paresthesia	2%	1%	_

Gastrointestinal Disorders			ECG Changes
Nausea	18%	8%	Electrocardiograms from Lexapro (N=625), racemic citalopram (N=351), and
Diamhea	8%	6%	placebo (N=527) groups were compared with respect to (1) mean change from
Constipation	5%	4%	baseline in various ECG parameters and (2) the incidence of patients meeting
Indigestion	3%	2%	criteria for potentially clinically significant changes from baseline in these
			variables. These analyses revealed (1) a decrease in heart rate of 2.2 bpm for
Vomiting	3%	1%	Lexapro and 2.7 bpm for racemic citalopram, compared to an increase of
Abdominal Pain	2%	1%	0.3 bpm for placebo and (2) an increase in QTc interval of 3.9 msec for Lexapro
Flatulence	2%	1%	and 3.7 msec for racemic citalopram, compared to 0.5 msec for placebo.
Toothache	2%	0%	Neither Lexapro nor racemic citalopram were associated with the development of clinically significant ECG abnormalities.
General			Other Events Observed During the Premarketing Evaluation of Lexapro
Fatigue	8%	2%	Following is a list of WHO terms that reflect treatment-emergent adverse
Influenza-like Symptoms	5%	4%	events, as defined in the introduction to the ADVERSE REACTIONS section.
Musculoskeletal			reported by the 1428 patients treated with Lexapro for periods of up to one year
Neck/Shoulder Pain	3%	1%	in double-blind or open-label clinical trials during its premarketing evaluation.
Psychiatric Disorders			All reported events are included except those already listed in Tables 2 & 3,
Somnolence	13%	7%	those occurring in only one patient, event terms that are so general as to be
Insomnia	12%	6%	uninformative, and those that are unlikely to be drug related. It is important to
Libido Decreased	7%	2%	emphasize that, although the events reported occurred during treatment with Lexapro, they were not necessarily caused by it.
Dreaming Abnormal	3%	2%	Events are further categorized by body system and listed in order of decreasing
Appetite Decreased	3%	1%	frequency according to the following definitions: frequent adverse events are
Lethargy	3%	1%	those occurring on one or more occasions in at least 1/100 patients; infrequent
Yawning	2%	1%	adverse events are those occurring in less than 1/100 patients but at least
Urogenital		.,.	1/1000 patients.
Eiaculation Disorder <sup>1,2</sup>	14%	2%	Cardiovascular - Frequent: palpitation, hypertension. Infrequent: bradycardia,
Anorgasmia <sup>3</sup>	6%	<1%	tachycardia, ECG abnormal, flushing, varicose vein.
Menstrual Disorder	2%	1%	Central and Peripheral Nervous System Disorders - Frequent: light-headed
*Events reported by at least 2% of pat			feeling, migraine. Infrequent: tremor, vertigo, restless legs, shaking, twitching, dysequilibrium, tics, carpal tunnel syndrome, muscle contractions involuntary,
except for the following events which h	rents treated with t	Lexapio are reported, a placobo Lovapro	
inflicted injury, dizziness, back pain, u			

"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 inflicted injury, dizziness, back pain, upper respiratory tract infection, rhinitis pharyngitis. 1Primarily e

## narily ejaculatory delay.

Ling and the second 

Incidence of Comm	on Adverse Eve	ents* in Patien	ts with Maior
Depressive Disorder			
	20 mg/day Le		,,
Adverse Event	Placebo	10 mg/day	20 mg/day
	(N=311)	Lexapro	Lexapro
		(N=310)	(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%

Special Specs - Frequent: vision blurnel, fimitus. Infrequent: taste alteration, exanche, conjunctivitis, vision ahomana, div gress, ege imitation, visual disturbance, ege infection, paris diatet, metallic taste. Umang Spectra Disorders - Frequent: umang frequency umang tract Infection. Infrequent: umang umang, kidney dava, davaita, kolod i nume. Events Reported Subsequent to the Marketing of Spatiaporam - Although no casasi relationship to esclatoparam teament has been found, the following adverse events have been eported to have occurred in patients and to be temporally associated with eschaloparam teathent during post marketing spontanous and clinical trial experience and were not observed during the emendering evaluation of eschaloparam teathents. 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 Although changes in sexual desire, sexual performance, and sexual satisfaction often occur as manifestations of a psychiatric disorder, they may also be a consequence of pharmacologic treatment. In particular, some evidence and the second seco consequence of pharmacologic treatment. In particular, some suggests that SSRIs can cause such untoward sexual experiences. premarketing evaluation of escitalopram: Blood and Lymphatic System Disorders: hemolytic anemia, leukopenia, thrombocytopenia. Cardiac Disorders: atrial fibrillation, cardiac failure, myocardial infarction, torsade de pointes, ventricular arthythmia, ventricular tachycardia. Endocrine Disorders: diabetes mellitus, hyperprolactinemia, SIADH.

suggests una const call real sour unumary source poperties. Healiable estimates of the incidence and severity of unward experiences involving sexual desire, performance, and satisfaction are difficult to obtain, however, in part because patients and physicians may be reluctant to discuss them. Accordingly, estimates of the incidence of unloward sexual experience and performance cited in product labeling are likely to underestimate their performance cited in product labeling are likely to underestimate their performance cited in product labeling are likely to underestimate their

Table 5 shows the incidence rates of sexual side effects in patients with major

pepressive disorder and GAD in	placebo-controlled	trials.
	TABLE 5	
Incidence of Sexual Side Eff	fects in Placebo-Co	ontrolled Clinical Trials
Adverse Event	Lexapro	Placebo
	In Ma	les Only
	(N=407)	(N=383)
Ejaculation Disorder		
(primarily ejaculatory delay)	12%	1%
Libido Decreased	6%	2%
Impotence	2%	<1%
	In Fem	ales Only
	(N=737)	(N=636)
Libido Decreased	3%	1%
Anorgasmia	3%	<1%

There are no adequately designed studies examining sexual dysfunction with escitalopram treatment. Prapism has been reported with all SSNs. While it is difficult to know the precise risk of sexual dysfunction associated with the use of SSNs, physicians should routinely inquire about such possible side

Vital Sign Changes

Vita sign changes Leargo and placebo groups were compared with respect to (1) mean change from baseline in vital signs place, systolic blood pressure, and diasticle blood pessure] and (2) lie inclorece of plasmits meeting criteria to potentially clinically significant changes from baseline in these variables. These analyses did not reveal any clinically important changes in vital signs associated with Leargor traitment. In addition, a comparison of supire and standing vital sign abo groups were compared with respect to (1 measures in subjects receiving Lexapro indicated that Lexapro treatr associated with orthostatic changes.

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

Laboratory Changes Lexapro and placebo groups were compared with respect to (1) mean change acception on particulty groups were compared with respect to [1] mean change from baseline in various serum chemistry, hematology, and urinalysis variables, and [2] the indexe of patients weeting ortheria for potentially clinically significant changes from baseline in these variables. These analyses revealed no clinically important changes in laboratory test parameters associated with Learon treatment.

ternulousess nervous, oryng ahormal, depresson, excitabity, auditory halorarians, suicide lardency. Repoductive Disorders/Ferale<sup>4</sup>. *Frequent*: menthual cramps, merstrual disorder. Infrequent: menorhagia, breast neoplasm, pelvic inflammation, prementual syndrome, spotting between menses. <sup>1</sup>% based on female subjects only. N= 805 Respiratory Sylem Disorders - *Frequent*: bronchillis, sinus, congestion,

Respiratory System Disorders - Frequent: bronchits, sinus congestion, copyling, nasi congestion, sinus beache. Infrequent: asthma, breath shortness, langotis, presumoint pachelits. Sin and Appendepsi Boodres - Frequent: rash. Infrequent puritus, aone, alopecia, eczema, dermatilis, dry skin, folliculitis, lipoma, lurunculosis, dry lips, skin nodule. Special Sarses - Frequent: vision blurred, limitus. Infrequent: taple alteration,

Eye Disorders: diplopia, glaucoma. Gastrointestinal Disorder: gastrointestinal hemorrhage, pancreatitis, rectal

General Disorders and Administration Site Conditions: abnormal gait. Hepatobiliary Disorders: fulminant hepatitis, hepatic failure, hepatic necrosis,

deresaid. Metabolism and Nuthtion Disorders: hypoglycenia, hypokalenia. Musuloskieldi and Connective Tasse Disorders: httpd://molyosis. Nervous System Disorders: akainisa, choreathetosis, dysarthira, dyskinesia, dyschain, extragrupmidial disorders, grand mai sezures (or orouvisiona), hypoaesthesia, mycołowus, neuroleptic malignant syndrome, mystagmus, sezures, serotion syndrome, tative dyskinesia. Pegnany, hverperium and Perinala Conditions: spontaneous abortion.

Pegnano, Nerperiam and Pennial Conditors: spontaneous abortion. Popolitario Disordes acute spokolos: agression, anger, delnium, delusion, nightmer, paranoia, visual Halloinations. Reenal and Virang Visual Balloinations. Reproductive System and Breast Disorders: prinapiam. Reproductive System and Breast Disorders: prinapiam. Skin and Subotaneous Tissue Disorders: prinapiam. multiforme, photoenstitivity neaction, Stevens Johnson Syndrome, toxic egidemai necrolysis, urificata. Vascular Disorders: deep vein thrombosis, hypotension, orthostalic typotenson, Pielkis furnotoxis.

Controlled Substance Class Leargor is not a controlled substance. Physical and Psychological Dependence Animal studies suggest that the abuse liability of racenic citalopram is low. Leargor has not been systematically studied in humans for its potential for base, tolerance, or physical dependence. The permanketing citalical separitives with Leargor did not reveal any drug-seeking behavior. However, these observations were not systematic and its ont possible to predict on the basis

observations were not systematic and it is not possible to predict on the basis of this limited experience the extent to which a CNS-active drug will be misused, diverted, and/or abused once marketed. Consequently, physicians should carefully evaluate Lexapo patients for history of drug abuse and follow such abients obselv, doesving them for signs of misuse or abuse (e.g., development of tolerance, incrementations of dose, drug-seeking behavior).

Human Experience In clinical trials of escitalopram, there were reports of escitalopram overdose, including overdoses of up to 600 mg, with no associated fatalities. During the postmarketing evaluation of escilalopram, Lexapro overdoses involving overdoses of over 1000 mg have been reported. As with other SSRs, a fatal outcome in a patient who has taken an overdose of escitalopram has been rever venerdet

ons: electrocardiogram QT prolongation, INR increased, prothrombin

hepatitis. Immune System Disorders: allergic reaction.

DRUG ABUSE AND DEPENDENCE

ance Class

Controlled Subst

OVERDOSAGE

Investig

accompanying overdose. Management of Overdose Managemeit of Overdose Establish and maintain an airway to ensure adequate ventilation and oxygention. Gastric evacuation by lange and use of activated charcula should be considered. Cardid obserution and cardiac and vital sign monitoring are recommended, along with general symptomatic and spaportive care. Due to the gare volume of distribution of esotabliogram, forced diursis, dialysis, hemopertusion, and excharge translusion are unlikely to be of benefit. These are on specific anticles for Langon. In mateging overdosage, consider the possibility of multiple-drug involvement. The physician should consider constants policies constants to accele and policy and you advoce.

Symptoms most often accompanying escillappram overdose, alone or in combination with other drugs and/or achoh, induved convulsions, coma, diziness, hypotension, insomnia, nausea, vomiting, sinus tachycardia, somolence, and ECG charges (including QT prolongation and very rare cases of torsade de pointes). Acute ernal talute has been very rarely reported of torsade de pointes). Acute ernal talute has been very rarely reported

DOSAGE AND ADMINISTRATION Major Depressive Disorder Initial Treatment The recommended dose of Lexapro is 10 mg once daily. A fixed-toise trial of Lexapro demonstrated the effectiveness of both 10 mg and 20 mg of Lexango, but failed to demonstrate a greater benefit of 20 mg over 10 mg (see Chincial Efficancy final 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 morning or evening, with or

Leago should be estimitistered once using, in the intermediate section of the sec

Maintenno: Treatment III is generally agreed that coult-genoces of major depressive disorder require-several months or longer of subtimed pharmacological therapy beyond services of the decode. Systematic evaluation of continuing leasons 10 or 20 mg/day for periods of up to 30 weeks in patients with major depressive disorder with respected while balag Lacogn during an Sweek, subt-teatment phase demonstrated a benefit of such matterurace teatment (see Cinical Elicacy Talou und C. Marcalla, Neuerlabelsa, patients should be periodically reassessed to determine the need for maintennone teatment (see the subtimed of the subtimed defection) Generalized Analytic Disorder kelikit Teatment

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

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

patient. Discontinuation of Treatment with Lexapro Symptoms associated with discontinuation of Lexapro and other SSRIs and SVRs have been reported (see PRECAUTIONS). Patients should be monitored for these symptoms when discontinuing treatment. A graduat reduction in the dose rather than abrupt cessation is recommended whenever possible. If

dose rather than adrupt cessation is recommended whenever possible. If indicerable symptoms occur following a decrease in the othes or upon discontinuation of treatment, then resuming the previously prescribed dose may be considered. Subsequently, the physician may continue decreasing the dose but at a more gradual rate. Swhiching Patients To or From a Monoamine Duidase Inhibitor Al least 14 days should elapse between discontinuation of an IMO and initiation of Leagoro theraps, Similardy, at test 14 days should a elawed after stopping Leagoro before starting an MAOI (see CONTRAINDICATIONS and WATNINGS). HOW SUPPLIED 5 van Tablets:

White to off-white, round, non-scored, film-coated. Imprint "FL" on one side of the tablet and "5" on the other side.

the table and "> on me own swe. 10 mg Tables: Bottle of 100 NDC # 0456-2010-01 10 x 10 Unit Does NDC # 0456-2010-63 White to df-white, round, scored, film-coated, imprint on scored side with on the left side and "L" on the right side. Imprint on the non-scored side v -vor

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

Grai Solution: 5 mg/5 mL, peppermint flavor (240 mL) NDC # 0456-2101-08 Store at 25°C (77°F); excursions permitted to 15 - 30°C (59 - 86°F). ANIMAL TOXICOLOGY

5 mg Tablets: Bottle of 100 NDC # 0456-2005-01

Bottle of 100 NDC # 0456-2020-01 10 x 10 Unit Dose NDC # 0456-2020-63

20 mg Tablets

Oral Solution:

Initial Treatment

Store at 25° U/Tr1; accursons permitted to 15 - 30°C (89 - 86°F). AMMAL TOXOCOCHY Reflatd Changes in Refs Pathologic changes (degeneration/athoph) were observed in the refinas of abino risk in the 2-per carcinogenicity study with recenic chalopram. These pathologic changes (degeneration/athoph) were observed in the refinase receiving 24 molyalogy of recenic chalopram for the years. In these receiving to 1240 molyalogy of recenic chalopram for the years. In these receiving to 1240 molyalogy of recenic chalopram for one year. Additional studies of recenic chalopram for one year. Additional studies of recenic chalopram for the selfect in humans has not been establishen. Cardivascular Changes in Dogs In a one-year toxicology study, 5 of 10 beagle dogs receiving oral nacemic chalopram doses of 8 molyalogi did studieshy between weeks 17 and 31 doses of neumic chalopram up to 120 molyalogi with produced plasma levels of chalopram and 15 metablics endershylochapram and didentellybricalapram (DOC) similar to those observed in das at diseased of Domastical displanaments of the forestration frame in loogie do mylogi exercision DOC assued Of production and the pathopy have not been setablishen. outcome in doas Forest Pharmaceuticals, Inc Subsidiary of Forest Laboratories St. Louis, MO 63045 USA Licensed from H. Lundbeck A/S Licensec Rev. 08/08 ©2008 Forest Laboratories, Inc. COR6846