

May 2004

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IMPORTANT DRUG INFORMATION

Dear Healthcare Professional:

On March 22, 2004, the FDA issued a Public Health Advisory cautioning physicians, their patients, and families about the need to closely monitor all patients being treated with antidepressants.¹ This Advisory arose from the FDA's ongoing review of potential safety issues involving antidepressants and pediatric patients; additional information concerning this review is expected later this year. The FDA also announced that it was proposing labeling changes for ten antidepressants: Prozac® (fluoxetine), Zoloft® (sertraline), Paxil® (paroxetine), Luvox® (fluvoxamine), Celexa® (citalopram), Lexapro® (escitalopram), Wellbutrin® (bupropion), Effexor® (venlafaxine), Serzone® (nefazodone), and Remeron® (mirtazepine). These labeling changes, which have now been finalized, describe that patients with major depressive disorder, both adult and pediatric, may experience worsening of their depression and/or the emergence of suicidal ideation and behavior (suicidality), whether or not they are taking antidepressant medications. The changes include a new warning recommending close observation of adult and pediatric patients treated with antidepressant drugs for worsening depression or the emergence of suicidality, particularly at the beginning of treatment or at the time of dose increases or decreases.

GlaxoSmithKline, in consultation with the FDA, would like to advise you of the new warnings in the labeling for PAXIL® (paroxetine HCl) and PAXIL CR® (paroxetine HCl controlled-release tablets). These products are not approved for use in the pediatric population, and clinical trials for PAXIL failed to demonstrate efficacy in pediatric depression. Revisions have been made to the WARNINGS and PRECAUTIONS sections of the labeling to reflect the new warning for PAXIL and PAXIL CR. Please read the full text of the added WARNINGS and PRECAUTIONS following this letter. Full copies of the revised package inserts for PAXIL and PAXIL CR are enclosed.

The medical community can further our understanding of PAXIL and PAXIL CR by reporting adverse events to GlaxoSmithKline at 1-888-825-5249 or to the FDA MEDWATCH program by phone at 1-800-FDA-1088, by FAX at 1-800-FDA-0178, by modem at 1-800-FDA-7737 or by mail:

MEDWATCH HF-2 FDA 5600 Fisher's Lane Rockville, MD 20857

> ¹ For further information on the FDA Public Health Advisory please refer to the FDA's website at: http://www.fda.gov/cder/drug/antidepressants/AntidepressanstPHA.htm

> > Joint Exhibit

JX 7

GlaxoSmithKline encourages you to familiarize yourself with these revisions to labeling. If you have any questions about the new information, please contact our Medical Information Department at 1-888-825-5249.

Sincerely,

Alan Metz, M.D. V.P., Medical Worldwide Development, North America

WARNINGS-Clinical Worsening and Suicide Risk

Patients with major depressive disorder, both adult and pediatric, may experience worsening of their depression and/or the emergence of suicidal ideation and behavior (suicidality), whether or not they are taking antidepressant medications, and this risk may persist until significant remission occurs. Although there has been a long-standing concern that antidepressants may have a role in inducing worsening of depression and the emergence of suicidality in certain patients, a causal role for antidepressants in inducing such behaviors has not been established. Nevertheless, patients being treated with antidepressants should be observed closely for clinical worsening and suicidality, especially at the beginning of a course of drug therapy, or at the time of dose changes, either increases or decreases. Consideration should be given to changing the therapeutic regimen, including possibly discontinuing the medication, in patients whose depression is persistently worse or whose emergent suicidality is severe, abrupt in onset, or was not part of the patient's presenting symptoms.

Because of the possibility of co-morbidity between major depressive disorder and other psychiatric and non-psychiatric disorders, the same precautions observed when treating patients with major depressive disorder should be observed when treating patients with other psychiatric and nonpsychiatric disorders.

The following symptoms, anxiety, agitation, panic attacks, insomnia, irritability, hostility (aggressiveness), impulsivity, akathisia (psychomotor restlessness), hypomania, and mania, have been reported in adult and pediatric patients being treated with antidepressants for major depressive disorder as well as for other indications, both psychiatric and nonpsychiatric. Although a causal link between the emergence of such symptoms and either the worsening of depression and/or the emergence of suicidal impulses has not been established, consideration should be given to changing the therapeutic regimen, including possibly discontinuing the medication, in patients for whom such symptoms are severe, abrupt in onset, or were not part of the patient's presenting symptoms.

Families and caregivers of patients being treated with antidepressants for major depressive disorder or other indications, both psychiatric and nonpsychiatric, should be alerted about the need to monitor patients for the emergence of agitation, irritability, and the other symptoms described above, as well as the emergence of suicidality, and to report such symptoms immediately to health care providers. Prescriptions for PAXIL should be written for the smallest quantity of capsules consistent with good patient management, in order to reduce the risk of overdose.

If the decision has been made to discontinue treatment, medication should be tapered, as rapidly as is feasible, but with recognition that abrupt discontinuation can be associated with certain symptoms (see Precautions and Dosage and Administration, Discontinuation of Treatment with PAXIL, for a description of the risks of discontinuation of PAXIL).

It should be noted that PAXIL is not approved for use in treating any indications in the pediatric population.

A major depressive episode may be the initial presentation of bipolar disorder. It is generally believed (though not established in controlled trials) that treating such an episode with an antidepressant alone may increase the likelihood of precipitation of a mixed/manic episode in patients at risk for bipolar disorder. Whether any of the symptoms described above represent such a conversion is unknown. However, prior to initiating treatment with an antidepressant, patients should be adequately screened to determine if they are at risk for bipolar disorder; such screening should include a detailed psychiatric history, including a family history of suicide, bipolar disorder, and depression. It should be noted that PAXIL is not approved for use in treating bipolar depression.

PRECAUTIONS-Information for Patients

Patients and their families should be encouraged to be alert to the emergence of anxiety, agitation, panic attacks, insomnia, irritability, hostility, impulsivity, akathisia, hypomania, mania, worsening of depression, and suicidal ideation, especially early during antidepressant treatment. Such symptoms should be reported to the patient's physician, especially if they are severe, abrupt in onset, or were not part of the patient's presenting symptoms.

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PAXIL® (paroxetine hydrochloride) Tablets and Oral Suspension

PAXII. (paroxeline hydrochloride) is an orally administered psychotropic drug. It is the hydrochloride salt of a phenylpiperidine compound identified chemically as (-)-trans-4Fi(4"-iluorophenyl)-3S-[(3",4"-methylened-oxyphenoxy) methyl piperidine hydrochloride hemihydrate and has the empirical formula of C₁₁H_{wc}FNO₂+HCI-1/2H_xO. The molecular weight is 374.8 (329.4 as free base). The structural formula of paroxerine hydrochloride is.



Paroxetine hydrochloride is an odorless, off-white powder, having a melting point range of 120° to 138°C and a solubility of 5.4 mg/mL in water

Tablets: Each lim-coated tablet contains paroxetine hydrochloride equivalent to paroxetine as follows: 10 mg-yellow (scored); 20 mg-pink (scored); 30 mg-bue, 40 mg-green. Inactive ingredients consist of dibasic calcium phosphate dihydrate, hypromet-lose, magnesium stearate, poyethylene glycols, polysorbate 80; sodium starch glycolate, titanium dioxide, and 1 or more of the following: D&C Red No. 30, D&C Yellow No. 10, FD&C Blue No. 2, FD&C Yellow No. 6.

Suspension for Oral Administration: Each 5 mL of orange-closed, orange-flavored fiquid contains paroxetine hydrochloride equivalent to paroxetine, 10 mg. Inactive ingredients consist of polacifin potassium, microcrystalline cellulose, propylene glycot, glycern, sorbitot, methyl paraben, propyl paraben, sodium citrate dhydrate, citric acid arrhydrate, sodium saccharin, flavorings, FD8C Yellow No. 6, and simethicone emulsion, USP:

CLINICAL PHARMACOLOGY

CUNICAL PHARMACOLOGY
Pharmacodynamics: The efficacy of paroxetine in the treatment of major depressive disorder, social anxiety disorder, obsessive computative disorder (OCD), panic disorder (PD), generalized anxiety disorder (GAD), and postfraumatic stress disorder (PTSD) is presumed to be linked to potentiation of serotenergic activity in the central nervous system resulting from inhibition of neuronal recuptake of serotenin (5-hydroxy-tryptamics, 5-HT). Studies at clinically relevant doses in humans have demonstrated that paroxetine blocks the uptate of serotenin into human platelets. In vitro studies in animals also suggest that paroxetine is a potent and highly selective inhibitor of neuronal serotenin reuptake and has only very weak effects on norepinephrine doparmine neuronal reuptake. In vitro radiologand briding studies indicate that paroxetine has little affinity for muscarinic, alpha-, alpha-, beta-adrenergic copparame (D₂)-, 5-HT₂, 5-H₂, and histamine (H₃)-receptors; antagonism of muscarinic, in istaminento; and adhyna-udernergic receptors has been associated with various anticholinergic, sedative, and cardiovascular effects for other psychotropic drugs. Because the relative potencies of paroxetine's major metabolites are all most 1/50 of the parent compound, they are essentially inactive.

Pharmacokinetics: Paroxetine is equally bioavailable from the oral suspension and tablet.

Parametric Protection of the Second plants are supported as an absolute. Parametric protection of the hydrochloride salt. In a study in which normal male subjects (n = 15) received 30 mg tablets daily for 30 days, steady-state parametric concentrations were achieved by approximately 10 days for most subjects, although it may take substantially longer in an occasional patient. At steady state, may value of C₂₀₂, T₂₀₂, C₂₀₂, and T₁₂ were 61.7 ng/mL (CV 45%), 5.2 hr. (CV 10%), 30.7 ng/mL (CV 67%), and 21.0 hr. (CV 32%), respectively. The steady-state C₂₀₂ and C₂₀₂ always about 8 it imms greater than would have been predicted from single-dose studies. Steady-state drug exposure based on AUC₂₀₂ was about 8 it imms greater than would have been predicted from single-dose data in these subjects. The excess accumulation is a consequence of the fact that 1 of the enzymes that metabolizes parometric is readily saturable. saturable

In steady-state dose proportionality studies involving elderly and nonelderly patients, at doses of 20 mg to 40 mg daily for the elderly and 20 mg to 50 mg daily for the nonelderly, some nonlinearity was observed in both populations, again reflecting a saturable metabolic pathway. In comparison to C_{mg} values after 20 mg daily, values after 40 mg daily were only about 2 to 3 times greater than

doubled.
The effects of food on the bioavailability of paroxeline were studied in subjects administered a single dose with and without food. AUC was only slightly increased (6%) when drug was administered with food but the Congress only slightly increased form 6.4 hours post-dosing to 4.9 hours.

Paroxetine is extensively metabolized after onal administration. The principal metabolites are polar and conjugated products of oxidation and methylation, which are readily cleared. Conjugates with glucuronic acid and sultate predominate, and major metabolites have been isolated and identified. Data indicate that the metabolites have no more than 150 the potency of be predicted at inhibiting serotonin uptake. The metabolism of paroxetine is accomplished in part by offochrome PapillD, Safuration of this enzyme at clinical doses appears to account for the nonlinearity of paroxetine kinetics with increasing dose and increasing duration of treatment. The role of this enzyme in paroxetine metabolism also suggests potential drug-drug interactions (see PRECAUTIONS).

Approximately 64% of a 30-mg oral solution dose of paroxetine was excreted in the unine with 2% as the parent compound and 65% as metabolities ower a 10-day post-dosing period. About 35% was excreted in the lease (probably via the bile), mostly as metabolites and less than 1% as the parent compound over the 10-day post-dosing period.

Distribution: Paroxetine distributes throughout the body, including the CNS, with only 1% remaining in the plasma Protein Binding: Approximately 95% and 93% of paroxetine is bound to plasma protein at 100 ng/mL and 400 ng/mL, respetively. Under discincial conditions, paroxetine concentrations would normally be less than 400 ng/mL. Paroxetine does not after the vitro protein binding of phenytoin or warfarin.

Renal and Liver Disease: Increased plasma concentrations of paroxetine occur in subjects with renal and hepatic impairment. The mean plasma concentrations in patients with creatinine clearance below 30 mL/min. was approximately 4 times greater than seen in normal volunteers. Patients with renal relatine clearance of 30 to 60 mL/min. and patients with hepatic functional impairment had about a 2-fold increase in plasma concentrations (AUC, C_{max}).

The initial dosage should therefore be reduced in patients with severe renal or hepatic impairment, and upward titration, if necessary, should be at increased intervals (see DOSAGE AND ADMINISTRATION).

Elderly Patients: in a multiple-dose study in the elderly at daily paroxetine doses of 20, 30, and 40 mg. C_{min} concentrations were about 70% to 80% greater than the respective C_{min} concentrations in nonelderly subjects. Therefore the initial dosage in the elderly should be reduced (see DOSAGE AND ADMINISTRATION).

elderly should be reduced (see DOSAGE AND ADMINIST HATION).

Clinical Titals

Major Depressive Disorder: The efficacy of PAXIL as a treatment for major depressive disorder has been established in 6 placebo-controlled studies of patients with major depressive disorder (aged 18 to 73, bit hiese studies, PAXIL was shown to be significantly more effective than placebo in realing major depressive disorder by at least 2 of the following measures: Hamilton Depression Rating Scale (HDRS), the Hamilton depressed mood item, and the Clinical Global Impression (CGI)-Severity of Illness. PAXIL was showing inspirity of the PAXIL (as significantly better than placebo in improvement of the HDRS sub-factor scores, including the depressed mood item, sleep disturbance factor, and anxiety factor.

A study of outpatients with major depressive disorder who had responded to PAXIL (HDRS total score x8) during an initial 8-week open-treatment phase and were then randomized to continuation on PAXIL or placebo for 1 year demonstrated a significantly lower relapse rate for patients taking PAXIL (15%) compared to those on placebo (39%). Effectiveness was similar for male and termale patients.

Israelle patients.

Obsessive Compulsive Disorder: The effectiveness of PAXIL in the treatment of obsessive compulsive disorder (OCD) was demonstrated in two 12-week multicenter placebo-controlled studies of adult outpatients (Studies 1 and 2). Patients in all studies had moderate to severe OCD (DSM-IIIIR) with mean baseline ratings on the "râte Brown Obsessive Compulsive Scale (*PBCCS) total score ranging from 23 to 26. Study 1, a dose-range finding study where patients were treated with fixed doses of 20, 40, or 60 mg of parceliner day demonstrated that daily doses of parceliner 40 and 60 mg are effective in the treatment of OCD. Patients receiving doses of 40 and 60 mg parceliner experienced a mean reduction of approximately 6 and 7 points, respectively. Or *PBOCS total score which was significantly greater than the approximate 4-point reduction at 20 mg and a 3-point reduction in the placebo-freated patients. Study 2 was a flexible-dose study comparing parceline (20 to 60 mg daily) with compliants receiving parceliner experienced a mean reduction of approximately 7 points on the YBCCS total score, which was significantly greater than the mean reduction of approximately 4 points in placebo-freated patients.

The following table provides the outcome classification by treatment group on Global Improvement items of the Clinical Global Impression (CGI) scale for Study 1.

Outcome Classification	Placebo (n = 74)	PAXIL 20 mg (n = 75)	PAXIL 40 mg (n = 66)	PAXIL 60 mg (n = 66)
Worse	14%	7%	7%	3%
No Change	44%	35%	22%	19%
Minimally Improved	24%	33%	29%	34%
Much Improved	11%	18%	22%	24%
Very Much Improved	7%	7%	20%	20%

The long-term maintenance effects of PAXIL in OCD were demonstrated in a long-term extension to Study 1. Patients who were responders on paroxetine during the 3-month double-blind phase and a 6-month extension on open-label paroxetine (20 to 60 mg/dsp) were randomized to either paroxetine or placebo in a 6-month boutle-blind relapse prevention base. Patients randomized to paroxetine were significantly less likely to relapse than comparably treated patients who were randomized to placebo.

Panic Disorder: The effectiveness of PAXIL in the treatment of panic disorder was demonstrated in three 10- to 12-week multi-center, placebo-controlled studies of adult outpatients (Studies 1-3). Patients in all studies had panic disorder (DSM-IIIR), with or without agoraphobia. In these studies, PAXIL was shown to be significantly more effective than placebo in treating panic disorder by at least 2 out of 3 measures of panic attack frequency and on the Clinical Global Impression Severity of Illness score.

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Study 1 was a 10-week dose-range finding study; patients were freated with fixed paraxetine dose of 10, 20, or 40 mg/day or placebo. A significant difference from placebo was observed only for the 40 mg/day group. At endpoint, 76% of patients receiving paroxetine 40 mg/day were free of panic attacks, compared to 44% of placebo-freated patients.

Study 2 was a 12-week lessible-dose study comparing paraxetine (10 to 60 mg daily) and placebo. At endpoint, 51% of paroxetine patients were free of panic attacks compared to 32% of placebo-freated patients.

Study 3 was a 12-week flexible-dose study comparing paraxetine (10 to 60 mg daily) to placebo in palients concurrently receiving standardized cognitive behavioral threapy. At endpoint, 33% of the paraxetine-treated palients showed a reduction to 0 or 1 panic attacks compared to 14% of placebo patients.

In both Studies 2 and 3, the mean paroxetine dose for completers at endpoint was approximately 40 mg/day of paroxetine.

Long-term maintenance effects of PAXII in panic disorder were demonstrated in an extension to Study 1. Patients who we responders during the 10-week double-blind phase and during a 3-month double-blind extension phase were randomized to etl peroxeline (10, 20, or 40 mg/day) or placebo in a 3-month double-blind relapse prevention phase Patients randomized to paro line were significantly less likely to relapse than comparably treated patients who were randomized to placebo.

Subgroup analyses did not indicate that there were any differences in freatment outcomes as a function of age or gender. Social Anxiety Disorder: The effectiveness of PAXIL in the treatment of social anxiety disorder was demonstrated in three 12-week, multioniner, placebo-controlled studies (Studies 1, 2, and 3) of a dutil outpatients with social anxiety disorder does from outpatient to the studies, the effectiveness of PAXIL compared to placebo was evaluated on the basis of (1) the proportion of responders, as defined by a Clinical Global Improvement score of 1 (very much improved) or 2 (much improved), and (2) change from baseline in the Liebowitz Social Anxiety Scale (LSAS).

Debonitz Sodia Anderly Scale (LSMS).

Studies 1 and 2 were flexible-dose studies comparing paroxetine (20 to 50 mg daily) and placebo. Paroxetine demonstrated statistically significant superiority over placebo on both the CGI Improvement responder criterion and the Liebowitz Social Anxiety Scale (LSAS). In Study 1, for patients who completed to week 12, 69% of paroxetine-treated patients compared to 29% of placebo-treated patients were CGI Improvement responders. In Study 2, CGI Improvement responders were 77% and 42% for the paroxetine- and placebo-treated patients, respectively.

Study 3 was a 12-week study comparing fixed paraxetine doses of 20, 40, or 60 mg/day with placebo. Paraxetine 20 mg was demonstrated to be significantly superior to placebo on both the LSAS Total Score and the CGI Improvement responder criterion; there were trends for superiority over placebo for the 40 mg and 60 mg/day dose groups. There was no indication in this study of any additional benefit for doses higher than 20 mg/day.

Subgroup analyses generally did not indicate differences in treatment outcomes as a function of age, race, or gender.

Generalized Anxiety Disorder: The effectiveness of PAXIL in the freatment of Generalized Anxiety Disorder (GAD) was demonstrated in two B-week, multicenter, placebo-controlled studies (Studies 1 and 2) of adult outpatients with Generalized Anxiety Disorder (DSM-IV).

Study 1 was an 8-week study comparing fixed paraxetine doses of 20 mg or 40 mg/day with placebo. Doses of 20 mg or 40 mg of PAXIL were both demonstrated to be significantly superior to placebo on the Hamilton Raling Scale for Anxiety (HAM-A) total score. There was not sufficient evidence in this study to suggest a greater benefit for the 40 mg/day dose compared to the 20 mg/day dose.

mgiday dose.

Study 2 was a flexible-dose study companing parcxetine (20 mg to 50 mg daily) and placebo. PAXIL demonstrated statistically significant superiority over placebo on the Hamilton Rating Scale for Anxiety (HAM-A) total score. A third study, also flexible-dose comparing parcxetine (20 mg to 50 mg daily), did not demonstrate statistically significant superiority of PAXIL over placebo on the Hamilton Rating Scale for Anxiety (HAM-A) total score, the primary outcome.

Subgroup analyses did not indicate differences in treatment outcomes as a function of race or gender. There were insufficient elderly patients to conduct subgroup analyses on the basis of age.

In a longer-term Inst. §56 patients meeting DSM-IV criteria for Generalized Anxiety Disorder, who had responded during a single-blind, 8-week acute treatment phase with 20 to 50 mg/day of PAXIL, were randomized to continuation of PAXIL at their same dose, or to placebo, for up to 24 weeks ot observation for relapse. Response during the single-blind phase was defined by having a decrease of ≥2 points compared to baseline on the CGI-Severity of Illness scale, to a score of ≤3. Relapse during the double-blind phase was defined as an increase of ≥2 points compared to baseline on the CGI-Severity of Illness scale to a score of ≤4, or withdrawal due to lack of efficacy Patients receiving placebo.

Posttraumatic Stress Disorder (PTSD) was

or withdrawal due to lack of efficacy. Patents receiving continued PAXII experienced a significantly lower relapse rate over the subsequent 24 weeks compared to those receiving placebo.

Postitaumatic Stress Disorder: The effectiveness of PAXII. In the treatment of Postraumatic Stress Disorder (PTSD) was demonstrated in two 12-week, multicenter, Pacebo-controlled studies (Studies 1 and 2) of adult outpatients who met DSM-M criteria for PTSD. The mean duration of PTSD symptoms for the 2 studies combined was 13 years (ranging from .1 year to 57 years). The percentage of patients with secondary major degressive disorder or non-PTSD anxiety disorders in the combined 2 studies was 41% (335 out of 836 patients) and 40% (345 out of 836 patients), respectively. Study outcome was assessed by (i) the Clinician-Administered PTSD Scale Part 2 (CAPS-2) soore and (ii) the Clinician-Administered PTSD Scale Part 2 (CAPS-2) soore and (ii) the Clinician-Administered PTSD Scale Part 2 (CAPS-2) soore and (ii) the Clinician-Administered PTSD Scale Part 2 (CAPS-2) soore and (iii) the Clinician-Administered PTSD Scale Part 2 (CAPS-2) soore and (iii) the Clinician-Administered PTSD Scale Part 2 (CAPS-2) soore and (iii) the Clinician-Administered PTSD Scale Part 2 (CAPS-2) soore and (iii) the Clinician-Administered PTSD Scale Part 2 (CAPS-2) soore and (iii) the Clinician-Administered PTSD Scale Part 2 (CAPS-2) soore and (iii) the Clinician-Administered PTSD Scale Part 2 (CAPS-2) soore and (iii) the Clinician-Administered PTSD Scale Part 2 (CAPS-2) soore and (iii) the Clinician-Administered PTSD Scale Part 2 (CAPS-2) soore and (iii) the Clinician-Administered PTSD Scale Part 2 (CAPS-2) to a multi-distribution of the Scale Part 2 (CAPS-2) to a multi-distribution of the Scale Part 2 (CAPS-2) to a multi-distribution of the Scale Part 2 (CAPS-2) to a multi-distribution of the Scale Part 2 (CAPS-2) to a multi-distribution of the Scale Part 2 (CAPS-2) to a multi-distribution of the Scale Part 2 (CAPS-2) to a multi-distribution of the Scale Pa

The majority of patients in these trials were women (68% women: 377 out of 551 subjects in Study 1 and 66% women: 202 out of 303 subjects in Study 2). Subgroup analyses did not indicate differences in freatment outcomes as a function of gender. There were an insufficient number of patients who were 65 years and older or were non-Caucasian to conduct subgroup analyses on the basis of age or race, respectively.

INDICATIONS AND USAGE

INDICATIONS AND USAGE
Major Depressive Disorder: PAXIL is indicated for the treatment of major depressive disorder.

The efficacy of PAXIL in the treatment of a major depressive episode was established in 6-week controlled trials of outpatients whose diagnoses corresponded most closely to the DSM-III category of major depressive disorder (see CLINICAL PHARIMACOLOGY—Clinical Trials). A major depressive episode implies a prominent and relatively persistent depressed or dysphoric mood that usually interferes with daily functioning (nearly every day for at least 2 weeks); it should include at least 4 of the following 8 symptoms: Change in appetite, change in sleep, syschomotor against on or relation, loss of interest in usual activities or decrease in sexual drive; increased targue, feelings of guilt or worthlessness, slowed thinking or impaired concentration, and a suicide attempt or raidfall disention. or suicidal ideation

The effects of PAXIL in hospitalized depressed patients have not been adequately studied.

The efficacy of PAXIL in maintaining a response in major depressive disorder for up to 1 year was demonstrated in a placebo-controlled trial (see CLINICAL PHARIMACOLOGY—Clinical Titals). Nevertheless, the physician who elects to use PAXIL for extend-ed periods should periodically re-evaluate the long-term usefulness of the drug for the individual patient. Obsessive Computsive Disorder: PAXIL is indicated for the treatment of obsessions and compulsions in patients with obsessive compulsed disorder (COD) as defined in the DSM-IV. The obsessions or compulsions cause marked distress, are time-consum-ing, or significantly interfere with social or occupational functioning.

The efficacy of PAXIL was established in two 12-week trials with obsessive compulsive outpatients whose diagnoses corre-ponded most closely to the DSM-IIIR category of obsessive compulsive disorder (see CLINICAL PHARMACOLOGY—Clinical

Obsessive computative disorder is characterized by recurrent and persistent ideas, thoughts, impulses, or images (obsessions) that are ego-dystonic and/or repetitive, purposeful, and intentional behaviors (compulsions) that are recognized by the person as excessive or unreasonable.

Long-term maintenance of efficacy was demonstrated in a 6-month relapse prevention trial. In this trial, patients assigned to paroxetine showed a lower relapse rate compared to patients on placebo (see CLINICAL PHARMACOLOGY—Clinical Trials). Nevertheless, the physician who elects to use PAXIL for extended periods should periodically re-evaluate the long-term usefulness of the drug for the individual patient (see DOSAGE AND ADMINISTRATION).

of the drug for the individual patient (see DOSAGE AND ADMINISTRATION).

Panic Disorder: PAXIL is indicated for the treatment of panic disorder, with or without agoraphobia, as defined in DSM-IV. Panic disorder is characterized by the occurrence of unexpected panic attacks and associated concern about having additional attacks, worry about the implications or consequences of the attacks, and/or a significant change in behavior related to the attacks, worry about the implications or consequences of the attacks, and/or a significant change in behavior related to the attacks, inc. The efficacy of PAXIL was established in three 10- to 12-week trials in panic disorder patients whose diagnoses corresponded to the DSM-IIIR category of panic disorder (see CLINICAL PHARIMACOLOGY—Clinical Trials).

Panic disorder (DSM-IV) is characterized by recurrent unexpected panic attacks, i.e., a discrete period of intense tear or discomfort in which 4 (or move) of the blowing symptoms develop abruptly and reach a peak within 10 minutes: (1) palpitations, pounding heart, or accelerated heart rate; (2) sweating; (3) trembing or shaking; (4) sensations of shortness of breath or smothering; (5) feeling of other ing; (6) thest pain or discomfort; (7) nauses or absorbinal distress; (8) teeding dizzy, unsteaded, ightheaded, or fatarit; (9) derealization (feelings of unreality) or depensonalization (being detached from oneself); (10) fear of losing control; (11) fear of dying; (12) paresthesias (numbers or ingling sensations); (13) chills or hot flushes.

Long-term maintenance of efficacy was demonstrated in a 3-month relapse prevention trial. In this trial, patients with panic disorder

Long-term maintenance of efficacy was demonstrated in a 3-month relapse prevention trial. In this trial, patients with panic disorder assigned to paracetine demonstrated a lower relapse rate compared to patients on placebo (see CLINICAL PHARIMACOLOGY—Clinical Tinals). Nevertheless, the physician who prescribes PAXIL for extended periods should periodically re-evaluate the long-term usefulness of the drug for the individual patient.

Social Anxiety Disorder: PAXIL is indicated for the treatment of social anxiety disorder, also known as social phobia, as defined in DSM-IV (300.23). Social anxiety disorder is characterized by a marked and persistent lear of 1 or more social or performance situations in which the person is exposed to unfamiliar people or to possible scrutiny by others. Exposure the leared situation almost invariably provokes anxiety, which may approach the intensity of a panic attack. The feared situations are avoided or

endured with intense anxiety or distress. The avoidance, anxious anticipation, or distress in the feared situation(s) interferes sig-nificantly with the person's normal routine, occupational or academic functioning, or social activities or relationships, or there is marked distress about having the phobias. Lesser degrees of performance anxiety or shyness generally do not require psy-chopharmacological treatment.

chopharmacological treatment.

The efficing of PAXIL, was established in three 12-week trials in adult patients with social anxiety disorder (DSM-IV). PAXIL has not been studied in children or adolescents with social phobia (see CLINICAL PHARMACOLOGY—Chincal Trials).

The effectiveness of PAXIL in long-term treatment of social anxiety disorder, i.e., for more than 12 weeks, has not been systematically evaluated in adequate and well-controlled trials. Therefore, the physician who efects to prescribe PAXIL for extended periods should periodically re-evaluate the fions-ferm usefulness of the drug for the individual patient (see DOSAGE AND ADMINISTRATION).

Generalized Anxiety Disorder: PAXIL is indicated for the treatment of Generalized Anxiety Disorder (GAD, as defined in DSM-IV.

Anxiety or tension associated with the stress of everyday life usually does not require treatment with an anxiotytic.

The efficiency RAVIII in the treatment of GAD was established in two Newerk Index-Documontal trials (this with GAD RAVIII).

The efficacy of PAXIL in the freatment of GAD was established in two 8-week placebo-controlled trials in adults with GAD. PAXIL has not been studied in children or adolescents with Generalized Anxiety Disorder (see CLINICAL PHARMACOLOGY—Clinical Trials).

Generalized Anxiety Disorder (DSM-IV) is characterized by excessive anxiety and worry (apprehensive expectation) that is per-sistent for at least 6 months and which the person finds difficult to control. It must be associated with at least 3 of the following 6

sistem for at least e-months and which ne person hinds difficult to control. It must be associated with all feast 3 of the following 6 symptoms: Restlessness or feeling keyed up or on edge, being easily fatigued, difficulty concentrating or mind going blank, initiability, muscle tension, sleep disflutbance.

The efficacy of PAXIL in maintaining a response in patients with Generalized Anxiety Disorder, who responded during an 8-week acute treatment phase while taking PAXIL and were then observed for relapse during a period of up to 24 weeks, was demonstrated in a placebo-controlled trial (see CLINICAL PHARMACOLOGY—Clinical Trials). Nevertheless, the physician who elects to use PAXIL to excluded periods should periodically re-evaluate the long-term usefulness of the drug for the individual patient (see DCSAGE AND ADMINISTRATION).

Posttraumatic Stress Disorder: PAXIL is indicated for the treatment of Posttraumatic Stress Disorder (PTSD).

The efficacy of PAXIL in the treatment of PTSD was established in two 12-week placebo-controlled trials in adults with PTSD (DSM-IV) (see CLINICAL PHARMACOLOGY—Clinical Trials).

(DSM-VI) (see CLINICAL PHARMACOLOGY—Clinical Trials).

PTSD, as defined by DSM-VI, requires exposure to a traumatic event that involved actual or threatened death or serious injury, or threat to the physical integrity of sell or others, and a response that involves intense lear, helptessness, or horror. Symptoms that occur as a result of exposure to the traumatic event induste reexperiencing of the event in the form of intrusive thoughts, fashbacks, or dreams, and intense psychological distress and physiological reactivity on exposure to cuse to to the event, avoidance of situations reminiscent of the traumatic event, inability to recall details of the event, and/or rumbing of general responsiveness manifested as definitioned interest in significant activities, estrangement from others, restricted range of affect, or sense of foreshortened future; and symptoms of autonomic arousal including hypervigilance, exaggerated startle response, sleep disturbance, impaired concentration, and intriality or outbursts of anger. A PTSD diagnosis requires that the symptoms are present for at least a month and that they cause clinically significant distress or impairment in social, occupational, or other important areas of functioning.

The efficacy of PAXIL in longer-term treatment of PTSD, i.e., for more than 12 weeks, has not been systematically evaluated in placebo-controlled trials. Therefore, the physician who elects to prescribe PAXIL for extended periods should periodically re-eval-uate the long-term usefulness of the drug for the individual patient (see DOSAGE AND ADMINISTRATION).

Concomitant use in patients taking either monoamine oxidase inhibitors (MAOIs) or thioridazine is contraindicated (see WARN-INGS and PRECAUTIONS).

PAXIL is contraindicated in patients with a hypersensitivity to paroxetine or any of the inactive ingredients in PAXIL

WARNINGS

Potential for Interaction With Monoamine Oxidase inhibitors: in patients receiving another serotonin reuptake inhibitor drug Potential for Interaction With Monoamine Oxidase Inhibitors: In patients receiving another serotonin reuptake inhibitor drug in combination with a monoamine oxidase inhibitor (Mol), there have been reports of serious, sometimes fatal, reactions including hyperthermia, rigidity, myoclonus, autonomic instability with possible rapid fluctuations of vital signs, and mental status changes that include extreme agitation progressing to delirium and coma. These reactions have also been reported in patients who have recently discontinued that drug and have been started on an MAOI. Some cases presented with features resembling neurolepitic malignant syndrome. While there are no human data showing such an interaction with PAXIL, imited animal data on the effects of combined use of paracetine and MAOIs suggest that these drugs may act synergistically to elevate blood pressure and evoke behavioral excitation. Therefore, it is recommended that PAXIL not be used in combination with an MAOI, or within 14 days of discontinuing treatment with an MAOI. At least 2 weeks should be allowed after stopping PAXIL before starting an MAOI.

stopping PALL centres starting an invol.

Potential Interaction With Thioridazine: Thioridazine administration alone produces prolongation of the QTc interval, which is associated with serious ventricular arrhythmias, such as forsade de pointes-type arrhythmias, and sudden death. This effect appears to be dose related.

An in vivo study suggests that drugs which inhibit P_{ex}IID_s, such as paroxetine, will elevate plasma levels of thioridazine. Therefore, it is recommended that paroxetine not be used in combination with thioridazine (see CONTRAINDICATIONS and

PRECAUTIONS)

PRECAUTIONS).

Clinical Worsening and Suicide Risk: Patients with major depressive disorder, both adult and pediatric, may experience worsening of their depression and/or the emergence of suicidal ideation and behavior (suicidality), whether or not they are taking antidepressant medications, and this risk may pensist until significant remission occurs. Although there has been a long-standing concern that antidepressants in inducing outserning of depression and the emergence of suicidality in certain first, a causal role for antidepressants in inducing such behaviors has not been established. Nevertheless, patients being treated with antidepressants should be observed closely for clinical worsening and suicidality, especially at the beginning of a course of drug therapy, or at the time of dose changes, either increases or decreases. Consideration should be given to changing the therapeutic regimen, including possibly discontinuing the medication, in patients whose depression is persistently worse or whose emergent suicidality is severe, abrupt in onset, or was not part of the patients presenting symptoms.

Because of the possibility of co-morbidity between major depressive disorder and other psychiatric and nonpsychiatric disorders, the same procautions observed when treating patients with major depressive disorder should be observed when treating patients with other psychiatric and nonpsychiatric disorders.

same precautions observed when relaing patients with major depressive disorder should be coserved when relating patients with own psychiatric and nonpsychiatric disorders.

The following symptoms, anxiety, agitation, panic attacks, insomnia, irritability, hostility (aggressiveness), impulsivity, akaithisa (psychomotor resilessiness), hypomania, and mania, have been reported in adult and pediatric patients being freated with antidepressants or major depressive disorder as well as to other indications, both psychiatinc and nonpsychiatric. Although a causal link between the emergence of such symptoms and either the worsening of depression and/or the emergence of suicidal impulses has not been established, consideration should be given to changing the freatequetic regimen, including possibly discontinuity the medication, in patients for whom such symptoms are severe, abrupt in onset, or were not part of the patient's presenting symptoms.

for whom such symptoms are severe, abrupt in onset, or were not part of the patients presenting symptoms.

Families and caregivers of patients being freated with antidepressants for major depressive disorder or other indications, both psychiatric and nonpsychiatric, should be alerted about the need to monitor patients for the emergence of agitation, irritability, and the other symptoms described above, as well as the emergence of suicidality, and to report such symptoms immediately to health care provides. Prescriptions for PAXIL, should be written for the smallest quantity of tablets consistent with good patient management, in order to reduce the risk of overdose.

If the decision has been made to discontinue treatment, medication should be tapered, as rapidly as is teasible, but with recognition that abrupt discontinuation can be associated with certain symptoms (see PRECAUTIONS and DOSAGE AND ADMINISTRATION—Discontinuation of Treatment With PAXIL), for a description of the risks of discontinuation of PREALLY is not accommodated to use in treatment and indications in the needst that EAXIL is not accommodated to use in treatment and any advantage on the present production.

If should be noted that PAXIL is not approved for use in treating any indications in the pediatric population.

In anotice be noted that PAVLE is not approved to true in treating any indications in an expectance population.

A major depressive episode may be the initial presentation of bipolar disorder. It is generally believed (through not established in controlled trials) that treating such an episode with an antidepressant atone may increase the likelihood of precipitation of a mixed/manic reposed en platients at risk to bipolar disorder. Whether any of the symptoms described above represent such a conversion is unknown. However, prior to initiating treatment with an antidepressant, patients should be adequately screened to determine if they are at risk for bipolar disorder; such screening should include a detailed psychiatric history, including a bamily history of suicide, bipolar disorder, and depression. It should be noted that PAVIII, is not approved for use in treating bipolar depression.

PRECAUTIONS
General: Activation of Mania/Hypomania: During premarketing testing, hypomania or mania occurred in approximately 1.0% of unipolar patients treated with PAXIL compared to 1.1% of active-control and 0.3% of placebo-treated unipolar patients. In a subset of patients classified as bipolar, the rate of manic episodes was 2.2% for PAXIL and 11.6% for the combined active-control groups. As with all drugs effective in the treatment of major depressive disorder, PAXIL should be used cautiously in patients with a history of mania.

Seizures: During premarketing testing, seizures occurred in 0.1% of patients treated with PAXIL, a rate similar to that associated with other drugs effective in the treatment of major depressive disorder. PAXIL should be used cautiously in patients with a history of seizures. It should be disconfinued in any patient who develops seizures.

history of seizures. It should be discontinued in any patient who develops seizures.

Discontinuation of Treatment With PAXIL: Recent clinical trials supporting the various approved indications for PAXIL employed a taper-phase regimen, rather than an abrupt discontinuation of treatment. The taper-phase regimen used in GAD and PTSD clinical trials involved an incremental decrease in the daily dose by 10 mg/day at weekly intervals. When a daily dose of 20 mg/day was reached, patients were continued on this dose for 1 week before treatment was stopped.

With this regimen in those studies, the following adverse events were reported at an incidence of 2% or greater for PAXIL and were at least twice that reported for placebo. Abnormal dreams, paresthesia, and disziness. In the majority of patients, these events were mild to moderate and were self-limiting and did not require medical intervention.

During marketing of PAXIL and other SSRIs and SNRIs (sentonin and norepinephrine reuptake inhibitors), there have been spontaneous reports of adverse events occurring, upon the discontinuation of these drugs (particularly when abrupt), including the following Dysphore mod, irritability, agilation, disciness, sensory disturbances (e.g. paresthesias such as electric shock sensations), anxiety, confusion, headache, lethargy, emotional lability, insomnia, and hypomania. While these events are generally self-limiting, there have been reports of senous discontinuation symptoms.

Patients should be monitored for these symptoms when discontinuing treatment with PAXIL. A gradual reduction in the dose

have been reports of sencus discontinuation symptoms.

Patients should be monitored for these symptoms when discontinuing freatment with PAXIL. A gradual reduction in the dose rather than abrupt cessation is recommended whenever possible. If intolerable symptoms occur following a decrease in the dose 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 (see DOSAGE AND ADMINISTRATION).

Hyponatremia: Several cases of hyponatremia have been reported. The hyponatremia appeared to be reversible when PAXIL was

discontinued. The majority of these occurrences have been in elderly individuals, some in patients taking diuretics or who were otherwise volume depleted.

chewise volume depleted.

Abnormal Bleeding: Published case reports have documented the occurrence of bleeding episodes in patients treated with psychotropic agents that interfere with serotorin reuptake. Subsequent epidemiological studies, both of the case-control and cohort design, have demonstrated an association between use of psychotropic drugs that interfere with serotorin reuptake and the occurrence of upper gastrointestinal bleeding. In 2 studies, concurrent use of a nonsteroidal anti-inflammatory drug (NSAID) or asprin potentiated the risk of bleeding (see Drug Interactions). Although these 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 concomitant use of parcetine with NSAIDs, asprin, or other drugs that affect coagulation.

Use in Patients With Concomitant Illness: Clinical experience with PAXIL in patients with certain concomitant systemic illness is limited. Caution is advisable in using PAXIL in patients with diseases or conditions that could affect metabolism or hemodynamic reasons.

As with other SSRIs, mydriasis has been infrequently reported in premarketing studies with PAXIL. A tew cases of acute angle closure glaucoma associated with paroxetine therapy have been reported in the literature. As mydriasis can cause acute angle closure in patients with narrow angle glaucoma, caution should be used when PAXIL is prescribed for patients with narrow angle glau-

coma.

PAXIL has not been evaluated or used to any appreciable extent in patients with a recent history of myocardial infarction or unstable heart disease. Patients with these diagnoses were excluded from clinical studies during the products premarket testing. Evaluation of electrocardiograms of 682 patients who received PAXIL in doubte-blind, placebo-controlled trials, however, did not indicate that PAXIL is associated with the development of significant ECG abnormalities. Similarly, PAXIL does not cause any chrically important changes in heart rate or bood pressure.

Increased plasma concentrations of paroxeline occur in patients with severe renal impairment (creatinine clearance <30 m./tmin.) or severe hepatic impairment. A lower starting dose should be used in such patients (see DOSAGE AND ADMINISTRATION).

Information for Patients: Physicians are advised to discuss the following issues with patients for whom they prescribe PAXIL: Patients and their families should be encouraged to be alert to the emergence of anxiety, agitation, pario attacks, insomnia, irrability, hostility, impulsivity, admissia, typomania, mania, worsening of depression, and suicidal ideation, especially early during antidepressant treatment. Such symptoms should be reported to the patient's physician, especially if they are severe, abrupt in onset, or were not part of the patient's presenting symptoms. Drugs That Interfere With Hemostasis (MSAIDs, Aspirin, Warfarin, etc.): Patients should be cautioned about the concomiant use of parevenier and NSAIDs, aspirin, or other drugs that affect coagulation since the combined use of psychotropic drugs that interfere with senotorin reuptake and these agents has been associated with an increased risk of bleeding. Interference With Cognitive and Motor Performance: Any psychoactive drug may impair judgment, thinking, or motor skills. Although in controlled studies PAXIL has not been shown to impair psychomotor performance, patients should be cautioned about operating hazardous machinery, including automobiles, until they are reasonably certain that therapy with PAXIL does not affect their ability to engage in such activities.

**Completing Course of Therapy: While patients may notice improvement with treatment with PAXIL in 1 to 4 weeks, they should be advised to continue therapy as directed. Information for Patients: Physicians are advised to discuss the following issues with patients for whom they prescribe PAXIL:

Competing Counting the rappy: white patients may notice improvement with realment with PACIL. In 1.0.4 weeks, they should be advised to confinue therapy as directed.

Concomitant Medication: Patients should be advised to inform their physician if they are taking, or plan to take, any prescription or over-the-counter drugs, since there is a potential for interactions.

Alcohol: Although PAXIL has not been shown to increase the impairment of mental and motor skills caused by alcohol, patients should be advised to avoid alcohol while taking PAXIL.

Pregnancy: Patients should be advised to notify their physician if they become pregnant or intend to become pregnant during

Nursing: Patients should be advised to notify their physician if they are breast-feeding an infant (see PRECAUTIONS—Nursing Mothers).

Laboratory Tests: There are no specific laboratory tests recommended.

Laboratory tests: Infer air in o special caloratory tests recommended.

Drug Interactions: Tryptopham: As with other serotomin reuptake inhibitors, an interaction between paraxetine and tryptopham may occur when they are coadministered. Adverse experiences, consisting primarily of headache, nausea, sweating, and dizziness, have been reported when tryptopham was administered to patients taking PAXIL. Consequently, concomitant use of FAXIL with tryptophan is not recommended.

Monoamine Oxidase Inhibitors: See CONTRAINDICATIONS and WARNINGS.

Thioridazine: See CONTRAINDICATIONS and WARNINGS.

Internation: See CON HARINDICATIONS and WARNINGS.

Warfarin: Preliminary data suggest that there may be a pharmacodynamic interaction (that causes an increased bleeding diathesis in the face of unaftered prothrombin time) between paroxetine and warfarin. Since there is little clinical experience, the concomitant administration of PAXIL and warfarin should be undertaken with caution (see Drugs That Interferee With Hemostass).

Sumatriptan: There have been rare postmarketing reports describing patients with weakness, typerrefexia, and incoordination tolowing the use of a selective serotonin reuptake inhibitor (SSRI) and sumatriptan. It conomitant treatment with sumatriptan and an SSRII (e.g., tuoxetine, fluorocarrine, paroxetine, sertraline) is clinically warranted, appropriate observation of the patient is

Drugs Affecting Hepatic Metabolism: The metabolism and pharmacokinetics of paroxetine may be affected by the induction or inhibition of drug-metabolizing enzymes.

Climetidine: Climetidine inhibits many cytochrome P₄₅₀ (oxidative) enzymes. In a study where PAXIL (30 mg once daily) was dosed orally for 4 weeks, steady-state plasma concentrations of paroxetine were increased by approximately 50% during coadministration with oral cimetidine (300 mg three times daily) for the final week. Therefore, when these drugs are administered concurrently, dosage adjustment of PAXIL after the 20-mg starting dose should be guided by clinical effect. The effect of paroxe-tine or cimetidine's pharmacokinetics was not studied. tine on cimetidine's pharmacokinetics was not studied.

tine on cimetidine's pharmacokinetics was not studied.

**Pencharbitat: Phenobarbitat: Phenobarbitat induces many cytochrome P_{aco} (oxidative) enzymes. When a single oral 30-mg dose of PAXIL, was administered at phenobarbitat is steady state (100 mg once daily for 14 days), paroxetine AUC and T₁₀ were reduced (by an average of 25% and 33%, respectively) compared to paroxetine administered alone. The effect of paroxetine on phenobarbitat pharmacokinetics was not studied. Since PAXIL exhibits nonlinear pharmacokinetics, he results of this study may not address the case where the 2 drugs are both being chronically dosed. No initial dosage adjustment of PAXIL is considered necessary when coadministered with phenobarbitat; any subsequent adjustment should be guided by clinical effect.

**Phenytoin: When a single oral 30-mg dose of PAXIL was administered at phenytoin steady state (300 mg once daily for 14 days), paroxetine AUC and T₁₀ were reduced (12% on average) compared to phenytoin administered alone. In a separate study, when a single oral 300-mg dose of phenytoin was administered at paroxetine steady state (30 mg once daily for 14 days), phenytoin AUC was slightly reduced (12% on average) compared to phenytoin administered alone. Since both drugs exhibit nonlinear pharmacokinetics, the above studees may not address the case where the 2 drugs are both being chronically dosed. Not initial dosage adjustments are considered necessary when these drugs are coadministered; any subsequent adjustments should be guided by clinical effect (see ADVERSE REACTIONS—Postmarketing Reports).

guided by clinical effect (see ADVERSE REACTIONS—Postmarketing Reports).

Drugs Metabolized by Cytochrome P_{ab}IlQ₂-Many drugs, including most drugs effective in the treatment of major depressive disorder (paroxether, other SRIS and many tricyclos), are metabolized by the cytochrome P_{ab}Isozyme P_{ab}IlQ_b, Like other agents that are metabolized by P_{ab}IlQ_b, paroxetine may significantly inhibit the activity of this isozyme. In most patients (>90%), this P_{ab}IlQ_b isozyme is saturated early during dosing with PAXIL. In 1 study, daily dosing of PAXIL (20 mg once daily) under steady-state conditions increased single dose designamine (100 mg) C_{ab}IlQ_b, aUC, and T₁₂ by an average of approximately 2, 5, and 3-fold, respectively Concomitant use of PAXIL with other drugs metabolized by cytochrome P_{ab}IlQ_b has not been formally studied but may require lower doses than usually prescribed for either PAXIL or the other drug.

Therefore, coadministration of PAXIL with other drugs that are metabolized by this isozyme, including certain drugs effective in the treatment of major depressive disorder (e.g., nortriptyfine, amitriptyfine, impramine, designamine, and fluoxetine), phenotriazines, should be approached with caution.

However, due to the risk of serious ventricular antivithmics and audides dost notated the constant with a caution.

However, due to the risk of serious ventricular anhythmias and sudden death potentially associated with elevated plasma levels of thioridazine, parowetine and thioridazine should not be coadministered (see CONTRAINDICATIONS and WARNINIOS). At 1 steady state, when the P_{adel}ID₂ pathway is essentially saturated, paroxetine clearance is governed by alternative P_{ade} isozymes that, unlike P_{adel}ID₂, show no evidence of saturation (see PRECAUTIONS—Trioricic Antidepressants).

Drugs Metabolized by Cytochrome P_{col} IIIA₂: An in vivo interaction study involving the coadminist ation under sleady-state conditions of paroxetine and tertenadine, a substrate for cytochrome P_{col} IIIA₂, revealed no effect of paroxetine on tertenadine pharma-cokinetics. In addition, in vitro studies have shown ketoconactics, a potent inhibitor of P_{col} IIIA₂, activity, to be at least 100 times more potent than paroxetine as an inhibitor of the metabolism of several substrates for this enzyme, including tertenadine, astemizole, cisapride, triazolam, and cyclosporine. Based on the assumption that the relationship between parcetine's in vitro K, and its lack of effect on other administration of the conditional particles and its lack of selection to tertenadine's in vivo clearance predicts its effect on other IIIIA₂ substrates, paroxetne's extent of inhibition of IIIA₃ activity is not likely to be of clinical significance.

Tricyclic Antidepressants (TCAs): Caution is indicated in the coadministration of tricyclic antidepressants (TCAs) with PAXIL, because parcetine may inhibit TCA metabolism. Plasma TCA concentrations may need to be monitored, and the dose of TCA may need to be reduced, if a TCA is coadministered with PAXIL (see PRECAUTIONS—Drugs Metabolized by Cytochrome PayIDs)

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Drugs Highty Bound to Plasma Protein: Because paroxetine is highly bound to plasma protein, administration of PAXIL to a patient taking another drug that is highly protein bound may cause increased free concentrations of the other drug, potentially resulting in adverse events. Conversely, adverse effects could result from displacement of paroxetine by other highly bound drugs. Drugs That Interfere With Hemostasis (ISAMDs, Asprin, Warfarin, etc.) Serotonin release by platelety as an important role in hemostasis. Epidemiological studies of the case-control and cohort design that have demonstrated an association between use to psychotropic drugs that interfere with serotonin resuptate and the occurrence of upper gastrionitestnal being have also shown that concurrent use of an NSAID or aspirin potentiated the risk of bleeding. Thus, patients should be cautioned about the use of such drugs concurrently with paroxetine.

**Alcohol: Although FPXIL does not increase the impairment of mental and motor skills caused by alcohol, patients should be advised to avoid alcohol while taking FNXIL.

**Lithium: A multicle-does etably has shown that there is no pharmacokinetic interaction between PXXIL and lithium carbonate. How-

abused to avoid accord white taking FAXIL.

Lithium: A multiple-dose study has shown that there is no pharmacokinetic interaction between PAXIL and lithium carbonate. However, since there is title clinical experience, the concurrent administration of paraxetine and lithium should be undertaken with caution.

Digoxin: The steady-state pharmacokinetics of paraxetine was not aftered when administered with digoxin at steady state. Mean digoxin AUC at steady state decreased by 15% in the presence of paraxetine. Since there is little clinical experience, the concur-

rent administration of paroxetine and digoxin should be undertaken with caution.

Diazepam: Under steady-state conditions, diazepam does not appear to affect paroxetine kinetics. The effects of paroxetine on

diazepam were not evaluated.

Procyclidine: Daily crail dosing of PAXIL. (30 mg once daily) increased steady-state AUC_{DOF}, C_{mis}, and C_{mis} values of procyclidine; C mg oral once daily by 35%, 37%, and 67%, respectively, compared to procyclidine alone at steady state. It anticholnergic effects are seen, the dose of procyclidine should be reduced.

Beta-Blockers: In a study where programoid (80 mg hiving daily) was dosed orally for 18 days, the established steady-state plasma concentrations of programoid were unaltered during coadministration with PAXIL (30 mg once daily) for the final 10 days. The effects of programoid on paroxetine have not been evaluated (see ADVERSE REACTIONS—Postmarketing Reports).

Theophylline: Reports of elevated theophylline levels associated with treatment with PAXIL have been reported. While this interaction has not been formally studied, it is recommended that theophylline levels be monitored when these drugs are concurrently administered.

Electroconvulsive Therapy (ECT): There are no clinical studies of the combined use of ECT and PAXIL

Electrocomulsive Therapy (ECT): Interior are no chinical studies of the combined use of ECT and HAXIL.

Carcinogenesis, Mutagenesis, Impairment of Fertility: Carcinogenesis: Two-year carcinogenesis; Mutagenesis, Impairment of Fertility: Carcinogenesis: Two-year carcinogenesis; Sudies dispersion of the Septiment of the Septi of these findings to humans is unknown

increase in the number of tumors in mice, there was no drug-related increase in the number of mice with tumors. The relevance of these findings to humans is unknown.

Mutagenesis: Parosetine produced no genotoxic effects in a battery of 5 in vitro and 2 in vivo assays that included the following. Bacterial mutation assay, mouse lymphoma mutation assay, unscheduled DNA synthesis assay, and tests for cytogenetic aberrations in vivo in mouse bone marrow and in vitro in human lymphocytes and in a dominant lethal test in rets.

Impairment of Fertility: A reduced pregnancy rate was found in reproduction studies in rats at a dose of parosetine of 5 mg/kg/day, which is 2.9 times the MRHD for major depressive disorder, social anxiety disorder, 6AD, and PTSD or 2.4 times the MRHD for OCD on a mg/m² basis. Irreversible lesions occurred in the reproductive tract of male rats after dosing in toxicity studies for 2 to 52 weeks. These lesions consisted of vacuorlation of epididymal bubdar epithelium at 50 mg/kg/day and alrophic changes in the seminiterious tubules of the testes with arrested spermatogenesis at 25 mg/kg/day (9.8 and 4.9 times the MRHD for major depressive disorder, social anxiety disorder, and GAD; 8.2 and 4.1 times the MRHD of OCD and PD on a mg/m² basis). Pregnancy: Terratogenic Effects: Pregnancy Category C. Reproduction studies were performed at doses up to 35 mg/kg/day in rats and 6 mg/kg/day in rabbits administered during organogenesis. These doses are equivalent to 9.7 (rat) and 2.2 (rabbit) times the MRHD for major depressive disorder, social anxiety disorder, gad, and PTSD (50 mg) and 8.1 (rat) and 1.9 (rabbit) times the MRHD to COD, on an mg/m² basis. These studies have revealed no evidence of teratogenic effects. However, in rats, there was an increase in pup deaths during the list 4 days of lactation when dosing coursed during the last timester of gestation and continued throughout lactation. This effect occurred at a dose of 1 mg/kg/day or 0.15 times (mg/m²) the MRHD for major depressive disorder,

Labor and Delivery: The effect of paroxeline on labor and delivery in humans is unknown

Nursing Mothers: Like many other drugs, paroxetine is secreted in human milk, and caution should be exercised when PAXIL is administered to a nursing woman.

Pediatric Use: Salety and effectiveness in the pediatric population have not been established (see WARNINGS—Clinical Worsening and Suicide Risk).

Geriatric Use: In worldwide premarketing clinical trials with PAXIL, 17% of patients treated with PAXIL (approximately 700) were 65 years of age or older Pharmacokinetic studies revealed a decreased clearance in the elderly, and a lower starting does is rec-ommended; there were, however, no overall differences in the adverse event profile between elderly anounger patients, and effectiveness was similar in younger and older patients (see CLINICAL PHARMACOLOGY and DOSAGE AND ADMINISTRA-

ADVERSE REACTIONS

ADVERSE REACTIONS

Associated With Discontinuation of Treatment: Twenty percent (1,199/6,145) of patients treated with PAXIL in worldwide clinical trials in major depressive disorder and 16.1% (84/522), 11.8% (64/542), 9.4% (444/69), 10.7% (79/735), and 11.7% (79/750) of patients treated with PAXII, in worldwide trials in social anxiety disorder, COD, panic disorder, GAD, and PTSD, respectively, discontinued treatment due to an adverse event. The most common events (21%) associated with discontinuation and considered to be drug related (i.e., those events associated with dropout at a rate approximately twice or greater for PAXII. Compared to place bo) included the following:

	Depr	ajor essive order	0	CD		nic order	An	cial clety order	An	ralized xiety order	PI	rsd
	PAXIL	Placebo	PAXIL	Placebo	PAXIL	Placebo	PAXIL	Placebo	PAXIL	Placebo	PAXIL	Placebo
CNS Somnolence Insomnia Agitation Tremor Anxiety Dizziness	2.3% 1.1% 1.1%	0.7% - 0.5% 0.3%	1.7%	0%	1.9% 1.3%	0.3% 0.3%	3.4% 3.1% 1.7% 1.1% 1.9%	0.3% 0% 0% 0%	20%	0.2%	2.8%	0.6% - 0.2% -
Gastro- intestinal Constipation Nausea Diarrhea Dry mouth Vomiting Flatulence	3 2% 1.0% 1.0%	1 1% 0.3% 0.3% 0.3%	11% 19% - -	0% 0%	32%	1.2%	4.0% 1.0% 1.0%	0.3% 0% 0.3%	2 0%	0.2%	22%	0.6%
Other Asthenia Abnormal ejaculation ¹ Sweating Impotence ¹	1.6% 1.6% 1.0%	0.4% 0% 0.3%	1.9% 2.1% 	0.4% 0% 0%			2.5% 4.9% 1.1%	0.6% 0.6% 0%	1.8% 2.5% 1.1%	0.2% 0.5% 0.2%	1.6%	0.2%
Libido Decreased							1.0%	0%			-	-

Where numbers are not provided the incidence of the adverse events in patients treated with PAXIL was not >1% or was not

greater than or equal to 2 times the incidence of placebo 1. Incidence corrected for gender

Commonly Observed Adverse Events: Major Depressive Disorder: The most commonly observed adverse events associated with the use of paroxetine (incidence of 5% or greater and incidence for PAXIL at least twice that for placebo, derived from Table 1) were: Asthenia, sweating, nausea, decreased appetite, somnolence, dizziness, insomnia, tremor, nervousness, ejaculatory disturbance, and other male genital disorders.

bance, and other male genital disorders.

Obsessive Computaive Disorder: The most commonly observed adverse events associated with the use of paroxeine (incidence of 5% or greater and incidence for PAXIL at least twice that of placebo, derived from Table 2) were: Nausea, dry mouth, decreased appetite, constipation, dizzness, somnotence, termor, sweating, impotence, and abnormal ejaculation.

Panic Disorder: The most commonly observed adverse events associated with the use of paroxetine (incidence of 5% or greater and incidence for PAXIL at least twice that for placebo, derived from Table 2) were skathenia, sweating, decreased appetite, libido decreased, termor, abnormal ejaculation, female genital disorders, and impotence.

Social Anxiety Disorder: The most commonly observed adverse events associated with the use of paroxetine (incidence of 5% or greater and incidence for PAXIL at least twice that for placebo, derived from Table 2) were: Sweating, nausea, dry mouth, constipation, decreased appetite, somnofence, fremor, libido decreased, yawn, abnormal ejaculation, female genital disorders, and impotence.

impotence.

Generalized Anxiety Disorder: The most commonly observed adverse events associated with the use of parcxetine (incidence of 5% or greater and incidence for PAXIL at least twice that for placebo, derived from Table 3) were Asthenia, infection, constipation, decreased appetite, dry mouth, nausea, titido decreased, comnolence, tremor, sweating, and abnormal ejaculation.

Posttraumatic Stress Disorder: The most commonly observed adverse events associated with the use of paracetine (incidence of 5% or greater and incidence for PAXIL at least twice that for placebo, derived from Table 3) were Asthenia, sweating, nausea, dry mouth, diarrhea, decreased appetite, somnotence, libido decreased, abnormal ejaculation, female genital disorders, and impotence.

Incidence in Controlled Clinical Trials: The prescriber should be aware that the figures in the tables following cannot be used to

predict the incidence of side effects in the course of usual medical practice where patient characteristics and other factors differ from those that prevalled in the clinical trials. Similarly, the cited frequencies cannot be compared with figures obtained from other clinical investigations involving different treatments, uses, and investigators. The cited figures, however, do provide the prescribing physician with some basis for estimating the relative contribution of drug and nondrug factors to the side effect incidence rate in the populations studied

Major Depressive Disorder: Table 1 enumerales adverse events that occurred at an incidence of 1% or more among paroxe line-treated patients who participated in short-term (6-week) placebo-controlled trials in which patients were dosed in a range of 20 mg to 50 mg/day. Reported adverse events were classified using a standard COSTART-based Dictionary terminology.

Table 1. Treatment-Emergent Adverse Experience Incidence in Placebo-Controlled Clinical Trials for Major Depressive Disorder

Body System	Preferred Term	PAXIL (n = 421)	Placebo (n = 421)
Body as a Whole	Headache	18%	17%
	Asthenia	15%	6%
Cardiovascular	Palpitation	3%	1%
	Vasodilation	3%	1%
Dermatologic	Sweating	11%	2%
	Rash	2%	1%
Gastrointestinal	Nausea Dry Mouth Constipation Diarrhea Decreased Appetite Flatulence Oropharynx Disorder ² Dyspepsia	26% 18% 14% 12% 6% 4% 2% 2%	9% 12% 9% 8% 2% 2% 0%
Musculoskeletal	Myopathy	2%	1%
	Myalgia	2%	1%
	Myasthenia	1%	0%
Nervous System	Somnolence Dizziness Insomnia Tremor Nervousness Anxiety Paresthesia Libido Decreased Drugged Feding Confusion	23% 13% 8% 5% 5% 4% 3% 2% 1%	9% 6% 6% 2% 3% 3% 2% 0% 0%
Respiration	Yawn	4%	0%
Special Senses	Blurred Vision	4%	1%
	Taste Perversion	2%	0%
Urogenital System	Ejaculatory Disturbance ^{3,4} Other Male Genital Disorders ^{3,5} Urinary Frequency Urination Disorder ⁹ Female Genital Disorders ^{3,7}	13% 10% 3% 3% 2%	0% 0% 1% 0% 0%

- Female Genetal Disorders^{2,2} 2%.

 Events reported by at least 1% of patients treated with PAXIL are included, except the following events which had an incidence on placebo ≥PAXIL: Abdominal pain, agitation, back pain, chest pain, CNS stimulation, lever, increased appetite, myodorius, pharyngitis, postural hypotension, respiratory disorder (includes mostly "cold symptoms" or "URIT"), frauma, and verniting.

 Includes mostly Turrp in throat" and "highiness in throat".

 Percentage corrected for gender.

 Mostly "gioculatory delay".

 Includes "anorgasmia," erectile difficulties," "delayed ejaculation/orgasm," and "sexual dysfunction," and "impotence."

 Includes mostly "difficulty with miclurition" and "urinary hesitancy.

 To include mostly "difficulty with miclurition" and "urinary hesitancy.

 To include mostly "difficulty with miclurition" and "urinary hesitancy.

 To include mostly "difficulty with miclurition" and "urinary hesitancy.

 To include mostly "difficulty with miclurition" and "urinary hesitancy.

 To include mostly "difficulty with miclurition" and "urinary hesitancy.

 To include mostly "difficulty with miclurition" and "urinary hesitancy.

7. Includes mostly "anorgasmia" and "difficulty reaching climaxiorgasm." Obsessive Computsive Disorder, Panic Disorder, and Social Anxiety Disorder. Table 2 enumerates adverse events that occurred at a frequency of 2% or more among OCD patients on PAXIL who participated in placebo-controlled trials of 12-weeks duration in which patients were dosed in a range of 20 mg to 60 mg/day or among patients with panic disorder on PAXIL who participated in placebo-controlled trials of 10 To 12-weeks duration in which patients were dosed in a range of 20 mg to 60 mg/day or among patients with social anxiety disorder on PAXIL who participated in placebo-controlled trials of 12-weeks duration in which patients were dosed in a range of 20 mg to 50 mg/day.
Table 2. Treatment-Emergent Adverse Experience Incidence in Placebo-Controlled Clinical Trials for Obsessive Compulsive Disorder, Panic Disorder, and Social Anxiety Disorder!

		Obsessive Compulsive Disorder			nic order	Social Anxiety Disorder	
Body System Prefe	Preferred Term	PAXIL (n = 542)	Placebo (n = 265)	PAXIL (n = 469)	Placebo (n = 324)	PAXIL (n = 425)	Placebo (n = 339)
Body as a Whole	Asthenia	22%	14%	14%	5%	22%	14%
	Abdominal Pain	-	-	4%	3%	-	-
1	Chest Pain	3%	2%	÷			-
	Back Pain	-	-	3%	2%	-	-
	Chills	2%	1%	2%	1%	- 5	7.
	Trauma	-	-	-	-	3%	1%
Cardiovascular	Vasodilation	4%	1%	-	-	Ψ.	-
	Palpitation	2%	0%	-	-	=	-
Dermatologic	Sweating	9%	3%	14%	6%	9%	2%
	Rash	3%	2%	-	-	-	-
Gastrointestinal	Nausea	23%	10%	23%	17%	25%	7%
	Dry Mouth	18%	9%	18%	11%	9%	3%
	Constipation	16%	6%	8%	5%	5%	2%
	Diarrhea Decreased	10%	10%	12%	7%	9%	6%
F	Appetite	9%	3%	7%	3%	8%	2%
	Dyspepsia	-	-	-	-	4%	2%
	Flatulence Increased	-	-	-	-	4%	2%
	Appetite	4%	3%	2%	1%	-	-
	Vomiting	-	-		-	2%	1%
Musculoskeletal	Myalgia	~	*	*	-	4%	3%
Nervous System	Insomnia	24%	13%	18%	10%	21%	16%
	Somnolence	24%	7%	19%	11%	22%	5%
	Dizziness	12%	6%	14%	10%	11%	7%
	Tremor	11%	1%	9%	1%	9%	1%
	Nerwousness	9%	8%	-		8%	7%
	Libido Decreased	7%	4%	9%	1%	12%	1%
7	Agitation	-	-	5%	4%	3%	1%
	Anxiety	-	-	5%	4%	5%	4%
	Abnormal	5, 5		200	63392	CHACTA	
	Dreams Concentration	4%	1%	-	-	-	-
	Impaired	3%	2%	-	-	4%	1%
11	Depersonalization	3%	0%	-		-	-
	Myocionus	3%	0%	3%	2%	2%	1%
	Amnesia	2%	1%	-		-	-
Respiratory	Rhinitis	-	-	3%	0%	70.0	-
System	Pharyngitis	-	-	-	-	4%	2%
	Yawn	-				5%	1%
Special Senses	Abnormal Vision	4%	2% 0%	_	-	4%	1%
THE THE WOOD OF THE	Taste Perversion	2%	0%	-	-		-
Urogenital	Abnormal					1923 (37)	223
System	Ejaculation ²	23%	1%	21%	1%	28%	1%
	Dysmenorrhea	-	-	-		5%	4%

continued

Table 2. Treatment Emergent Adverse Experience Incidence in Placebo-Controlled Clinical Trials for Obsessive

		Obsessive Compulsive Disorder		Panic Disorder		Social Anxiety Disorder	
Body System	Preferred Term	PAXIL (n = 542)	Placebo (n = 265)	PAXIL (n = 469)	Placebo (n = 324)	PAXIL (n = 425)	Placebo (n = 339)
Urogenital System Disorder Impotenc Urinary Frequen Urination Impaired	Female Genital Disorder ² Impotence ²	3% 8%	0% 1%	9% 5%	1%	9% 5%	1% 1%
	Urinary Frequency	3%	1%	2%	0%		-
	Impaired Urinary Tract	3%	0%	-	-		-
	Infection	2%	1%	2%	1%	-	-

| Intection | 2% | 1% | 2% | 1% | --- |
|--- | Events reported by at least 2% of OCD, panic disorder, and social anxiety disorder in patients treated with PAXIL are included, except the following events which had an incidence on placebo ≥PAXIL (OCD). Abdominal pain, agitation, anxiety, back pain, cough increased, depression, hand reams, abnormal vision, chest pain, cough increased, depression, disorder, finitis, and sinustists, Papina disorder, Abnormal dreams, abnormal vision, chest pain, cough increased, depression, depression, dysmenorrhea, dyspepsia, itu syndrome, headache, infection, myalga, nervousness, palpitation, paresthesia, pharynglis, rash, respiratory disorder simustifs, lastle pervension, Irauma, unination impaired, and vasodilation. [social anxiety disorder]. Abdominal pain, degression, headache, infection, respiratory disorder, and sinusitis.

2 Percentage corrected for gender

Generalized Anxiety Disorder and Posttraumatic Stress Disorder: Table 3 enumerates adverse events that occurred at a frequency of 2% or more among GAD patients on PAXIL who participated in placebo-controlled finals of 8-weeks duration in which patients were dosed in a range of 10 mightay to 50 mydgay or among PTSD patients on PAXIL with participated in placebo-controlled finals of 8-weeks duration in which patients were dosed in a range of 10 mightay for 50 mydgay to 50

Table 3. Treatment-Emergent Adverse Experience Incidence in Placebo-Controlled Clinical Trials for Generalized Anxiety Disorder and Posttraumatic Stress Disorder³

			zed Anxiety sorder	Posttraumatic Stress Disorder	
Body System	Preferred Term	PAXIL (n = 735)	Placebo (n = 529)	PAXIL (n = 676)	Placebo (n = 504)
Body as a Whole	Asthenia Headache Infection Abdominal Pain Trauma	14% 17% 6%	6% 14% 3%	12% 5% 4% 6%	4% - 4% 3% 5%
Cardiovascular	Vasodilation	3%	1%	2%	1%
Dermatologic	Sweating	6%	2%	5%	1%
Gastrointestinal	Nausea Dry Mouth Constipation Diarrhea Decreased Appetite Vomiting Dyspepsia	20% 11% 10% 9% 5% 3%	5% 5% 2% 7% 1% 2%	19% 10% 5% 11% 6% 3% 5%	8% 5% 3% 5% 3% 2% 3%
Nervous System	Insomnia Somnolence Dizziness Tremor Nervousness Libido Decreased Abnormal Dreams	11% 15% 6% 5% 4% 9%	8% 5% 5% 1% 3% 2%	12% 16% 6% 4% - 5% 3%	11% 5% 5% 1% - 2% 2%
Respiratory System	Respiratory Disorder Sinusifis Yawn	7% 4% 4%	5% 3%	2%	- <1%
Special Senses	Abnormal Vision	2%	1%	3%	1%
Urogenital System	Abnormal Ejaculation ² Female Genital Disorder ² Impotence ²	25% 4% 4%	2% 1% 3%	13% 5% 9%	2% 1% 1%

Events reported by at least 2% of GAD and PTSD in patients treated with PAXIL are included, except the following events which
had an incidence on placebo >PAXIL (GAD) Abdominal pain, back pain, trauma, dyspepsia, mysloja, and pharyngitis. [PTSD]:
Back pain, headache, anxiety, depression, nervousness, respiratory disorder, pharyngitis, and sinusitis.
 Percentage corrected for gender

Dose Dependency of Adverse Events: A comparison of adverse event rates in a fixed-dose study comparing 10, 20, 30, and 40 mg/day of PAXII, with placebo in the treatment of major depressive disorder revealed a clear dose dependency for some of the more common adverse events associated with use of PAXIIL, as shown in the following table:

Table 4. Treatment-Emergent Adverse Experience Incidence in a Dose-Comparison Trial in the Treatment of Major

	Placebo		PAXIL		
Body System/Preferred Term	n = 51	10 mg n = 102	20 mg n = 104	30 mg n = 101	40 mg n = 102
Body as a Whole Asthenia	0.0%	2.9%	10.6%	13.9%	12.7%
Dermatology Sweating	2.0%	1.0%	6.7%	8.9%	11.8%
Gastrointestinal Constipation Decreased Appette Diarrhea Dry Mouth Nausea	5.9% 2.0% 7.8% 2.0% 13.7%	4.9% 2.0% 9.8% 10.8% 14.7%	7.7% 5.8% 19.2% 18.3% 26.9%	9.9% 4.0% 7.9% 15.8% 34.7%	12.7% 4.9% 14.7% 20.6% 36.3%
Nervous System Anxiety Dizziness Nervousness Paresthesia Somnolence Tremor	0.0% 3.9% 0.0% 0.0% 7.8% 0.0%	2.0% 6.9% 5.9% 2.9% 12.7% 0.0%	5.8% 6.7% 5.8% 1.0% 18.3% 7.7%	5.9% 8.9% 4.0% 5.0% 20.8% 7.9%	5.9% 12.7% 2.9% 5.9% 21.6% 14.7%
Special Senses Blurred Vision	2.0%	2.9%	2.9%	2.0%	7.8%
Urogenital System Abnormal Ejaculation Impotence Male Genital Disorders	0.0% 0.0% 0.0%	5.8% 1.9% 3.8%	6.5% 4.3% 8.7%	10.6% 6.4% 6.4%	13.0% 1.9% 3.7%

* Rule for including adverse events in table. Incidence at least 5% for 1 of paroxetine groups and > twice the placebo incidence for at least 1 paroxetine group.

In a fixed-dose study comparing placebo and 20, 40, and 60 mg of PAXIL in the treatment of OCD, there was no dear relationship between adverse events and the dose of PAXIL to which patients were assigned. No new adverse events were observed in the group treated with 60 mg of PAXIL compared to any of the other treatment groups.

In a fixed-dose study comparing placebo and 10, 20, and 40 mg of PAXIL in the treatment of panic disorder, there was no clear relationship between adverse events and the dose of PAXIL to which patients were assigned, except for asthenia, dry mouth, anxiety, libido decreased, tremor, and ahnormal ejaculation. In flexible dose studies, no new adverse events were observed in patients receiving 60 mg of PAXIL compared to any of the other treatment groups.

In a fixed-dose study comparing placebo and 20, 40, and 60 mg of PAXIL in the treatment of social anxiety disorder, for most of the adverse events, there was no clear relationship between adverse events and the dose of PAXIL to which patients were

assigned.

In a fixed-dose study comparing placebo and 20 and 40 mg of PAXIL in the treatment of generalized anxiety disorder, for most of the adverse events, there was no clear rotationship between adverse events and the close of PAXIL to which patients were assigned, except for the following adverse events. Asthenia, constipation, and abnormal ejaculation.

In a fixed-dose study comparing placebo and 20 and 40 mg of PAXIL in the treatment of posttraumatic stress disorder, for most of the adverse events, there was no clear relationship between adverse events and the close of PAXIL to which patients were

signed, except for impotence and abnormal ejaculation

Adaptation to Certain Adverse Events: Over a 4-to 6-week period, there was evidence of adaptation to some adverse events with continued therapy (e.g., nausea and dizziness), but less to other effects (e.g., dry mouth, somnotence, and asthenia). Mala and Female Sexual Dysfunction With SSRIs: Although changes in sexual desire, sexual performance, and sexual satisfaction often occur as manifestations of a psychiatinc disorder, they may also be a consequence of pharmacologic treatment. In particular, some evidence suggests that selective serotonin reuptake inhibitors (SSRIs) can cause such unloward sexual experiences.

Reliable estimates of the incidence and severity of untoward 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 untoward sexual experience and performance cited in product labeling, are likely to underestimate their actual

In placebo-controlled dinical trials involving more than 3,200 patients, the ranges for the reported incidence of sexual side effects in males and females with major depressive disorder, OCD, panic disorder, social anxiety disorder, GAD, and PTSD are displayed in Table 5.

Table 5. Incidence of Sexual Adverse Events in Controlled Clinical Trials

	PAXIL	Placebo
n (males)	1446	1042
Decreased Libido	6-15%	0-5%
Ejaculatory Disturbance	13-28%	0-2%
Impotence	2-9%	0-3%
n (females)	1822	1340
Decreased Libido	0-9%	0-2%
Orgasmic Disturbance	2.9%	0-1%

There are no adequate and well-controlled studies examining sexual dysfunction with paroxetine treatment

Paroxetine treatment has been associated with several cases of priapism. In those cases with a known outcome, patients recov-

While it is difficult to know the precise risk of sexual dysfunction associated with the use of SSRIs, physicians should rout inquire about such possible side effects.

Weight and Vital Sign Changes: Significant weight loss may be an undesirable result of treatment with PAXIL for some patients but, on average, patients in controlled trials had minimal (about 1 pound) weight loss versus smaller changes on placebo and active control. No significant changes in vital signs (systolic and diastolic blood pressure, pulse and temperature) were observed in patients treated with PAXIL in controlled clinical trials.

patients treated with PAXIL in controlled chinical trials.

ECG Changes: In an analysis of ECGs obtained in 682 patients treated with PAXIL and 415 patients treated with placebo in controlled clinical trials, no clinically significant changes were seen in the ECGs of either group.

Liver Function Tests: In placebo-controlled clinical trials, patients treated with PAXIL exhibited abnormal values on liver function tests at no greater rate than that seen in placebo-treated patients. In particular, the PAXIL-versus-placebo comparisons for alkaline phosphatase, SGOT, SGPT, and bilirubin revealed no differences in the percentage of patients with marked abnormalities. arkaine prospinates, SOU, SOP, in a common revealed no intervences in the proceedings or paients with market automatives Other Events Observed During the Premarketing Evaluation of PAXIL: During its premarketing assessment in major depressive disorder, multiple doses of PAXIL were administered to 6,145 patients in phase 2 and 3 studies. The conditions and duration deposure to PAXIL varied preatly and included (in overlapping categories) open and double-third studies, uncontrolled and controlled studies, inpatient and outpatient studies, and fixed-dose, and litration studies. During premarketing clinical trials in OCD, partic disorder, social analytic disorder, and posttraumatic stress disorder, 542, 469, 522, 735, and 676 patients, respectively, received multiple doses of PAXIL. Untoward events associated with this exposure were recorded by clinical programments. ical investigators using terminology of their own choosing. Consequently, it is not possible to provide a meaningful estimate of the proportion of individuals experiencing adverse events without first grouping similar types of untoward events into a smaller number of standardized event categories.

per of standardized event categories. In the tabulations that follow, reported adverse events were classified using a standard COSTART-based Dictionary terminology. The frequencies presented, therefore, represent the proportion of the 9,089 patients exposed to multiple doses of PAXIL who experienced an event of the type cited on at least 1 occasion while receiving PAXIL. All reported events are included except those afready listed in Tables 1 to 3, those reported in terms so general as to be uninformative and those events where a drug cause was remote. It is important to emphasize that although the events reported occurred during treatment with paroxetine, they were not necessarily caused by it

not necessarily caused by its body system and listed in order of decreasing trequency according to the following definitions: Events are further categorized by body system and listed in order of decreasing trequency according to the following definitions: Frequent adverse events are those occurring on 1 or more occasions in at least 1/100 patients (only those not already listed in the fabulated results from placebo controlled finals appear in this listing); infrequent adverse events are those occurring in 1/100 to 1/1,000 patients; rare events are those occurring in fewer than 1/1,000 patients. Events of major clinical importance are also described in the PRECAUTIONS section.

Body as a Whole: htrequent: Alergic reaction, chills, face edema, malaise, neck pain; rare: Adrenergic syndrome, cellulitis, nonliasis, neck rigidity, pelvic pain, peritonitis, sepsis, ulcer:

Cardiovascular System: Frequent: Hypertension, fachycardia; infrequent: Bradycardia, hematoma, hypotension, migraine, syn-

Cardiovascular System: Frequent: Hypertension, tachycardia, infrequent: Bradycardia, hematoma, hypotension, migraine, synope, rare: Angina pectoris, arrhythmia nodal, afinal librillation, bundle branch block, cerebral ischemia, cerebrovascular accident,
congestive heart failure, heart block, low cardiac output, myccardial infarct, myccardial ischemia, pallor, phlebitis, pulmonary
embolus, supraventricular extrasystoles, thrombopsik-beits, fixrombosis, varicose vein, vascular headache, ventificular extrasystoles.

Digestive System: Infrequent: Bruxism, colitis, dysphagia, eructation, gastritis, gastroententis, gingivitis, glossitis, increased
salivation, liver function lesis abnormal, rectal hemorrhage, ulcerative stomatilis, zare: Aphithous stomatilis, bloody darinea, bulimia, cardiopasam, cholelitimias; duodentities, enteritis, escaphagitis, tecal impactions, lecal incontinence, gum hemorrhage,
hematemesis, hepatitis, ileits, ileus, intestinal obstruction, jaundice, melena, mouth ulceration, peptic ulcer, salivary gland enlargement, sialadentitis, stomach ulcer, stomatitis, tongue discordation, tongue edema, tooth caries.

Endocrine System: Rare: Diabeles melitius, goiler, hyperthyroidism, hypothyroidism, thyroidis.

Henric and Lymphitis: Sustems: inferenced Aperisis betwoenis hypothyroidism, thyroidis.

Enacerine System: Hare: Diabeles melitus, goiter, hyperthyroidism, hypothyroidism, hypothyroid

gen (NPN) increased.
Musculoskeletal System: Frequent: Arthralgia; infrequent: Arthritis, arthrosis; rare: Bursitis, myositis, osteoporosis, generalized spasm, tenosynovitis, tetany.
Nervous System: Frequent: Emotional lability, vertigo; infrequent: Abnormal thinking, alcohol abuse, ataxia, dystonia, dyskinesia, euphoria, hallucinations, hostility, hypertonia, hypesthesia, hypokinesia, incoordination, lack of emotion, bibdo inoreased,
manic reaction, neurosis, paralysis, parancid reaction, rare: Abnormal gait, akinesia, antisocial reaction, aphasia, choreoathetosis,
oricumoral paresthesias, convolusion, delium, delusions, diplopia, drug dependence, dysarthria, extragradial syndrome, tasciculations, grand mal convulsion, thermin, delusions, diplopia, drug dependence, dysarthria, extragradial syndrome, tasciculations, grand mal convulsion, thermin, delusions, diplopia, drug dependence, dysarthria, extragradial syndrome, tasciculations, grand mal convulsion, thermin delusions, delusions, reflexes decreased, reflexes increased, stupor, torticollis, trismus,
withdrawal syndrome.

Respiratory System: Infrequent: Ashma, bronchitis, dyspnea, epistaxis, hyperventilation, pneumonia, respiratory flu; rare: Emphysema, hemophysis, hiccups, lung fitrosis, pulmonary edema, sputum increased, stridor, voice alteration. Skin and Appendages: Frequent Prunits, infrequent Acne, alopeda, contact dermatitis, dry skin, exchymosis, eczema, herpes simplex, photosensitivity, urticaria: rare: Angioedema, erythema nodosum, erythema multiforme, extoliative dermatitis, fungal der-matitis, furunculosis; herpes zoster, hirsutism, maculopapular rash, seborrhea, skin discoloration, skin hypertrophy; skin ulcer, sweat-ing deveased, vesiculotatious rash.

Special Senses: Frequent: Tinnitus; infrequent: Abnormality of accommodation, conjunctivits, ear pain, eye pain, keratocon-junctivits, mydriasis, othis media; rare: Ambhyopia, anisocoria, blepharitis, cataract, conjunctivial edema, corneal ulcer, deafness, exopthishmos, eye hemorrhage, glaucoma, hyperacusis, night blindness, othis externa, parosmia, photophobia, ptosis, retinal hemorrhage, taste loss, visual field defect.

Urogenital System: Infrequent: Amenorrhea, breast pain, cystitis, dysuria, hematuria, menorrhagia, nocturia, polyuria, pyuria

Urogenital System: Infrequent: Ameromea, breast pain, cystitis, dysuria, hematuria, menorrhagia, nocturia, polyuria, pyuria, urinary incontinence, urinary referion, urinary urgency, vaginitis, rare: Aborlion, breast atrophy, breast enlargement, endometrial disorder, epicidymitis, lenale lactation, tbrocystic breast, kidney calculus, kidney pain, leukorrhea, massitis, metrorrhagia, nephritis, oliguria, salpringtis, urehritis, urinary casts, uterine spasm, urofith, vaginal hemorrhage, vag nal monitiasis. Postmarketing Reports: Voluntary reports of adverse events in patients taking PAXLI that have been received since market introduction and not listed above that may have no causal relationship with the drug include acute pancrealitis, elevaled liver function eats (the most severe cases were deaths due to liver necrosis, and grossly elevated transaminases accided with severe liver dystunction), Guillain-Barré syndrome, toxic epidermal necrolysis, priapism, syndrome-like eventis, extapyramidal symplonis which have included akathisia, bradykinesia, cogwheel rigidity, dystonia, hypertonia, oculogytic crisis which has been associated with concomitant use of pimozide, tremor and frismus, servotonin syndrome, associated in some cases with concomitant use of servicence and trismus, servotonin syndrome, associated in some cases with concomitant use of servicence and trismus, servotonin syndrome, associated in some cases with concomitant use of servicence and trismus, servotonin syndrome, associated in some cases with concomitant use of servicence and trismus, servotonin syndrome, associated in some cases with concomitant use of servicence and trismus, servotonin syndrome, associated in some cases with concomitant use of servicence and trismus, servotonin syndrome, associated in some cases with concomitant use of servicence and trismus, servicence and trismus

DRUG ABUSE AND DEPENDENCE Controlled Substance Class: PAXIL is not a controlled substance

Controlled Substance Crass: PAXIL is not a controlled substance.

Physical and Psychologic Dependence: PAXIL has not been systematically studied in animals or humans for its potential for abuse, tolerance or physical dependence: PAXIL has not been systematically studied in animals or humans for its potential for abuse, tolerance or physical dependence: While the clinical trials did not reveal any tendency for any drug-seeking behavior, these 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, patients should be evaluated carefully for history of drug abuse, and such patients should be observed closely for signs of misuse or abuse of PAXIL (e.g., development of tolerance, incrementations of dose, drug-seeking behavior).

OVERDOSAGE

OVERDOSAGE
Human Experience: Since the introduction of PAXIL in the United States, 342 spontaneous cases of deliberate or accidental overdosage during paroxetine treatment have been reported worldwide (circa 1999). These include overdoses with paroxetine alone
and in combination with other substances. Of these, 48 cases were tatal and of the fatalities, 17 appeared to involve paroxetine
alone. Eight fatal cases that documented the amount of paroxetine ingested were generally confounded by the ingestion of other
drugs or alcohol or the presence of significant comorbid conditions. Of 145 non-fatal cases with known outcome, most recovered orugs or alcohol or the presence or a significant control of control of the presence of the pr

in a patient who recovered.

Commonly reported adverse events associated with paroxetine overdosage include somnolence, coma, nausea, fremor, tachycardia, confusion, oversing, and dizzness. Other notable signs and symptoms observed with overdoses involving paroxetine (alone or with other substances) include mydriasis, convulsions (including status epilepticus), ventricular dystrythmias (including forsade depointed), hypertension, aggressive reactions, syncope, hypotension, stuper, tradycardia, dystorian, habdomorphysis, symptoms of hepatic dystunction (including hepatic taiture, hepatic necrosis, joundice, hepatitis, and hepatic steatosis), serotonin syndrome, manic reactions, mycoclous, southe renal failure, and urinary retention.

Overdosage Management: Treatment should consist of those general measures employed in the management of overdosage with any drugs effective in the treatment of major depressive disorder.

Enurse addesives interest excessible, and wellow and vital since General supportive and symptomic and extensions and adversage interesting and symptomic and symptomic and extensions.

with any drugs effective in the treatment of major depressive disorder.

Ensure an adequate airway, oxygenation, and ventilation. Monitor cardiac rhythm and vital signs. General supportive and symptomatic measures are also recommended, induction of emesis is not recommended. Gastric lavage with a large-bore orogastric tube with appropriate airway protection, if needed, may be indicated if performed soon after ingestion, or in symptomatic patients. Activated charcoal should be administered Due to the large volume of distribution of this drug, forced diuresis, dialysis, hemoperfusion, and exchange transfusion are unlikely to be of benefit. No specific antidotes for paraxetine are known.

A specific caution involves patients who are taking or have recently taken paroxetine who might ingest excessive quantities of a tricycle antidepressant. In such a case, accumulation of the parent tricycle antidepressant. In such a case, accumulation of the parent tricycle and/or an active metabolite may increase the possibility of clinically significant sequetae and extend the time needed for close medical observation (see PRECAUTIONS—Drugs Metabolized by Cytochrome P_{1,0}/ID₀).

In managing overdosage, consider the possibility of multiple drug involvement. The physician should consider contacting a po-son control center for additional information on the treatment of any overdose. Telephone numbers for certified poison control cen-ters are listed in the *Physicians' Desk Reterence* (PDR).

DOSAGE AND ADMINISTRATION

DOSAGE AND ADMINISTRATION
Major Depressive Disorder. Usual Initial Dosage: PAXIL should be administered as a single daily dose with or without food,
usually in the morning. The recommended initial dose is 20 mg/day. Patients were dosed in a range of 20 to 50 mg/day in the clinical trails demonstrating the effectiveness of PAXIL in the treatment of major depressive disorder. As with all drugs effective in the
treatment of major depressive disorder, the full effect may be delayed. Some patients not responding to a 20-mg dose may beneit from dose increases, in 10-mg/day increments, up to a maximum of 50 mg/day. Dose changes should occur at intervals of at

Maintenance Therapy: There is no body of evidence available to answer the question of how long the patient treated with PAXIL should remain on it. It is generally agreed that acute epsodes of major depressive disorder require several months or longer of sustained pharmacologic therapy. Whether the dose needed to induce remission is identical to the dose needed to maintain and/or sustain eutrymai is unknown.

Systematic evaluation of the efficacy of PAXIL has shown that efficacy is maintained for periods of up to 1 year with doses that averaged about 30 mg.

averaged about 30 mg.

Obsessive Computsive Disorder: Usual Initial Dosage: PAXIL should be administered as a single daily dose with or without food, usually in the morning. The recommended dose of PAXIL, in the treatment of OCD is 40 mg daily. Patients should be started on 20 mg/day and the dose can be increased in 10-mg/day increments. Dose changes should occur at intervals of at least 1 week. Patients were dosed in a range of 20 to 60 mg/day in the chical trials demonstrating the effectiveness of PAXIL in the treatment of OCD. The maximum dosage should not exceed 60 mg/day.

Maintenance Therapy: Long-term maintenance of efficacy was demonstrated in a 6-month relapse prevention trial. In this trial, patients with OCD assigned to paroxetine demonstrated a lower relapse rate compared to patients on placebo (see CLINICAL PHARIAMCOLOGY—Clinical Trials). OCD is a chronic condition, and it is reasonable to consider continuation for a responding patient. Dosage adjustments should be made to maintain the patient on the lowest effective dosage, and patients should be periodically reassessed to determine the need for continued freatment.

odically reassessed to determine the need for continued treatment.

Panic Disorder: Usual Initial Desage: PAXII, should be administered as a single daily dose with or without food, usually in the morning. The target dose of PAXII, in the treatment of panic disorder is 40 mg/day, Patients should be started on 10 mg/day, Dose changes should occur in 10-mg/day increments and at intervals of at least 1 week. Patients were dosed in a range of 10 to 60 mg/day in the circical trials demonstrating the effectiveness of PAXIII. The maximum dosage should not exceed 60 mg/day.

Maintenance Therapy: Long-term maintenance of efficacy was demonstrated in a 3-month relapse prevention trial. In this trial, patients with panic disorder assigned to parcetine demonstrated a lower relapse rate compared to patients on placebo (see CLINICAL PHARMACOLOGY—Clinical Trials). Panic disorder is a chronic condition, and it is reasonable to consider continuation for a responding patient. Dosage adjustments should be made to maintain the patient on the lowest effective dosage, and patients should be periodically reassessed to determine the need for continued freatment.

should be periodically reassessed to determine the need for continued treatment.

Social Anxiety Disorder: Usual Initial Dosage: PAXIL should be administered as a single daily dose with or without food, usually in the morning. The recommended and initial dosage is 20 mg/day in clinical trials the effectiveness of PAXIL was demonstrated in patients dosed in a range of 20 to 60 mg/day. While the safety of PAXIL has been evaluated in patients with social anxiety disorder at doses up to 60 mg/day, valiable information does not suggest any additional benefit for doses above 20 mg/day (see CLINICAL PHARMACOLOGY—Clinical Trials).

Maintenance Therapy: There is no body of evidence available to answer the question of how long the patient freated with PAXIL should remain on it. Although the efficacy of PAXIL beyond 12 weeks of dosing has not been demonstrated in controlled clinical trials, social anxiety disorder is recognized as a chronic condition, and it is reasonable to consider continuation of treatment for a responding patient. Dosage adjustments should be made to maintain the patient on the lowest effective dosage, and patients should be periodically reassessed to determine the need for continued treatment.

Security on personal reassesses to ordermine the need for commune treatment.

Generalized Anxiety Disorder: Usual Initial Dosage: PAXIL should be administered as a single daily dose with or without lood, usually in the morning. In clinical trials the effectiveness of PAXIL was demonstrated in patients dosed in a range of 20 to 50 mg/day. The recommended starting dosage and the established effective dosage is 20 mg/day. There is not sufficient evidence to suggest a greater benefit to doses higher than 20 mg/day. Dose changes should occur in 10 mg/day increments and at intervals of at least 1 week.

Maintenance Therapy: Systematic evaluation of continuing PAXIL for periods of up to 24 weeks in patients with Generalized Aoxiety Disorder who had responded while taking PAXIL during an 8-week acute treatment phase has demonstrated a benefit of such maintenance (see CLINICAL PHARMACOLOGY—Clinical Trials). Nevertheless, patients should be periodically reassessed to determine the need for maintenance treatment.

mine the need for maintenance treatment.

Posttraumatic Stress Disorder: Usual Initial Dosage: PAXIL should be administered as a single daily dose with or without food, usually in the morning. The recommended starting dosage and the established effective dosage is 20 mg/day. In 1 clinical Yial, the effectiveness of PAXIL was demonstrated in patients dosed in a range of 20 to 50 mg/day. However, in a fixed dose study, there was not sufficient evidence to suggest a greater benefit for a dose of 40 mg/day compared to 20 mg/day. Dose changes, if indicated, should occur in 10 mg/day increments and at intervals of at least 1 week.

Maintenance Therapy: There is no body of evidence available to answer the question of how long the patient treated with PAXIL should remain on it. Although the efficacy of PAXIL beyond 12 weeks of dosing has not been demonstrated in controlled clinical rinals, PTSD is recognized as a chronic condition, and it is reasonable to consider continuation of treatment for a responding patient. Dosage adjustments should be made to maintain the patient on the fowest effective dosage, and patients should be periodically reassessed to determine the need for continued treatment.

Special Populations: Treatment of Pregnant Women During the Third Trimester: Neonates exposed to PAXIL and other SSRIs or SNRIs, late in the third trimester have developed complications requiring protonged hospitalization, respiratory support, and tube feeding (see PRECAUTIONS). When treating pregnant women with parovetine during the third trimester, the physician should carefully consider the potential risks and benefits of treatment. The physician may consider tapering paroxetine in the third

Dosage for Elderly or Debilitated Patients, and Patients With Severe Renal or Hepatic Impairment: The recommended initial dose is 10 mg/day for elderly patients, debilitated patients, and/or patients with severe renal or hepatic impairment. Increases may be made it indicated. Dosage should not exceed 40 mg/day.

Switching Patients to or From a Monoamine Oxidase Inhibitor: At least 14 days should elapse between discontinuation of an MAOI and initiation of therapy with PAXIL. Similarly, at least 14 days should be allowed after stopping PAXIL. before starting an MAOI and initiation of the page 18 mg and 18 mg an

MAOI.

Discontinuation of Treatment With PAXIL: Symptoms associated with discontinuation of PAXIL have been reported (see PRECAUTIONS). Patients should be monitored for these symptoms when discontinuing treatment, regardless of the indication for which PAXIL is being prescribed. A gradual reduction in the dose orather than abrupt cessation is recommended whenever possible. It intolerable symptoms occur following a decrease in the dose 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

NOTE: SHAKE SUSPENSION WELL BEFORE USING

HOW SUPPLIED Tablets: Film-coated, modified-oval as follows

10-mg yellow, scored tablets engraved on the front with PAXIL and on the back with 10.

NDC 0029-3210-13 Bottles of 30

20-mg pink, scored tablets engraved on the front with PAXIL and on the back with 20. NDC 0029-3211-13 Bottles of 30

NDC 0029-3211-20 Bottles of 100

NDC 0029-3211-21 SUP 100s (intended for institutional use only)

30-mg blue tablets engraved on the front with PAXIL and on the back with 30. NDC 0029-3212-13 Bottles of 30

40-mg green tablets engraved on the front with PAXIL and on the back with 40. NDC 0029-3213-13 Bottles of 30

Store tablets between 15° and 30°C (59° and 86°F)

Oral Suspension: Orange-colored, orange-flavored, 10 mg/5 mL, in 250 mL white bottles.

NDC 0029-3215-48

Store suspension at or below 25°C (77°F).

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PX: L31

PAXIL CR® (paroxetine hydrochloride) Controlled-Release Tablets

DESCRIPTION

PAXIL CR (paracetine hydrochloride) is an orally administered psychotropic drug with a chemical structure unrelated to other evaluable articlepressant or antiquance agents. It is the hydrochloride sait of a phenylapportidine compound identified chemically as (-)-trans-4f-(4-horophenyl-3S-(6',4-methylene-doxyphenoxy) methyl piperiotine hydrochloride hernity-date and has the engined formula of Cy₂H₂PNO₂+fCH-1/2H₂O. The molecular weight is 374.8 (329.4 as free base). The structural formula of paracetine hydrochloride is:

Paroxetine hydrochloride is an odorless, off-white powder, having a metting point range of 120° to 138°C and a solubility of 5.4 mg/mL in water.

Each enteric, film-coated, controlled-release tablet contains paraxetine hydrochloride equivalent to paraxetine as follows: 12.5 mg-yellov, 25 mg-pink, 37.5 mg-blue. One layer of the tablet consists of a degradable barrier layer and the other contains the active material in a hydrophilic matrix.

Inactive ingredients consist of hypromelose, polyvinytoyrorlidone, tactose monahydrate, magnesium stearate, colloidal silicon dioxide, glyceryl behenate, methacrylic acid copolymer type C, sodium lauryl suffate, polysorbate 80, talc, triethyl citrate, and 1 or more of the following colorants: Yellow femic oxide, red femic oxide, D&C Red No. 30, D&C Yellow No. 6, D&C Yellow No. 10, FD&C Blue No. 2.

CLINICAL PHARMACOLOGY

CLINICAL PHARIMACOLOGY

Pharmacodynamics: The efficacy of paroxetine in the treatment of major depressive disorder, panic disorder, social anxiety disorder, and premenstrual dysphoric disorder (PMDD) is presumed to be linked to potentiation of serotonergic activity in the central nervous system resulting from inhibition of neuronal recipitate of serotonin (54-hydroxy-tryptamine, 5-HT). Studies at clinically relevant doses in humans have demonstrated that paroxetine blocks the uptake of serotonin into human platelets. In vitro studies in animals also suggest that paroxetine is a potent and highly selective inhibitor of neuronal serotonin recupitate and has only very weak effects on oncephisphrine and dopamine neuronal recupitate, in vitro redoligand brinding studies indicate that paroxetine has little affinity for muscarinic, abha-; alpha-, belta-adrenergic-, dopamine (D₂)-, 5-HT_r. 5-HT_g-, and histamine (H₁)-receptors; antagonism of muscarinic, histaminergic, and alpha-adrenergic receptors has been associated with various anticholinergic, sedative, and cardiovascular effects for other psychotropic drugs.

Because the relative potencies of paroxetine's major metabolites are at most 1/50 of the parent compound, they are essentially inactive.

sedative, and cardiovascular effects for other psychotropic drugs.

Because the relative potencies of paraxetine's major metabolites are at most 1/50 of the parent compound, they are essentially nactive.

Pharmacokinetics: Tablets of PAXIL CR contain a degradable polymeric matrix (GEOMATRIX***) designed to control the dissolution rate of paraxetine over a period of approximately 4 to 5 hours. In addition to controlling the rate of drug release in vivo, an enteric coat delays the start of drug release until tablets of PAXIL CR have left the stomach.

Paraxetine hydrochioride is completely absorbed after oral dosing of a solution of the hydrochloride sait. In a study in which normal male and female subjects (n = 23) received single oral doses of PAXIL CR at 4 dosage strengths (12.5 mg, 25 mg, 37.5 mg, and 50 mg), paraxetine come and AUCopy increased disproportionately with dose (as seen also with immediate-release formulations). Mean Copy and AUCopy values at these doses were 2.0, 5.5, 9.0, and 12.5 ng/m at 12.1, 261, 338, and 540 ng/hr/ml., respectively, T_{em} values at these doses were 2.0, 5.5, 9.0, and 12.5 ng/m at 15.0 cg/m and 12.1, 261, 338, and 540 ng/hr/ml., respectively, T_{em} values at these doses were 2.0, 5.5, 9.0, and 12.5 ng/hr, and 15.0 of hours throughout this range of single doses of PAXIL CR. The biovariability of 25 mg PAXIL CR is not allected by lood.

During repeated administration of PAXIL CR (25 mg once daily), steady state was reached within 2 weeks (i.e., comparable to immediate-release formulations). In a repeat-dose study in which normal male and female subjects (n = 23) received PAXIL CR (25 mg daily), mean steady state Cup. (.e., and AUCopy, values were 30 ng/ml., 20 ng/ml., and 550 ng/hr/ml., respectively. Based on studies using immediate-release formulations, steady-state drug exposure based on AUCopy, was several-bod greater than would have been predicted from single-dose data. The excess accumulation is a consequence of the fact that 1 of the enzymes than metabolizes parametric i

Ingluration of treatment. The role of inits enzyme in paroxetine metabolism also suggests potential drug-drug interactions (see PRECAUTIONS).

Approximately 64% of a 30-mg and solution dose of paroxetine was excreted in the urine with 2% as the parent compound and 62% as metabolities over a 10-day post-dosing period. About 36% was excreted in the fices (probably via the bile), mostly as metabolities and less than 1% as the parent compound over the 10-day post-dosing period.

Distribution: Paroxetine distributes throughout he body, including the CNS, with only 1% remaining in the plasma. Protein Binding: Approximately 95% and 93% of paroxetine is bound to plasma protein at 100 ng/mL, respectively. Under clinical conditions, paroxetine concentrations would normally be less than 400 ng/mL. Paroxetine does not after the interior polyment of paroxetine concentrations would normally be less than 400 ng/mL. Paroxetine does not after the interior plasma concentrations in patients with creating clearance below 30 mL/min, was approximately 4 times greater than seen in normal volunteers. Patients with creating clearance of 30 to 60 mL/min, and patients with hepatic functional impairment had about a 2-lott increase in plasma concentrations (ALC, C_{max}).

The initial dosage should therefore be reduced in patients with severe renal or hepatic impairment, and upward titration, if necessary, should be at increased intervals (see DOSAGE AND ADMINISTRATION).

Eliderly Patients: a multiple-dose study in the elderly at daily dose of 20, 30, and 40 mg of the immediate-release formulation. C_{mc} concentrations were about 70% to 80% greater than the respective C_{mc} concentrations in nonelderly subjects. Therefore the initial dosage in the elderly should be reduced (see DOSAGE AND ADMINISTRATION).

Clinical Trials

Major Depressive Disorder: The efficacy of PAXIL CR controlled-release tablets as a treatment for major depressive disorder has been established in two 12-week, flexible-dose, placebo-controlled studies of patients with DSM-IV Major Depressive Disorder. One study include deplet patients, ranging in age from 60 to 88, in both studies, PAXIL CR was shown to be significantly more effective than placebo in treating major depressive disorder as measured by the following: Hamilton Depression Rating Scale (HDRS), the Hamilton depressed mood term, and the Clinical Global Impression (CGI)-Severity of illness score.

A study of outpatients with major depressive disorder who had responded to immediate-release paraxetine tablets (HDRS total score <8) during an initial 8-week open-treatment phase and were then randomized to continuation on immediate-release paraxetine tablets (HDRS total score <8) during an initial 8-week open-treatment phase and were then randomized to continuation on immediate-release paraxetine tablets (15%) compared to those on placebo (39%). Effectiveness was similar for major and female patients. Pantic Disorder: The effectiveness of PAXIL CR in the treatment of pantic disorder was evaluated in three 10-week, multicenter, lexible-dose studies (Studies 1, 2, and 3) comparing paraxetine controlled-release (12.5 to 75 mg daily) to placebo in adult outpatients who had panic disorder (DSM-IV), with or without approachios. These trials were assessed on the basis of their outcomes on 3 variables: (11) hip proportions of patients free of lull panic attents at endpoint in the median number of full panic attacks; and (3) change from baseline to endpoint in the median number of full panic attacks; and (3) change from baseline to endpoint in the median number of full panic attacks; and (3) change from baseline to endpoint in the median number of full panic attacks; and (3) change from baseline to endpoint in the median number of full panic attacks; and (3) change from baseline to endpoint in the

double-bind relapse prevention phase. Patients randomized to paroxetine were significantly less likely to relapse if an comparably treated patients who were randomized to placebo.

Social Anxiety Disorder: The efficacy of PAXIL CR as a treatment for social anxiety disorder has been established, in part, on the basis of extraoplation from the established effectiveness of the immediate-release formulation of paroxetine, in addition, the effectiveness of PAXIL CR in the treatment of social anxiety disorder was demonstrated in a 12-work multicenter, double-bland, flexible-dose, placebo-controlled study of adult outpatients with a primary diagnosis of social anxiety disorder (DSM-IV). In the study, the effectiveness of PAXIL CR [125 to 37 5 mg daily) compared to placebo was evaluated on the basis of (1) change from baseline in the Liebowitz Social Anxiety Scale (LSAS) total score and (2) the proportion of responders who scored 1 or 2 (very much improved or much improved) on the Cfinical Global Impression (CSI) Global Improvement score.

PAXIL CR demonstrated statistically significant superiority over placebo on both the LSAS total score and the CGI Improvement responder criterion. For patients who completed the trial, 64% of patients treated with PAXIL CR compared to 34.7% of patients

treated with placebo were CGI Improvement responders.

Subgroup analyses did not indicate that there were any differences in treatment outcomes as a function of gender. Subgroup analyses of studies utilizing the immediate-release formulation of paroxetine generally did not indicate differences in treatment out-

analyses of studies utilizing the immediate-release formulation of parasetine generally did not indicate differences in treatment outcomes as a function of age, race, or gender.

Premenstrual Dysphoric Disorder: The effectiveness of PAXIIL CR for the treatment of PMDD utilizing a continuous dosing reginsen has been established in 2 placebo-controlled trials. Patients in these trials met DSM-IV criteria for PMDD. In a pool of 1,030
patients, treated with day doses of PAXIIL CR 12.5 or 25 mg/day, or placebo the mean duration of the PMDD symptom was approxmately 11±7 years. Patients on systemic hormonal contraceptives were excluded from these trials. Therefore, the efficacy of PAXII.

CR in combination with systemic (including oral) hormonal contraceptives were excluded from these trials. Therefore, the efficacy of PAXII.

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CR in patiency and case or a protein of 3 menstrual cycles. The VAS-Total score.

In a third study employing intermittent dosing, patients (N = 366) were treated for the 2 weeks prior to the onset of menses (tuted phase vAS-Total score.

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In 25 mg/day and 25 mg/day of PAXII. CR as total score.

There is institution informatio

INDICATIONS AND USAGE
Major Depressive Disorder: PAXIL CR is indicated for the treatment of major depressive disorder.
The efficacy of PAXIL CR is the treatment of a major depressive episode was established in two 12-week controlled trials of outpatients whose diagnoses corresponded to the DSM-IV category of major depressive disorder (see CLINICAL PHARMACOLOGY-Clinical Trials).

The efficacy of PAXIL CR in the treatment of a major depressive episode was established in two 12-week controlled viels of outpetiest whose diagnoses corresponded to the DSM-IV category of major depressive disorder (see CLINICAL PHARMACOLO-GY-Clinical Triats).

A major depressive episode (DSM-IV) implies a prominent and relatively persistent (nearly every day for at least 2 weeks) depressed mood or loss of interest or pleasure in nearly all activities, representing a change from provious functioning, and includes the presence of at least 5 of the following 8 symptoms during the same 2-week period: Depressed mood, markedy timhished Interest or pleasure in usual activities, significant change in weight and/or appetite, insormation or hypersormais, psychiomotor agitation or relandation, increased tingue, feelings of guild or worthlessness, slowed thinking or impained concentration, a suicide attempt, or suicidal deation.

The articlepressant action of parametrie in hospitalized depressed patients has not been adequately studied.

PAXIL CR has not been systematically evaluated beyond 12 weeks in controlled clinical trials; however, the effectiveness of immediate-release parametrie hydrochoride in maintaining a response in major depressive disorder for up to 1 year has been demonstrated in a placebo-controlled trial (see CLINICAL PHARMACOLOGY-Clinical Trials). The physician who elects to use PAXIL CR for extended periods should periodically re-valuate the long-term usefulness of the drug for the individual patient.

Parkic Disorder: PAXIL CR is indicated for the treatment of paric disorder, with or without appreciation, as defined in DSM-IV.

Paric disorder is characterized by the occurrence of unexpected paric attacks and associated occern about having additional attacks, wory about the implications or consequences of the strates, and associated occurrence of interess fear or discomment of the partic disorder is characterized by the occurrence of unexpected paric attacks, i.e., a disorder patients whose dugnoses co

detress about having the phobias. Lesser degrees of performance anxiety or shyness generally do not require psychopharmacological treatment.

The efficacy of PAXIL CR as a treatment for social anxiety disorder has been established in pert, on the basis of extrapolation from the established effectiveness of the immediate-release formulation of parametine, in addition, the efficacy of PAXIL CR was established in a 12-week trial, in addition definitions with social anxiety disorder (DSM-IV) PAXIL CR has not been studied in children or adolescents with social phobia (see CLINICAL PHARMACOLOGY—Crinical Trials).

The effectiveness of PAXIL CR in one-premi restiment of a social anxiety disorder, i.e., for more than 12 weeks, has not been systematically evaluated in adequate and well-controlled trials. Therefore, the physician who effects to prescribe PAXIL CR for extended periods should periodically re-evaluate the key-term usefulness of the drug for the individual patient (see OOSAGE AND ADMINISTRATION).

Premenstrual Dysephoric Disorder: PAXIL CR is indicated for the treatment of PMDD.

The efficacy of PAXIL CR in the treatment of PMDD has been established in 3 placebo-controlled trials (see CLINICAL PHARMACOLOGY-Clinical Trials).

The essential features of PMDD, according to DSM-IV, include markedly depressed mood, anxiety or tension, affective lability, and persistent anger or intablisty. Other features include decreased interest in usual activities, difficulty concentrating, box of energy, change in appetite or sleep, and feeling out of control. Physical symptoms associated with PMDD include breast tredimens, headache, joint and muscle pain, bioating, and weight gain. These symptoms occur regularly during the brief planes and remin within a few days following the onset of menses; the disturbance markedly interferes with work or school or with usual social activities and relationships with others. In making the diagnosis, care should be taken to rule out other cyclical moot offers that may be exacerbated by treatm

CONTRAINDICATIONS

Concomitant use in patients taking either monoamine oxidase inhibitors (MAOIs) or thioridazine is contraindicated (see WARN-INGS and PRECAUTIONS).

PAXIL CR is contraindicated in patients with a hypersensitivity to paraxetine or to any of the inactive ingredients in PAXIL CR.

PAXIL CR is contrahicated in patients with a hypersensitivity to paraxetine or to any of the inactive ingredients in PAXIL CR.

WARNINGS

Potential for interaction With Monoamine Oxidase Inhibitors: In patients receiving another serotonin reuptake inhibitor drug in combination with an MAOI, there have been reports of serious, sometimes total, reactions including hyperthermia, rigidity, myoctorus, autonomic instability with possible rapid fluctuations of vital signs, and mental status changes that include extreme agitation progressing to delirium and coma. Those reactions have also been propried in patients who have recently discontinued that drug and have been started on an MAOI. Some cases presented with features resembling neuroleptic malignant syndrome. While there are no human data showing such an interaction with paraxetine hydrochloride, limited animal data on the effects of combined use of paraxetine and MAOIs suggest that these drugs may set synergistically to elevate blood pressure and evoke behavioral excitation. Therefore, it is recommended that PAXIL CR not be used in combination with an MAOI, or within 14 days of discontinuing treatment with an MAOI. At least 2 weeks should be allowed after stopping PAXIL CR before starting an MAOI.

Potential interaction with Thioridazine: Thioridazine administration alone produces prolongation of the QTc interval, which is associated with serious ventricular arrhythmias, such as torsade do pointes—type arrhythmias, and sudden death. This effect appears to be dose related.

An in vivo study suggests that drugs which inhibit PayIDs, such as paroxetine, will elevate plasma levels of thioridazine. Therefore, it is recommended that paroxetine not be used in combination with thioridazine (see CONTRAIND-CATIONS and PRECAUTIONS).

Clinical Warsering and Suicide Risk: Patients with major depressive disorder, both eath and pediatric, may experience worsening of their depression and/or the emergence of suicidal ideation and behavior (suicidality), whether or not they are ta

symptoms.

Families and caregivers of patients being treated with antidepressants for major depressive disorder or other indications, both psychiatric and nonpsychiatric, should be elerted about the need to monitor patients for the emergence of
agitation, irritability, and the other symptoms described above, as well as the emergence of suicidality, and to report
such symptoms immediately to health care providers. Prescriptions for PAXIL, CR should be written for the smallest quantity
of labelts consistent with good patient management, in order to reduce the risk of overdose.

If the decision has been made to discontinue treatment, medication should be tapered, as rapidly as is leastible, but with recog-

nition that abrupt discontinuation can be associated with certain symptoms (see PRECAUTIONS and DOSAGE AND ADMINIS-TRATION—Discontinuation of Treatment With PAXIL CR, for a description of the risks of discontinuation of PAXIL CR). It should be noted that PAXIL CR is not approved for use in treating any indications in the podiatric population. A major depressive episcode may be the initial presentation of bioplar disorder. It is generally believed (floough not established in controlled trials) that treating such an episcode with an antidepressant alone may increase the tikehood of precipitation of a mixed/manic episcode in patients at risk to bioplar disorder. Whether any of the symptoms described above represent such a con-version is unknown. However, prior to initiating treatment with an antidepressant, patients should be adequately screened to determine if they are at risk for bioplar disorder; such screening should include a detailed psychiatric flori, including a family history of suicide, bipolar disorder, and depression. It should be noted that PAXIL CR is not approved for use in treating bipolar decreasesion.

odelerme a they are at resk for uppear adverter; such screening snow network a retained psychiature misory, noturing a taminy instory of suicide, bipolar disorder, and depression. It should be noted that PAXIL CR is not approved for use in treating block depression.

PRECAUTIONS

General: Activation of ManilaMypomania: During premarkering testing of immediate-release percettine hydrochloride, hypomania or mania or mania occurred in approximately 1.0% of paroxetine-treated umpolar patients compared to 1.1% of active-control and 0.3% of placebo-treated unipolar patients. In a subset of patients classified as bipolar, the rate of manic episodes was 2.2% for immediate-release paroxetine and 11.6% for the combined active-control groups. Annual 1,827 patients with major depressive disorder, panic disorder, social arvisiny disorder, or PMDD treated with PAXIL CR in controlled clinical studies, there were neports of mania or hypomania. As with all disorder effective in the treatment of major depressive disorder, PAXIL CR hould be used cautiously in patients with a history of immediate-release paroxetine hydrochloride, seizures occurred in 0.1% of paroxa-tine-ineated patients, a rate similar to that associated with other drugs effective in the treatment of major depressive disorder, Annual LR a

Increased plasma concentrations of paracetine occur in patients with severe renal impairment (creatinine clearance <0.30 mL/min.) or severe hepatic impairment. A lower starting dose should be used in such patients (see DOSAGE AND ADMIN-ISTRATION).

c30 mL/min.) or severe hepatic impairment. A lower starting dose should be used in such patients (see DOSAGE AND ADMINISTRATION). Information for Patients: Physicians are advised to discuss the following issues with patients for whom they prescribe PAXIL CR: Patients and their families should be encouraged to be alert to the emergence of anxiety, agitation, panic attacks, insomnia, intrability, hostility, impulsivity, akathisa, hypomania, manis, worsening of depression, and suicidal feation, especially early during anxidepressant treatment. Such symptoms should be reported to the patient's physician, especially in they are severe, abrupt in onset, or were not part of the patient's presenting symptoms. PAXIL CR should not be chewed or crushed, and should be swallowed whole. Drugs That Interfere With Hemostasis (NSAIDs, Aspirin, Warfarin, etc.): Patients should be cautioned about the concomitant use of paraveline and NSAIDs, aspirin, or other drugs that affect coagulation since the combined use of psychotropic drugs that interfere with serotonin reoptake and these agents has been associated with an increased risk of bleeding. Interference With Cognitive and Motor Performance: Arry psychoactive drug may impair judgment, thinking, or motor skills. Although in controlled studies immediate-release paraveline hydrochloride has not been shown to impair psychomotor performance, patients should be actioned about operating hazardous machinery, including automobiles, until they are reasonably certain that therapy with PAXIL CR does not affect their ability to engage in such activities.
Completing Course of Therapy: While patients may notice improvement with use of PAXIL CR in 1 to 4 weeks, they should be advised to continue therapy as directed.
Concomitant Medications: Patients should be advised to inform their physician if they are taking, or plan to take, any prescription or over-the-counter drugs, since there is a potential for interactions.
Alcohol: Although immediate-release paraveline hydrochl

herapy.

Nursing: Patients should be advised to notify their physician if they are breast-feeding an intant (see PRECAUTIONS—Nursing

Mothers).

Laboratory Tests: There are no specific laboratory tests recommended.

Drug Interactions: Tryptophan: As with other sentonin reciptable inhibitors, an interaction between paraxetine and tryptophan many occur when they are coadministered. Adverse experiences, consisting primarily of headache, nausea, sweating, and dizziness, have been reported when tryptophan was administered to patients taking immediate-release paraxetine. Consequently, concomitant use of PAXIL CR with tryptophan is not recommended.

Monoamine Orlidase Inhibitors: Sec CONTRAINDICATIONS and WARNINGS.

Thioridazine: Sec CONTRAINDICATIONS and WARNINGS.

Wartarin: Preliminary data suggest that there may be a pharmacodynamic interaction (that causes an increased bleeding diathesis in the face of unatered prothombin time) between paraxetine and wartarin. Since there is little clinical experience, the concomitant administration of PAXIL CR and wartarin should be undertaken with caution (see Drugs That Interfere With Herrostasis).

concomitant administration of PAXIL CR and wardarin should be undertaken with caution (see Drugs That Interfere With Hernostasis).

Sumabriptan: There have been are postmarketing reports describing patients with weakness, hyperellexia, and incoordination tolowing the use of an SSRI and sumatriptan. If concomitant leatment with sumatriptan and an SSRI (e.g., fluoretine, fluoretine, paravetine, pertratine) is clinically warranted, appropriate observation of the patient is advised.

Drugs Affecting Hepatic Metabolism: The metabolism and pharmacokinetics of paravetine may be affected by the induction inhibits many cytochrome P₁₋₉₀ (cuidative) enzymes. In a study where immediate-release paravetine in inhibits on eduly) was dosed orally for 4 weeks, steady-state plasma concentrations of paravetine were increased by approximately 50% during coadministration with oral cimetidine (300 mg three times daily) for the final week. Therefore, when these drugs are administered and phenobarbial steady state (100 mg once daily but of paravetine and administered and phenobarbial steady state (100 mg once daily but of paravetine and administered and phenobarbial steady state (100 mg once daily but of paravetine and administered and phenobarbial steady state (100 mg once daily but 14 days), paravetine was administered and phenobarbial askedy state (100 mg once daily but 14 days), paravetine was studied. Since paravetine exhibits nonlinear pharmacokinetics was not studied. Since paravetine exhibits nonlinear pharmacokinetics and plantacokinetics was not studied. Since paravetine was administered abone. The effect of paravetine on phenobarbial pharmacokinetics was not studied. Since paravetine exhibits nonlinear pharmacokinetics was not studied. Since paravetine exhibits nonlinear pharmacokinetics, the results of his study may not address the case where the 2 drugs are both being chronically dosed.

the 2 drugs are both being chronically dosed. No initial dosage adjustments are considered necessary when PAXII, CR is coadmin-istered with phenytoin; any subsequent adjustments should be guided by clinical effect (see ADVERSE REACTIONS—

the 2 drugs are both being chronically dosed. No initial dosage adjustments are considered necessary when PAXIL CR is coadministered with phenytoin; any subsequent adjustments should be guided by clinical effect (see ADVERSE REACTIONS—Postmarkein) Reports).

Drugs Metabolized by Cytochrome PostID₄: Many drugs, including most drugs effective in the treatment of major depressive disorder (persozine, other SSRIs, and many tricyclis), are metabolized by the cytochrome PostID₄. Life work of the state of the coadministration of the SSRIs, and many tricyclis), are metabolized by the cytochrome PostID₄. Department of the state of the st

be of cinical significance

Tricyclic Antidepressants (TCAs): Caution is indicated in the coadministration of TCAs with PAVIL CR, because paraxetine maintible TCA metabolism. Plasma TCA concentrations may need to be monitored, and the dose of TCA may need to be reduced, if it

Tricyclic Antidepressants (TCAs): Caution is indicated in the coadministration of TCAs with PAXIL CR, because parametine may inhibit TCA metabolism. Plasma TCA concentrations may need to be monitored, and the dose of TCA may need to be reduced, if a TCA is coadministrated with PAXIL CR (see PRECAUTIONS—Drugs Metabolized by Cytochrome P_{coul}TiO₂).

Drugs Highly Bound to Plasma Protein: Because parametries is highly bound to plasma protein, administration of PAXIL CR to a patient taking another drug that is highly protein bound may cause increased free concentrations of the other drug, potentially resulting in adverse events. Conversely, adverse effects could result from displacement of parametrie by other highly bound drugs. Drugs That Interfere With Hemostasis (MSAIDs, Asplinia, Warfarin, etc.): Severoionin release by platelatyse an important role in hemostasis. Epidemiological studies of the case-control and cohort design that have demonstrated an essociation between use of psychotropic drugs that interfere with serctionin reuptake and the occurrence of upper gastrointestrial bleeding have also shown that concurrent use of an NSAID or aspirin potentiated the risk of bleeding. Thus, patients should be cautioned about the use of such drugs concurrently with parametine.

Alcohol: Alhound parametine does not increase the impairment of mental and motor skills caused by alcohol, patients should be

drugs concurrently with paraxetine.

Alcohol: Although paraxetine does not increase the impairment of mental and motor skills caused by alcohol, patients should be advised to avoid aborbol while taking PAXIL CR.

Lithium: A multiple-dose study with immediate-release paraxetine hydrochloride has shown that there is no pharmacokinetic interaction botween paraxetine and thirm carbonate. However, since there is little clinical experience, the concurrent administration of PAXIL CR and lithium should be undertaken with caution.

Digazin: The steady-state pharmacokinetics of paraxetine was not altered when edministered with digazin at steady state. Mean digazin AID at steady-state docreased by 15% in the presence of paraxetine. Since there is title clinical experience, the concurrent administration of PAXIL CR and digazin should be undertaken with caution.

Diazepam: Under steady-state conditions, diazepam does not appear to affect paraxetine kinetics. The effects of paraxetine on diazepam were not evaluated.

Procyclidine: Daily oral dosing of immediate-release paraxetine (30 mg once daily) increased steady-state AUCopy, Crue, and Crue values of procyclidine: Daily oral dosing of immediate-release paraxetine (30 mg once daily) increased steady-state AUCopy, Crue, and Crue values of procyclidine (50 mg oral orac daily) by 35%, 37%, and 67%, respectively, compared to procyclidine along at steady state. If anticholinergic effects are seen, the dose of procyclidine should be reduced.

Bate-Blockers: In a study where propranolol (80 mg twice daily) was do sod orally for 18 days, the established steady-state plas-tale place of the study of the state of the

reports.
Theophylline: Reports of elevated theophyline levels associated with immediate-release paroxetine treatment have been reported. White this interaction has not been formally studied, it is recommended that theophylline levels be monitored when these drugs

ed. White this interaction has not been formally studied, it is recommended that theophylline levels be monitored when these drugs are concurrently administered.

Electroconvulsive Therapy (ECT): There are no circical studies of the combined use of ECT and PAXIL CR.

Electroconvulsive Therapy (ECT): There are no circical studies of the combined use of ECT and PAXIL CR.

Carcinogenesis, Mutugenesis, Impaltment of Fertility: Carcinogenesis: Two-year carcinogenesisy studies were conducted in rodents given paractine in the det at 1, 5, and 25 mg/kg/duy (ricts) and 1.5, and 25 mg/kg/duy (rats). These doses are up to approximately 2 (mouse) and 3 (rat) times the maximum recommended human dose (MRHU) on a mg/m² basis. There was a significantly greater number of male rats in the high-dose group with reticulum cell sucrounas (1/10, 0/50, 0/50, dud 4/50 for control, low-, middle-, and high-dose groups, respectively) and a significantly increased linear trend across dose groups for the occurrence of tymo-protectical rumors in mice at Female rats. Female rats were not affected. Although there was a dose-related increase in the number of tumors in mice, there was no drug-related increase in the number of mice with tumors. The relevance of these findings to humans is unknown.

imice, there was no drug-related increase in the number of mice with tumors. The relovance of these findings to humans is unknown.

Mutagenesis: Paroxetine produced no genotoxic effects in a battery of 5 in vitro and 2 in vivo assays that included the following: Bacterial mutation assay, unusue lymphoma mutation assay, unscheduled DNA synthesis assay, and lests for cytogenetic aberrations in vivo in mouse bone memory and in vitro in human hymphocytes and in a dominant lebral lest in rits.

Impairment of Fertility: A reduced pregrancy rate was found in reproduction studies in rits at a dose of paroxetine of 5 mg/kg/day, which is approximately histee the MRHD on a mg/m² basis. Threvensible lesions occurred in the reproductive tract of male rats after dosing in texicity studies for 2 to 52 weeks. These lesions consisted of vacuolation of epiddymal tubular epithelium at 50 mg/kg/day and atrophic changes in the seminiferous tubules of the testes with arrested spermatogenesis at 25 mg/kg/day (approximately 8 and 4 times the MRHD on a mg/m² basis.)

Pregnancy: Pregnancy Category C. Reproduction studies were performed at doses up to 50 mg/kg/day in ratios and ministered during organogenesis. These doses are approximately 8 (rat) and 2 (rabbit) times the MRHD on an mg/m² basis. These studies have revealed no evidence of teratogenic effects. However, in rats, there was an increase in pup deaths during the first 4 days of lactation when dosing occurred during the last trimester of gestation and continued throughout bactation. This effect occurred at a dose of 1 mg/kg/day or approximately one-sixth of the MRHD on an mg/m² basis. The no-effect dose for rap up mortility was not determined. The cause of these deaths is not known. There are no adequate and well-continued throughout bactation. This effect occurred at a dose of 1 mg/kg/day or approximately one-sixth of the MRHD on an mg/m² basis. The no-effect dose for rap up mortility was not determined. The cause of these deaths is not known. There are no adequate and well-con

viorsering and Sucode Hisk).

Geriatric Use: In workfixing premarketing cfinical trials with immediate-release paraxetine hydrochloride, 17% of paraxetine-treated patients (approximately 700) were 65 years or older. Pharmacokinetic studies revealed a decreased clearance in the elderly, and
a lower starting doss is recommended; there were, however, no overall differences in the adverse event profile between elderly and
younger patients, and effectiveness was similar in younger and older patients (see CLINICAL PHARMACOLOGY and DOSAGE
AND ADMINISTRATION).

In a controlled study locusing specifically on elderly patients with major depressive disorder, PAXIL CR was demonstrated to be safe and effective in the treatment of elderly patients (>60 years) with major depressive disorder, (See CLINICAL PHARMACOLO-GY-Clinical Trials and ADVERSE REACTIONS—Table 2.)

ADVERSE REACTIONS
The information include

ADVERSE REACTIONS

The information included under the "Adverse Findings Observed in Short-Term, Placebo-Controlled Trials With PAXIL CPT subsection of ADVERSE REACTIONS is based on data from 11 placebo-controlled clinical trials. Three of these studies were conducted in patients with major depressive disorder, 3 studies were done in patients with panic disorder, 1 study was conducted in patients with social arrively disorder, and 4 studies were done in female patients with panic disorder, 1 study was conducted in patients with social arrively disorder, and 4 studies were done in female patients with PAMD. Two of the studies in major depressive disorder, which enrolled patients in the age range 18 to 65 years, are pooled. Information from a third study of major depressive disorder, which included on elderly patients (60 to 88 years), is presented separately as is the information from the pAMD. Two other interestives and the information from the PAMD studies. Information on additional adverse events associated with PAXIL CR and the immediate-release formulation of paracetine hydrochloride is included in a separate subsection (see Other Events).

Adverse Events Associated With Discontinuation of Treatment: Major Depressive Discorter. Ten percent (21/212) of patients treated with PAXIL CR discontinued treatment due to an adverse event in a pool of 2 studies of patients with major depressive disorder. The most common events (21%) associated with discontinuation and considered to be drug related (i.e., those events associated with dropout at a rate approximately twice or greater for PAXIL CR compared to placebo) included the following:

PAXIL CR

	PAXIL CR	Placebo
	(n=212)	(n=211)
Nausea	3.7%	0.5%
Asthenia	1.9%	0.5%
Dizziness	1.4%	0.0%
Somnolence	1.4%	0.0%

In a placebo-controlled study of elderly patients with major depressive disorder, 13% (13/104) of patients treated with PAXIL CR iscontinued due to an adverse event. Events meeting the above criteria included the following:

	PAXIL CR	Placebo
	(n=104)	(n=109)
Nausea	2.9%	0.0%
Headache	1.9%	0.9%
Depression	1.9%	0.0%
LFT's abnormal	1.9%	0.0%

Panic Disorder: Eleven percent (50/444) of patients treated with PAXIL CR in panic disorder studies discontinued treatment due to an adverse event. Events meeting the above criteria included the following:

	PAXIL CR	Placebo
	(n=444)	(n=445)
Nausea	2.9%	0.4%
Insomnia	1.8%	0.0%
Headache	1.4%	0.2%
Asthenia	1.1%	0.0%

Social Anxiety Disorder: Three percent (\$/186) of patients treated with PAXIL CR in the social anxiety disorder study discontinued treatment due to an adverse event. Events meeting the above criteria included the following:

	PAXIL CR	Placebo
	(n=186)	(n=184)
Nausea	2.2%	0.5%
Headache	1.6%	0.5%
Dianhea	1.1%	0.5%

Promenstrual Dysphoric Disorder: Spontaneously reported adverse events were monitored in studies of both continuous and intermittent dosing of PAXIL CR in the treatment of PMDD. Generally, there were few differences in the adverse event profiles of the 2 dosing regimens. Thirteen percent (89881) of patients treated with PAXIL CR in PMDD studies of continuous dosing discontinued treatment due to an adverse event.

The most common events (21%) associated with discontinuation in either group treated with PAXIL CR with an incidence rate that is at least twice that of placets in PMDD triats that employed a continuous dosing regimen are shown in the following table. This table also shows those events that were dose dependent (indicated with an asterisk) as defined as events having an incidence rate with 25 mg of PAXIL CR that was at least twice that with 25 mg of PAXIL CR (as well as the placebo group).

Placebo

	PAXIL CR 25 mg n = 348	PAXIL CR 12.5 mg n = 333	Ptacebo n = 349
TOTAL	15%	9.9%	6.3%
Nausea*	6.0%	2.4%	0.9%
Asthenia	4.9%	3.0%	1.4%
Somnolence*	4.3%	1.8%	0.3%
Insomnia	2.3%	1.5%	0.0%
Concentration Impaired*	2.0%	0.6%	0.3%
Dry mouth*	2.0%	0.6%	0.3%
Dizziness*	1.7%	0.6%	0.6%
Decreased Appetite*	1.4%	0.6%	0.0%
Sweating*	1.4%	0.0%	0.3%
Tremor	1.4%	0.3%	0.0%
Yawn*	1.1%	0.0%	0.0%
Diarrhea	0.9%	1.2%	0.0%

Events considered to be dose dependent are defined as events having an incidence rate with 25 mg of PAXIL CR that was at least twice that with 12.5 mg of PAXIL CR (as well as the placebo group).

Commonly Observed Adverse Events: Major Depressive Disorder: The most commonly observed adverse events associated with the use of PAXIL CR in a pool of 2 trials (incidence of 5.0% or greater and incidence for PAXIL CR at least twice that for placebo, derhed from Table 1) were: Abnormal ejacutistion, abnormal vision, constipation, decreased libido, dianthea, dizziness, female genital disorders, nausea, somnolence, swearing, trauma, tremor, and yawning.

Using the same criteria, the adverse events associated with the use of PAXIL CR in a study of elderly patients with major depressive disorder were: Abnormal ejacutation, constipation, decreased appetite, dry mouth, impotence, infection, libido decreased, sweat-

ing, and terror.

Ing. and ter

Panic Disorder in the pool of panic disorder studies, the adverse events meeting these criteria were: Abnormal ejacutation, somnolence, impotence, bibdio decreased, tremor, sweating, and female gental disorders (generally anorgasmia or difficulty achieving orgasmi).

Social Anziety Disorder: the the social anxiety disorder study, the adverse events meeting these criteria were: Nausea, asthenia, abnormal ejacutation, sweating, somnolence, impotence, insomnia, and bibdio decreased.

Premenstrual Dyspharic Disorder: The most commonly observed adverse events associated with the use of PAXIL CR either during continuous dosing or tated phase dosing (incidence of 5% or greater and incidence for PAXIL CR at least twice that for place-bo, derived from Table 5) were: Nausea, asthenia, ibidio decreased, somnolence, insomnia, temale gential disorders, sweating, dizzhness, dianhea, and consipation.

In the luteal phase dosing PMDD trial, which employed dosing of 12.5 my(day or 25 my(day of PAXIL CR limites to the 2 weeks prior to the onset of menses over 3 consecutive menstrual cycles, adverse events were evaluated during the first 14 days of each off-drug phase. When the 3 off-drug phases were combined, the following adverse events were reported at an incidence of 2% or greater for PAXIL CR and were at least twice the rate of that reported for placebo. infloction (5.3% versus 2.5%), depression (2.8% versus 0.8%), incidence in Controlled Clinical Trials: Table 1 enumerates adverse events that occurred at an incidence of 1% or greater and with PAXIL CR, years 10.8%, should be a placebo-controlled trial in major depressive disorder in which patients were dosed in a range of 2.5 mg to 8.2.5 mg/day, table 2 enumerates adverse events reported at an incidence of 1% or greater among publicars (19 to 2.5 mg to 5.5 mg/day, table 3 enumerates adverse events reported at an incidence of 1% or greater among publicars (19 to 2.5 mg/day CR who participated in 2.5 mg/day CR who participated in 3 short-term (10-week) cabcebo-controlled tri

Table 1. Treatment-Emergent Adverse Events Occurring in ≥1% of Patients Treated With PAXIL CR in a Pool of 2 Studies in Major Depressive Disorder^{1,2}

	% Reportin	g Event
Body System/Adverse Event	PAXIL CR (n=212)	Placebo (n=211)
Body as a Whole Headache Asthenia Infection! Abdominal Pain Back Pain Trauma' Pain' Allergic Reactiont	27% 14% 8% 7% 5% 5% 3% 2%	20% 5% 5% 4% 3% 1% 1%
Cerdiovascular System Tachycardia Vasodilatation ⁷	1% 2%	0% 0%
Digestive System Nausea Diarrhea Dry Mouth Constipation Flatulence Decreased Appointe Vomiting	22% 18% 15% 10% 6% 4% 2%	10% 7% 8% 4% 4% 2%
Nervous System Somnolence Insomnia Dizziness	22% 17% 14%	8% 9% 4%

Table 1. Treatment-Emergent Adverse Events Occurring in ≥1% of Patients Treated With PAXIL CR in a Pool of 2 Studies in Major Decreasive Disorder 4 (continued)

	% Reportin	ng Event
Body System/Adverse Event	PAXIL CR (n=212)	Placebo (n=211)
Nervous System (continued) Libido Decreased Tremor Hypertonia Paresthsia Agistion Confusion	7% 7% 3% 3% 2% 1%	3% 1% 1% 1% 1% 0%
Respiratory System Yawn Phinitis Cough Increased Bronchitis	5% 4% 2% 1%	0% 1% 1% 0%
Skin and Appendages Sweating Photosensitivity	6% 2%	2% 0%
Special Senses Abnormal Vision ^a Taste Perversion	5% 2%	1% 0%
Urogenital System Abnormal Ejecutation ^{1,10} Female Genital Disorder ^{8,11} Impotence ⁸ Urinary Tract Infection Morstmal Disorder ⁸ Vaginita ⁹	26% 10% 5% 3% 2% 2%	1% <1% 3% 1% <1% 0%

Veginitis*

1. Adverse events for which the PAXIL CR reporting incidence was less than or equal to the placebo incidence are not included. These events are: Abnormal dreams, anuiety, arthralgia, depersonalization, dysmenorma, dyspepsia, hyperkinesia, increased appetite, myadjie, nervousness, phanyngiis, purpure, rash, respiratory disorder, shretitis, urinary frequency, and weight gain.

2. c1% means greater than zero and less than 1%.

3. Mostly fib.

4. A wide variety of injuries with no obvious pattern.

5. Pain in a variety of locations with no obvious pattern.

6. Most frequently seasonal allergic symptoms.

7. Usually flushing.

8. Mostly bitured vision.

9. Based on the number of males or females.

10. Mostly anorgasmia or delayed ejaculation.

11. Mostly anorgasmia or delayed ejaculation.

11. Mostly anorgasmia or delayed ejaculation.

Table 2. Treatment-Emergent Adverse Events Occurring in ≥5% of Patients Treated With PAXIL CR in a Study of Eldorly Patients With Major Depressive Disorder^{1,2}

	% Reporti	ng Event
Body System/Adverse Event	PAXIL CR (r=104)	Placebo (n=109)
Body as a Whole Headache Asihenia Trauma Infection	17% 15% 8% 6%	13% 14% 5% 2%
Digestive System Dry Mouth Distribus Constipation Dyspepsia Decreased Appetite Flatulence	18% 15% 13% 13% 12% 8%	7% 9% 5% 10% 5%
Nervous System Somnolence Insomnia Dizziness Lbido Decreased Tremor	21% 10% 8% 8% 7%	12% 8% 5% <1% 0%
Skin and Appendages Sweating	10%	<1%
Urogenital System Abnormal Ejaculation ^{3,4} Impotence ³	17% 9%	3% 3%

1. Adverse events for which the PAXIL CR reporting incidence was less than or equal to the placebo incidence are not included.

1. Adverse events are nausea and respiratory disorded
2. <1% means greater than zero and less than 1%.
3. Based on the number of males.
4. Mostly anorgasmia or delayed ejacutation.

Table 3. Treatment-Emergent Adverse Events Occurring in 1% of Patients Treated With PAXIL CR in a Pool of 3 Panic

10.00	% Report	ng Event
Body System/Adverse Event	PAXIL CR (n=444)	Placebo (n⇒445)
Body es a Whole Asthenia Abdominal Pain Trauma ³	15% 6% 5%	10% 4% 4%
Cardiovascular System Vasodilation*	3%	2%
Digestive System Nausea Dry Mouth Diarntea Constipation Decreased Appetite	23% 13% 12% 9% 8%	17% 9% 9% 6% 6%
Metabolic/Nutritional Disorders Weight Loss	1%	0%
Musculoskeletal System Myalgia	5%	3%
Nervous System Insonnia Somolence Loido Decreased Nervousness Trenor Arxiety Agtalion Hypertonia Myocknus	20% 20% 9% 8% 8% 5% 3% 2% 2%	11% 9% 4% 7% 2% 2% <1% <1%
Respiratory System Sinusitis Yawn	8% 3%	5% 0%
Skin and Appendages Sweating	7%	2%

Table 3. Treatment-Emergent Adverse Events Occurring in ≥1% of Patients Treated With PAXIL CR in a Pool of 3 Panic Disorder Studies¹2 (continued)

	% Reporti	ng Event
Body System/Adverse Event	PAXIL CR (n=444)	Placebo (n=445)
Special Senses Abnormal Vision ⁶	3%	<1%
Urogenital System Abnormal Ejaculation ^{1,8} Impotence ⁷ Female Genital Disorders ^{8,10} Urinary Frequency Urinatlon Impaired Yaginitis ⁸	27% 10% 7% 2% 2%	3% 1% 1% <1% <1%

Vaginitis* 1% <1%

1. Adverse events for which the reporting rate for PAXIL CR was less than or equal to the placebo rate are not included. These events are: Abnormal dreams, allergic reaction, back pain, bronchilis, chest pain, concentration impaired, confusion, cough increased, depression, disziness, dysmenomine, dyspepsia, fever, flatulence, headache, increased appetite, infection, menstrual disorder, migraine, pain, parasithesia, pharyngite, respiratory disorder, minists, tachycardia, taste perversion, thinking abnormal, urinary fract infection, and vomiting.

2. <1% means greater than zero and less than 1%.

3. Various physical injuries.

4. Mostly flushing.

5. Mostly muscle tightness or stiffness.

6. Mostly burder vision.

7. Based on the number of male patients.

8. Mostly anorgasmia or delixed ejeculation.

9. Based on the number of ternale patients.

10. Mostly anorgasmia or delixed ejeculation.

9. Based on the number of ternale patients.

10. Mostly anorgasmia or delixed ejeculation.

Treatment-Emergent Adverse Effects Occurring in ≥1% of Patients Treated With PAXIL CR in a Social Anxiety der Study!³

	% Reporting Event		
Body System/Adverse Event	PAXIL CR (n=185)	Placebo (n=184)	
Body as a Whole Headache Asthenia Abdominal Pain Back Pain Trauma ³ Allergic Reaction ⁴ Chest Pain	23% 18% 5% 4% 3% 2% 1%	17% 7% 4% 1% <1% <1%	
Cardiovascular System Hypertension Migraine Tachycantia	2% 2% 2%	0% 1% 1%	
Digestive System Nausca Diarrhea Constigation Dry Mouth Dyspepsia Decreased Appetite Tooth Disorder	22% 9% 5% 3% 2% 1%	6% 8% 2% 2% 41% (1%	
Metabolic/Nutritional Disorders Weight Gain Weight Loss	3% 1%	1% 0%	
Nervous System Insornia Somnolence Libido Decreased Dizziness Tremor Anxiety Concentration Impaired Depression Mycionus Paresthesia	9% 9% 8% 7% 4% 2% 2% 1%	4% 4% 1% 2% 2% 1% 0% 1% <1%	
Respiratory System Yawn	2%	0%	
Skin and Appendages Sweating Eczema	14% 1%	3% 0%	
Special Senses Abnormal Vision ⁵ Abnormality of Accommodation	2% 2%	0% 0%	
Urogenital System Abnormal Ejaculation ^{4,7} Impotence ⁶ Female Genital Disorders ^{4,9}	15% 9% 3%	1% 0% 0%	

Adverse events for which the reporting rate for PAXIL CR was less than or equal to the placebo rate are not included. These
events are: Dysmenorthea, latulence, gastroenteritis, hypertonia, infection, pain, pharyngitis, rash, respiratory disorder, thinkis.

events are: Dysmenorthee, latulence, gastroenter and vornities greater than zero and less than 1%.

2. < 1% means greater than zero and less than 1%.

3. Various physical injuries.

4. Most frequently seasonal altergic symptoms.

5. Mostly blumed vision.

6. Based on the number of male patients.

7. Mostly anorgasmia or delayed ejacutation.

8. Based on the number of tenale patients.

9. Mostly anorgasmia or difficulty arbieving orgasm.

Table 5. Treatment-Emergent Adverse Events Occurring in ≥1% of Patients Treated With PAXIL CR in a Pool of 3 Premenstrual Dysphoric Disorder Studies with Continuous Dosing or in 1 Premenstrual Dysphoric Disorder Study with Luteal Phase Dosing^{1,2,3}

%	Re	por	ting	Ev	en

	Continuo	us Dosing	Luteal Pt	ase Dosing			
Body System/Adverse Event	PAXIL CR (n = 681)	Placebo (n = 349)	PAXIL CR (n = 246)	Placebo (n = 120)			
Body as a Whole Asthenia Headache Infection Abdominal pain	17% 15% 6%	6% 12% 4%	15% 3%	4% _ 0%			
Cardiovascular System Migraine Digestive System	1%	<1%	-	-			
Nausea Diambea Constipation Dry Mouth Increased Appetite Decreased Appetite Decreased Appetite Dyspepsia	17% 6% 5% 4% 3% 2% 2%	7% 2% 1% 2% <1% <1%	18% 6% 2% 2% — 2% 2%	2% 0% <1% <1% 0% 2%			
Gingivitis	_	_	1%	0%			

Table 5. Trestment-Emergent Adverse Events Occurring in ≥1% of Patients Treated With PAXIL CR in a Pool of 3 Premenstrual Dysphoric Disorder Studies with Continuous Dosing or in 1 Premenstrual Dysphoric Disorder Study with Luteal Phase Dosing 12.1 (continued)

	% Reporting Event				
	PAXIL CR	Placebo	PAXIL CR	Placebo	
Body System/Adverse Event	(n=681)	(n=349)	(n=246)	(n=120)	
Metabolic and Nutritional Disorders	(1,-0.01	1	,,	
Generalized Edema	-	_	1%	<1%	
Weight Gain	_	_	1%	<1%	
Musculos keletal System			,		
Arthralgia	2%	1%	_	_	
Nervous System	270	1.4			
Libido Decreased	12%	5%	9%	6%	
Somnolence	9%	2%	3%	<1%	
Insomnia	8%	2%	7%	394	
Dizziness	7%	3%	6%	3%	
Tremor	4%	<1%	5%	3% 3% 0%	
Concentration Impaired	3%	<1%	1%	0%	
Nervousness	2%	<1%	3%	2%	
Anxiety	294	1%	-		
Lack of Emotion	2% 2%	<1%	_	_	
Depression		-	24	<1%	
Vertigo		_	2% 2%	<1%	
Abnormal Dreams	1%	<1%			
Amnesia	1.70	-	1%	0%	
	-	_	176	UN	
Respiratory System Sinusitis			4%	2%	
	2%	<1%	474	276	
Yawn			00/	200	
Bronchitis			2%	0%	
Cough Increased	1%	<1%	-	_	
Skin and Appendages	-	440	***		
Sweating	7%	<1%	6%	<1%	
Special Senses			***	***	
Abnormal Vision	-	-	1%	0%	
Urogenital System				1.00	
Female Genital Disorders	8%	1%	2%	0%	
Menorrhagia	1%	<1%	-	-	
Vaginal Monitiasis	1%	<1%	-	-	
Menstrual Disorder	-	_	1%	0%	

1% 0%

1. Adverse events for which the reporting rate of PAXIL CR was less than or equal to the placebo rate are not included. These events for continuous dosing are: Abdominal pain, back pain, pain, trauma, weight gain, myalgia, phanyngits, respiratory disorder, whint is, sinusitis, pruntis, dysmenorthea, menstrual disorder, urinary tract infection, and vomiting. The events for lateal phase dosing are: Allergic reaction, back pain, headache, infection, pain, trauma, myalgia, anxiety, phanyngitis, respiratory disorder, cystitis, and dysmenorthea.

<1% means greater than zero and less than 1%.

The kireal phase and continuous dosing PMDD trials were not designed for making direct comparisons between the 2 dosing regimens. Therefore, a comparison between the 2 dosing regimens of the PMDD trials of incidence rates shown in Table 5 should be

4. Mostly anorgasmia or difficulty achieving orgasm.

Dose Dependency of Adverse Events: The following table shows results in PMDD trials of common adverse events, defined as vents with an incidence of 21% with 25 mg of PAXII. CR that was at least twice that with 12.5 mg of PAXII. CR and with placebo. Incidence of Common Adverse Events in Placebo, 12.5 mg and 25 mg of PAXIL CR in a Pool of 3 Fixed-Dose PMDD Trials

PAXIL CR 25 mg (n = 348)	PAXIL CR 12.5 mg (n = 333)	(n = 349)
•		
8.9%	4.2%	0.9%
6.0%	1.5%	0.3%
4.3%	1.5%	0.6%
3.2%	0.9%	0.3%
1.4%	0.3%	0.3%
1.1%	0.3%	0.0%
1.1%	0.3%	0.3%
	25 mg (n = 348) 8.9% 6.0% 4.3% 3.2% 1.4% 1.1%	25 mg (n = 348) (n = 333) 8 9% 4.2% 6.0% 1.5% 3.2% 0.9% 1.4% 0.3% 1.1% 0.3%

A comparison of adverse event rates in a fixed-dose study comparing immediate-release paraxetine with placebo in the treatment of major depressive disorder revealed a clear dose dependency for some of the more common adverse events associated with the use of immediate-release paraxetine.

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 suggests that SSRIs can cause such unloward sexual experiences.

Reliable estimates of the incidence and severify of unloward sexual experiences involving sexual desire, performance, and satisfaction are difficult to obtain; however, in part because patients and physicians may be refluctant to discuss them. Accordingly, estimates of the incidence of unloward sexual experience and performance clod in product labeling, are likely to underestimate their actual necidence.

The percentage of patients reporting symptoms of sexual dysfunction in the pool of 2 placebe-controlled trials in nonelderly patients with major depressive disorder, in the pool of 3 placebe-controlled trials in patients with panic disorder, in the placebe-controlled trials in patients with panic disorder, in the placebe-controlled trials in patients with panic disorder, in the placebe-controlled trials in patients with panic disorder, and in the intermittent dosing and the pool of 3 placebe-controlled continous dosing trials in terrale patients with PMDD are as follows:

	Major Depressive Disorder		Major Depressive Panic Disorder Social Anxiety Disorder Disorder			PMD0 Continuous Dosing		PMDD Luteal Phase Dosing		
	PAXIL CR	Placebo	PAXIL CR	Placebo	PAXIL CR	Placebo	PAXIL CR	Placebo	PAXIL CR	Placebo
n (males)	78	78	162	194	88	97	n/a	n/a	n/a	n/a
Decreased Libido	10%	5%	9%	6%	13%	1%	n/a	n/a	n/a	n/a_
Ejaculatory Disturbance	26%	1%	27%	3%	15%	1%	r/a	n/a	n/a	7 =
Impotence	5%	3%	10%	1%	9%	0%	r/a	n/a	n/a	Non
n (females)	134	133	282	251	98	87	681	349	245	120
Decreased Libido	4%	2%	8%	2%	4%	1%	12%	5%	9%	6%
Orgasmic Disturbance	10%	<1%	7%	1%	3%	0%	8%	1%	2%	0%

There are no adequate, controlled studies examining sexual dysfunction with paroxetine treatment. Paroxetine treatment has been associated with several cases of priapism. In those cases with a known outcome, patients recov-

Paraxetine treatment has been associated with several cases of priagram. In those cases with a known outcome, patients recovered without sequelae.

White it is difficult to know the precise risk of sexual dysfunction associated with the use of SSRIs, physicians should routinely inquire about such possible side effects.

Weight and Vital Sign Changes: Significant weight loss may be an undesirable result of treatment with paroxetine for some patients but, on average, patients in controlled trials with PAXIL CR or the immediate-release formutation, had minimal weight loss jabout 1 pound). No significant changes in vital signs (systolic and diastolic blood pressure, putse, and temperature) were observed in patients treated with PAXIL CR or the mediate-release paracetine bytonchloride, in controlled clinical trials.

ECG Changes: In an analysis of ECGs obtained in 682 patients treated with immediate-release paracetine and 415 patients treated with placeto in controlled clinical trials, policical trials, polici

for alkaline phosphatases, SGUT, SGPT, and bitmoin reveated no orienences in the percentage or parents wan maintou uncommentes.

In a study of elderly patients with major depressive disorder, 3 of 104 patients treated with PAXIL CR and none of 109 placebo patients experienced here transaminase elevations of potential clinical concern.

Two of the patients treated with PAXIL CR dropped out of the study due to abnormal liver function tests; the third patient experienced normalization of theraminase levels with continued treatment. Also, in the pool of 3 studies of patients with panic disorder, 4 of 444 patients treated with PAXIL CR and none of 445 placebo patients experienced liver transaminase elevations of potential clinical concern. Elevations in all 4 patients decreased substantially after discontinuation of PAXIL CR. The clinical significance of these findings is unknown.

In placebo-controlled clinical trials with the immediate-release formulation of paroxetine, patients exhibited abnormal values on liner function tests at no greater rate than that seen in placebo-treated patients.

Other Events Observed During the Clinical Development of Paroxetine: The bilowing adverse events were reported during the critical development of PAXIL CR. The other activities of the paroxetine of the paroxetine of the paroxetine of the paraxetine of the p

a meaningful estimate of the proportion of individuals experiencing adverse events without first grouping similar types of untoward events into a smaller number of standardized event categories.

In the tabulations that billow, reported adverse events were classified using a COSTART-based dictionary. The frequencies presented, therefore, represent the proportion of the 1,627 patients exposed to PAXIL CR who experienced an event of the type cited on at least 1 occasion white receiving PAXIL CR. All reported events are included except those already listed in Tables 1 through 5 and those events where a chug cause was remote. If the COSTART term for an event was so general as to be uninformative, if was deleted or, when possible, replaced with a more informative, the six function to emphasize that although the events reported occurred during treatment with parametric they were not processably created by if

where a drug cause was remote. If the COSTAFT term for an event was so general as to be uninformative, it was deleted or, when possible, replaced with a more informative term. It is important to emphasize that although the events reported occurred during treatment with parawatine, they were not necessarily caused by it.

Events are further categorized by body system and listed in order of decreasing frequency according to the following definitions: Frequent adverse events those occurring on 1 or more occasions in at least 1/100 patients (any) those not already listed in the tabulated results from placebo-controlled triats appear in this listing); infrequent adverse events are those occurring in levent than 1/1,000 patients, are events are those occurring in levent than 1/1,000 patients.

Adverse events for which frequencies are not provided occurred during the premarketing assessment of immediate-release parawatine in phase 2 and 3 studes of major depressive decorder, because compulsive disorder, panie desorder, social anxiety disorder, generalized anxiety disorder, and posttraumatic stress disorder. The conditions and duration of exposure to immediate-release parawatine and included (in overlapping acterity only those events not previously listed or controlled release parawatine are included. The adverted to which these events may be associated with MXIII. CR is unknown.

Events are listed alphabetically within the respective body system. Events of major crinical importance are also described in the PRECAUTIONS section.

Body as a Mhole: Interquent were child, bace oderna, lever, thi syndrome, malaise; more were abscess, anaphylacticid reaction, and choinerpic syndrome, hypothemic; also observed were adversery syndrome, neck rigidity, sepsis.

Cardiovascular System: Interquent were engine pectors, brodycarda, hematoma, hypothesion, popitation, postural hypotension, supraventricular standycarda, syncope; rare were bundle branch block also observed were armythmis rocal, aired fortal-tion, cerebrovascular acciden

Endocrine System: Infrequent were ovarian ops, reside pain, new more than the hypothyroidist, hypothyroidist,

increased.
Musculoskeletat System: Infrequent were arthrits, burstis, tendonitis; rare were myasthenia, myopathy, myositis; also observed were generalized spasm, osteoporosis, tenosynovita, tetany.
Nanvous System: Frequent were depression; infrogent were armesia, convulsion, depersonalization, dystonia, emotional labitaty, habicatators, hypertinesia, hyposthesia, hypotinesia, hostifay, paranoid reaction, torticolis, withdrawal syndrome; also observed were abnormal aga, akathsia, almesia, aphsia, chrecostretoisis, circumonal paresthesia, definium, debstons, dysarthria, eutprofin, entrapyramical syndrome, tasocutations, grand mat convulsion, hyperalgesia, irritabilay, manic reaction, manic depressive reaction, meningitis, myelitis, perhoral entralis, psychosis, psychotic depression, reflexes decreased, reflexes increased stupor, tismus.
Respiratory System: Frequent were pharyngitis; infrequent were asthma, dyspnea, epistasis, langitis, pneumonia; rare were stridor, also observed were dysphonia, emphysima, hemophysis, hicrups, hyperventilation, lung fibrosis, pulmorary edema, respiratory fu, sputtum increased.

also observed were dysphonia, emphysima, hemophysis, hicrups, hyperventilation, lung fibrosis, pulmorary edema, respiratory flu, sputum increased.

Skin and Appendages: Frequent were rash; infrequent were ache, alopecia, dry skin, eczema, pruntus, unicaria; rare were exclusive dermatitis, futuruculosis, pustular rash, sebontea, also observed were angooderan, codymnosis, enythema multilome, anodesum, historium, muculogapular ansi, skin discoloration, skin hypertophy, skin ulcer, sweeping decreased, vesiculobulous rash. Special Senses: infrequent were originating, visual field telect calso observed were andyologia, ansocoria, butmed vison, catarad, conjunctival edema, corneal ulcer, deafness, caporithalmos, glaucoma, hyperaculsis, night bifuriness, parasmis, plosis, taste loss.

Ungenital System: Frequent were dysmenorihean; infrequent were abuminuria, amenorihean; breast poin*, cystitis, dysuria, prostatis*, unitary trelation; rare were breast enlargement*, breast neoplasmi*, lemale lactation, hematuria, kohey calculus, metromajai*, nephilis, nocturia, pregnancy and puerperal disorders*, salphratis, unitary incontinence, uterine fibricis enlargod*; also observed were respectively, elecuted to extra the control of the

a case report of severe hypotension when immediate-release parasetine was added to chronic metoprobil treatment.

DRUG ABUSE AND DEPENDENCE

Controlled Substance Class: PAXIL CR is not a controlled substance.

Physical and Psychologic Dependence: PAXIL CR has not been systematically studied in animals or humans for its potential for abuse, tolerance or physical dependence. While the chirals trials did not reveal any tendency for any drug-seeking behavior, these 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, patients should be evaluated carefully for history of drug abuse, and such patients should be observed closely for signs of misuse or abuse of PAXIL CR (e.g., development of tolerance, incrementations of dose, drug-seeking behavior).

OVERDOSAGE

OVENUOSAGE
Human Experience: Since the introduction of immediate-release paraxetine hydrochloride in the United States, 342 spontaneous cases of disberate or accidental oventosage during paraxetine treatment have been reported worthvide (circa 1999). These include overtoses with paraxetine alone and in combination with other substances. Of these, 46 cases were fatal and, of the Istatilios, 17 appeared to involve paraxetine alone. Eight stat cases that documented the amount of paraxetine injected were generally confounded by the ingestion of other drugs or alcohol or the presence of significant comorbid conditions, 07 14s front-fate cases with known outcome, most recovered without sequelae. The largest known ingestion involved 2,000 mg of paraxetine (33 times the maximum recommended chilly dose) he excellent the presence of the presence of the processor of the p

ered without sequelae. The largest known injustion where a second of a different percentage include somnotence, come, nausea, tremor, tadrycarda, confusion, vornána, and dizziness. Other notable signs and symptoms observed with everticess involving paracetras (including states explications), vornána, and dizziness. Other notable signs and symptoms observed with everticess involving paracetras or with other substances) include mydrassis, convulsions (including states explications), ventriouse dystyrinas (including lossade de portres), hypertension, aggressive reactions, synope, hypotension, stupor, bradycardia, dystonia, rhabdomyolysis, symptoms of hepatic dysfunction (including hepatic stature, hepatic necrosis, jaundice, hepatitis, and hepatic steatosis), sentroinn syndrome, manic reactions, myoclonus, acuto renal taiture, and urinary referition.

Overdosage Management: Treatment should consist of those general measures employed in the management of overdosage with any drugs effective in the treatment of major depressive disorder.

Ensure an adequate alway, oxygenation, and ventilation. Monitor cardiac thythm and vital signs. General supportive and symptomatic measures are also recommended Induction of emsist is not recommended. Gastric lavage with a large-born orogastric tube with appro-priate alway protection, if needed, may be indicated if performed soon after ingestion, or in symptomatic patients. Activated chanceal should be administered to but the targe volume of distribution of this day, forced duresis, daysis, hemoperhusion, and exchange transfusion are unlikely to be of benefit. No specific antidotes for paracetine are known.

A specific caution involves patients taking or recently having taken paracetine who might ingest excessive quantities of a tricyclic anti-depressant. In such a case, accumulation of the part tricyclic and an active metabolite may increase the possibility of chically signifi-cant sequebe and extend the time needed for close medical observation (see PRECAUTIONS—Drugs Metabolized by Cynchrome Puellibal.

Position.

In managing overdosage, consider the possibility of multiple-drug involvement. The physician should consider contacting a poison control center for additional information on the treatment of any overdose. Telephone numbers for certified poison control centers are listed in

tool certife for postural information on the treatment or any overcose, respiration numbers on certifical posterior strategy posterior in the Physicians' Desk Reference (PCR).

DOSAGE AND ADMINISTRATION
Major Depressive Disorder. Usual Initial Dosege: PAXIL CR should be administered as a single dialy dose, usually in the morning, with or without food. The recommended initial dose is 25 mg/day, Patients were dosed in a range of 25 mg/day in the critical trials demonstrating the effectiveness of PAXIL CR in the treatment of major depressive disorder. As with all drugs effective in the treatment of major depressive disorder. As with all drugs effective in the treatment of major depressive disorder. As with all drugs effective in the treatment of major depressive disorder. As with all drugs effective in the treatment of major depressive disorder. As with all drugs effective in the treatment of major depressive disorder require several mortification. Maintenance Therapy: There is no body of evidence available to maker the question of how long the patient treated with PAXIL CR. Ashould remain on it. It is generably egreed that acute episodes of major depressive disorder require several mortification of bright and or sustained pharmacologic themps, Whether the close of an articlepressart needed to induce remission is identical to the dose needed to maintain and/or sustain edifference in the control of the efficiency of immediate-release paracetine hydrochloride has shown that efficacy is maintained for perfoct of up to 1 year with tookes that averaged about 30 mg, which corresponds to a 375-mg dose of PAXIL CR, based on relative bioaxilishilly considerations (see CURINGAL PHARMACOL CGY-Pharmacologics).

Parior Disorder: Usual Initial Dossage: PAXIL CR should be administered as a single daily dose, usually in the morning. Patients were dosed in a single of 12.5 to 75 mg/day in the circustrials demonstrated as a single day dose, usually in the morning. Patients were dosed in a single of 12.5 to 75 mg/day in the circustr

relapse rate compared to patients on placebo. Partic disorder is a church condition, and it is reasonable to consider contribution for a responding patient. Dosage adjustments should be made to maintain the patient on the lowest effective dosage, and patients should be periodically reassessed to determine the need for continued treatment.

Social Analyty Disorder: Usual Mital Dosage: PANIL CR should be administered as a single daily cose, usually in the moming, with or without bod. The recommended initial dosa is 12.5 myday, by Patients were dosed in a range of 12.5 my to 37.5 myday. Patients were dosed in a range of 12.5 my to 37.5 myday. Patients were dosed in a range of 12.5 my to 37.5 myday. Patients were dosed in a range of 12.5 my to 37.5 myday. Patients were dosed in a range of 12.5 my to 37.5 myday. Patients were dosed in a range of 12.5 my to 37.5 myday. Patients were dosed in a range of 12.5 my to 37.5 myday. Patients were dosed in a range of 12.5 my to 37.5 myday. Patients were dosed in a range of 12.5 my to 37.5 myday. Patients were dosed in a range of 12.5 my to 37.5 myday. Patients were dosed in a range of 12.5 my to 37.5 myday. Patients were dosed in a range of 12.5 my to 37.5 myday. Patients were dosed in a range of 12.5 my to 37.5 myday. Patients were dosed in a range of 12.5 my to 37.5 myday in the range of 12.5 my to 37.5 myday in the range of 12.5 myday in increased. Patients and the range of 12.5 myday in th

trinester.

Dosage for Elderfy or Debilitated Patients, and Patients With Severe Renal or Hepatic Impal/ment: The recommended in-tial dose of PAXIL CR is 12.5 mg/day for etterfy patients, debitated patients, and/or patients with severe renal or hepatic impal/ ment, increases may be made if indeated. Dosage should not exceed 50 mg/day.

Switching Patients to or From a Monoamine Oxidase Inhibitor: Al teast 14 days should elapse between discontinuation of an MADI and initiation of therapy with PAXIL CR. Similarly, at least 14 days should be allowed after stopping PAXIL CR before starting an MADI.

an MAOI.
Discontinuation of Trestment With PAXIL CR; Symptoms associated with discontinuation of immediate-release paraxetine hydrochioride or PAXIL CR have been reported (see PRECAUTIONS). Patients should be monitored for these symptoms when discontinuing treatment, regardless of the indication for which PAXIL CR is being prescribed. A gradual reduction in the dose rather than atrust cessation is recommended whenever possible. If intolerable symptoms occur following a decrease in the dose or upon discontinuation of treatment, then resuming the previously prescribed dose may be considered. Subsequently, the physician may continue docreasing the dose but at a more gradual rate.

OW SUPPLIEU
PAXIL CR is supplied as an enteric firm-coated, controlled-release, round tablet, as follows:
12.5-mg yellow tablets, engraved with Paxil CR and 12.5
NDC 0029-3206-13 Bottles of 30
NDC 0029-3206-20 Bottles of 100

NDC 0029-3205-20 Bottles of 100
25-mp pink tablets, engraved with Paxil CR and 25
NDC 0029-3207-13 Bottles of 30
NDC 0029-3207-20 Bottles of 100
NDC 0029-3207-21 SUP 100s (intended for institutional use only)
37.5-mp blue tablets, engraved with Paxil CR and 37.5
NDC 0029-3200-13 Bottles of 30
Store at or below 25°C (77°F) [see USP].
PAXIL CR is a registered trademark of (BaxoSmthKline,
GEOMATRIX is a trademark of Jago Pharma, Muttenz, Switzerland.



GlaxoSmithKline Research Triangle Park, NC 27709

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April 2004 PC:L10

PAXIL®

(paroxetine hydrochloride) Tablets and Oral Suspension

DESCRIPTION

PAXIL (paroxetine hydrochloride) is an orally administered psychotropic drug. It is the hydrochloride salt of a phenylpiperidine compound identified chemically as (-)-trans-4R-(4'-fluorophenyl)-3S-[(3',4'-methylenedioxyphenoxy) methyl] piperidine hydrochloride hemihydrate and has the empirical formula of C₁₉H₂₀FNO₃•HCl•1/2H₂O. The molecular weight is 374.8 (329.4 as free base). The structural formula of paroxetine hydrochloride is:

Paroxetine hydrochloride is an odorless, off-white powder, having a melting point range of 120° to 138°C and a solubility of 5.4 mg/mL in water.

Tablets: Each film-coated tablet contains paroxetine hydrochloride equivalent to paroxetine as follows: 10 mg-yellow (scored); 20 mg-pink (scored); 30 mg-blue, 40 mg-green. Inactive ingredients consist of dibasic calcium phosphate dihydrate, hypromellose, magnesium stearate, polyethylene glycols, polysorbate 80, sodium starch glycolate, titanium dioxide, and 1 or more of the following: D&C Red No. 30, D&C Yellow No. 10, FD&C Blue No. 2, FD&C Yellow No. 6. **Suspension for Oral Administration:** Each 5 mL of orange-colored, orange-flavored liquid contains paroxetine hydrochloride equivalent to paroxetine, 10 mg. Inactive ingredients consist of polacrilin potassium, microcrystalline cellulose, propylene glycol, glycerin, sorbitol, methyl paraben, propyl paraben, sodium citrate dihydrate, citric acid anhydrate, sodium saccharin, flavorings, FD&C Yellow No. 6, and simethicone emulsion, USP.

CLINICAL PHARMACOLOGY

Pharmacodynamics: The efficacy of paroxetine in the treatment of major depressive disorder, social anxiety disorder, obsessive compulsive disorder (OCD), panic disorder (PD), generalized anxiety disorder (GAD), and posttraumatic stress disorder (PTSD) is presumed to be linked to potentiation of serotonergic activity in the central nervous system resulting from inhibition of neuronal reuptake of serotonin (5-hydroxy-tryptamine, 5-HT). Studies at clinically relevant doses in humans have demonstrated that paroxetine blocks the uptake of serotonin into human platelets. In vitro studies in animals also suggest that paroxetine is a potent and highly

selective inhibitor of neuronal serotonin reuptake and has only very weak effects on norepinephrine and dopamine neuronal reuptake. In vitro radioligand binding studies indicate that paroxetine has little affinity for muscarinic, alpha₁-, alpha₂-, beta-adrenergic-, dopamine (D₂)-, 5-HT₁-, 5-HT₂-, and histamine (H₁)-receptors; antagonism of muscarinic, histaminergic, and alpha₁-adrenergic receptors has been associated with various anticholinergic, sedative, and cardiovascular effects for other psychotropic drugs.

Because the relative potencies of paroxetine's major metabolites are at most 1/50 of the parent compound, they are essentially inactive.

Pharmacokinetics: Paroxetine is equally bioavailable from the oral suspension and tablet.

Paroxetine hydrochloride is completely absorbed after oral dosing of a solution of the hydrochloride salt. In a study in which normal male subjects (n = 15) received 30 mg tablets daily for 30 days, steady-state paroxetine concentrations were achieved by approximately 10 days for most subjects, although it may take substantially longer in an occasional patient. At steady state, mean values of C_{max}, T_{max}, C_{min}, and T_½ were 61.7 ng/mL (CV 45%), 5.2 hr. (CV 10%), 30.7 ng/mL (CV 67%), and 21.0 hr. (CV 32%), respectively. The steady-state C_{max} and C_{min} values were about 6 and 14 times what would be predicted from single-dose studies. Steady-state drug exposure based on AUC_{0.24} was about 8 times greater than would have been predicted from single-dose data in these subjects. The excess accumulation is a consequence of the fact that 1 of the enzymes that metabolizes paroxetine is readily saturable.

In steady-state dose proportionality studies involving elderly and nonelderly patients, at doses of 20 mg to 40 mg daily for the elderly and 20 mg to 50 mg daily for the nonelderly, some nonlinearity was observed in both populations, again reflecting a saturable metabolic pathway. In comparison to C_{min} values after 20 mg daily, values after 40 mg daily were only about 2 to 3 times greater than doubled.

The effects of food on the bioavailability of paroxetine were studied in subjects administered a single dose with and without food. AUC was only slightly increased (6%) when drug was administered with food but the C_{max} was 29% greater, while the time to reach peak plasma concentration decreased from 6.4 hours post-dosing to 4.9 hours.

Paroxetine is extensively metabolized after oral administration. The principal metabolites are polar and conjugated products of oxidation and methylation, which are readily cleared. Conjugates with glucuronic acid and sulfate predominate, and major metabolites have been isolated and identified. Data indicate that the metabolites have no more than 1/50 the potency of the parent compound at inhibiting serotonin uptake. The metabolism of paroxetine is accomplished in part by cytochrome P₄₅₀IID₆. Saturation of this enzyme at clinical doses appears to account for the nonlinearity of paroxetine kinetics with increasing dose and increasing duration of treatment. The role of this enzyme in paroxetine metabolism also suggests potential drug-drug interactions (see PRECAUTIONS).

Approximately 64% of a 30-mg oral solution dose of paroxetine was excreted in the urine with 2% as the parent compound and 62% as metabolites over a 10-day post-dosing period.

About 36% was excreted in the feces (probably via the bile), mostly as metabolites and less than 1% as the parent compound over the 10-day post-dosing period.

Distribution: Paroxetine distributes throughout the body, including the CNS, with only 1% remaining in the plasma.

Protein Binding: Approximately 95% and 93% of paroxetine is bound to plasma protein at 100 ng/mL and 400 ng/mL, respectively. Under clinical conditions, paroxetine concentrations would normally be less than 400 ng/mL. Paroxetine does not alter the in vitro protein binding of phenytoin or warfarin.

Renal and Liver Disease: Increased plasma concentrations of paroxetine occur in subjects with renal and hepatic impairment. The mean plasma concentrations in patients with creatinine clearance below 30 mL/min. was approximately 4 times greater than seen in normal volunteers. Patients with creatinine clearance of 30 to 60 mL/min. and patients with hepatic functional impairment had about a 2-fold increase in plasma concentrations (AUC, C_{max}).

The initial dosage should therefore be reduced in patients with severe renal or hepatic impairment, and upward titration, if necessary, should be at increased intervals (see DOSAGE AND ADMINISTRATION).

Elderly Patients: In a multiple-dose study in the elderly at daily paroxetine doses of 20, 30, and 40 mg, C_{min} concentrations were about 70% to 80% greater than the respective C_{min} concentrations in nonelderly subjects. Therefore the initial dosage in the elderly should be reduced (see DOSAGE AND ADMINISTRATION).

Clinical Trials

Major Depressive Disorder: The efficacy of PAXIL as a treatment for major depressive disorder has been established in 6 placebo-controlled studies of patients with major depressive disorder (aged 18 to 73). In these studies, PAXIL was shown to be significantly more effective than placebo in treating major depressive disorder by at least 2 of the following measures: Hamilton Depression Rating Scale (HDRS), the Hamilton depressed mood item, and the Clinical Global Impression (CGI)-Severity of Illness. PAXIL was significantly better than placebo in improvement of the HDRS sub-factor scores, including the depressed mood item, sleep disturbance factor, and anxiety factor.

A study of outpatients with major depressive disorder who had responded to PAXIL (HDRS total score <8) during an initial 8-week open-treatment phase and were then randomized to continuation on PAXIL or placebo for 1 year demonstrated a significantly lower relapse rate for patients taking PAXIL (15%) compared to those on placebo (39%). Effectiveness was similar for male and female patients.

Obsessive Compulsive Disorder: The effectiveness of PAXIL in the treatment of obsessive compulsive disorder (OCD) was demonstrated in two 12-week multicenter placebo-controlled studies of adult outpatients (Studies 1 and 2). Patients in all studies had moderate to severe OCD (DSM-IIIR) with mean baseline ratings on the Yale Brown Obsessive Compulsive Scale (YBOCS) total score ranging from 23 to 26. Study 1, a dose-range finding study where patients

were treated with fixed doses of 20, 40, or 60 mg of paroxetine/day demonstrated that daily doses of paroxetine 40 and 60 mg are effective in the treatment of OCD. Patients receiving doses of 40 and 60 mg paroxetine experienced a mean reduction of approximately 6 and 7 points, respectively, on the YBOCS total score which was significantly greater than the approximate 4-point reduction at 20 mg and a 3-point reduction in the placebo-treated patients. Study 2 was a flexible-dose study comparing paroxetine (20 to 60 mg daily) with clomipramine (25 to 250 mg daily). In this study, patients receiving paroxetine experienced a mean reduction of approximately 7 points on the YBOCS total score, which was significantly greater than the mean reduction of approximately 4 points in placebo-treated patients.

The following table provides the outcome classification by treatment group on Global Improvement items of the Clinical Global Impression (CGI) scale for Study 1.

Outcome CI		(%) on CGI-Glob ompleters in Stud		Item	
Outcome Classification	Placebo (n = 74)	PAXIL 20 mg (n = 75)	PAXIL 40 mg (n = 66)	PAXIL 60 mg $(n = 66)$	
Worse	14%	7%	7%	3%	
No Change	44%	35%	22%	19%	
Minimally Improved	24%	33%	29%	34%	
Much Improved	11%	18%	22%	24%	
Very Much Improved	7%	7%	20%	20%	

Subgroup analyses did not indicate that there were any differences in treatment outcomes as a function of age or gender.

The long-term maintenance effects of PAXIL in OCD were demonstrated in a long-term extension to Study 1. Patients who were responders on paroxetine during the 3-month double-blind phase and a 6-month extension on open-label paroxetine (20 to 60 mg/day) were randomized to either paroxetine or placebo in a 6-month double-blind relapse prevention phase. Patients randomized to paroxetine were significantly less likely to relapse than comparably treated patients who were randomized to placebo.

Panic Disorder: The effectiveness of PAXIL in the treatment of panic disorder was demonstrated in three 10- to 12-week multicenter, placebo-controlled studies of adult outpatients (Studies 1-3). Patients in all studies had panic disorder (DSM-IIIR), with or without agoraphobia. In these studies, PAXIL was shown to be significantly more effective than placebo in treating panic disorder by at least 2 out of 3 measures of panic attack frequency and on the Clinical Global Impression Severity of Illness score.

Study 1 was a 10-week dose-range finding study; patients were treated with fixed paroxetine doses of 10, 20, or 40 mg/day or placebo. A significant difference from placebo was observed only for the 40 mg/day group. At endpoint, 76% of patients receiving paroxetine 40 mg/day were free of panic attacks, compared to 44% of placebo-treated patients.

Study 2 was a 12-week flexible-dose study comparing paroxetine (10 to 60 mg daily) and placebo. At endpoint, 51% of paroxetine patients were free of panic attacks compared to 32% of placebo-treated patients.

Study 3 was a 12-week flexible-dose study comparing paroxetine (10 to 60 mg daily) to placebo in patients concurrently receiving standardized cognitive behavioral therapy. At endpoint, 33% of the paroxetine-treated patients showed a reduction to 0 or 1 panic attacks compared to 14% of placebo patients.

In both Studies 2 and 3, the mean paroxetine dose for completers at endpoint was approximately 40 mg/day of paroxetine.

Long-term maintenance effects of PAXIL in panic disorder were demonstrated in an extension to Study 1. Patients who were responders during the 10-week double-blind phase and during a 3-month double-blind extension phase were randomized to either paroxetine (10, 20, or 40 mg/day) or placebo in a 3-month double-blind relapse prevention phase. Patients randomized to paroxetine were significantly less likely to relapse than comparably treated patients who were randomized to placebo.

Subgroup analyses did not indicate that there were any differences in treatment outcomes as a function of age or gender.

Social Anxiety Disorder: The effectiveness of PAXIL in the treatment of social anxiety disorder was demonstrated in three 12-week, multicenter, placebo-controlled studies (Studies 1, 2, and 3) of adult outpatients with social anxiety disorder (DSM-IV). In these studies, the effectiveness of PAXIL compared to placebo was evaluated on the basis of (1) the proportion of responders, as defined by a Clinical Global Impression (CGI) Improvement score of 1 (very much improved) or 2 (much improved), and (2) change from baseline in the Liebowitz Social Anxiety Scale (LSAS).

Studies 1 and 2 were flexible-dose studies comparing paroxetine (20 to 50 mg daily) and placebo. Paroxetine demonstrated statistically significant superiority over placebo on both the CGI Improvement responder criterion and the Liebowitz Social Anxiety Scale (LSAS). In Study 1, for patients who completed to week 12, 69% of paroxetine-treated patients compared to 29% of placebo-treated patients were CGI Improvement responders. In Study 2, CGI Improvement responders were 77% and 42% for the paroxetine- and placebo-treated patients, respectively.

Study 3 was a 12-week study comparing fixed paroxetine doses of 20, 40, or 60 mg/day with placebo. Paroxetine 20 mg was demonstrated to be significantly superior to placebo on both the LSAS Total Score and the CGI Improvement responder criterion; there were trends for superiority over placebo for the 40 mg and 60 mg/day dose groups. There was no indication in this study of any additional benefit for doses higher than 20 mg/day.

Subgroup analyses generally did not indicate differences in treatment outcomes as a function of age, race, or gender.

Generalized Anxiety Disorder: The effectiveness of PAXIL in the treatment of Generalized Anxiety Disorder (GAD) was demonstrated in two 8-week, multicenter, placebo-controlled studies (Studies 1 and 2) of adult outpatients with Generalized Anxiety Disorder (DSM-IV).

Study 1 was an 8-week study comparing fixed paroxetine doses of 20 mg or 40 mg/day with placebo. Doses of 20 mg or 40 mg of PAXIL were both demonstrated to be significantly superior to placebo on the Hamilton Rating Scale for Anxiety (HAM-A) total score. There was not sufficient evidence in this study to suggest a greater benefit for the 40 mg/day dose compared to the 20 mg/day dose.

Study 2 was a flexible-dose study comparing paroxetine (20 mg to 50 mg daily) and placebo. PAXIL demonstrated statistically significant superiority over placebo on the Hamilton Rating Scale for Anxiety (HAM-A) total score. A third study, also flexible-dose comparing paroxetine (20 mg to 50 mg daily), did not demonstrate statistically significant superiority of PAXIL over placebo on the Hamilton Rating Scale for Anxiety (HAM-A) total score, the primary outcome.

Subgroup analyses did not indicate differences in treatment outcomes as a function of race or gender. There were insufficient elderly patients to conduct subgroup analyses on the basis of age.

In a longer-term trial, 566 patients meeting DSM-IV criteria for Generalized Anxiety Disorder, who had responded during a single-blind, 8-week acute treatment phase with 20 to 50 mg/day of PAXIL, were randomized to continuation of PAXIL at their same dose, or to placebo, for up to 24 weeks of observation for relapse. Response during the single-blind phase was defined by having a decrease of ≥2 points compared to baseline on the CGI-Severity of Illness scale, to a score of ≤3. Relapse during the double-blind phase was defined as an increase of ≥2 points compared to baseline on the CGI-Severity of Illness scale to a score of ≥4, or withdrawal due to lack of efficacy. Patients receiving continued PAXIL experienced a significantly lower relapse rate over the subsequent 24 weeks compared to those receiving placebo.

Posttraumatic Stress Disorder: The effectiveness of PAXIL in the treatment of Posttraumatic Stress Disorder (PTSD) was demonstrated in two 12-week, multicenter, placebo-controlled studies (Studies 1 and 2) of adult outpatients who met DSM-IV criteria for PTSD. The mean duration of PTSD symptoms for the 2 studies combined was 13 years (ranging from .1 year to 57 years). The percentage of patients with secondary major depressive disorder or non-PTSD anxiety disorders in the combined 2 studies was 41% (356 out of 858 patients) and 40% (345 out of 858 patients), respectively. Study outcome was assessed by (i) the Clinician-Administered PTSD Scale Part 2 (CAPS-2) score and (ii) the Clinical Global Impression-Global Improvement Scale (CGI-I). The CAPS-2 is a multi-item instrument that measures 3 aspects of PTSD with the following symptom clusters: Reexperiencing/intrusion, avoidance/numbing and hyperarousal. The 2 primary outcomes for each trial were (i) change from baseline to endpoint on the CAPS-2 total score (17 items), and (ii) proportion of responders on the CGI-I, where responders were defined as patients having a score of 1 (very much improved) or 2 (much improved).

Study 1 was a 12-week study comparing fixed paroxetine doses of 20 mg or 40 mg/day to placebo. Doses of 20 mg and 40 mg of PAXIL were demonstrated to be significantly superior to

placebo on change from baseline for the CAPS-2 total score and on proportion of responders on the CGI-I. There was not sufficient evidence in this study to suggest a greater benefit for the 40 mg/day dose compared to the 20 mg/day dose.

Study 2 was a 12-week flexible-dose study comparing paroxetine (20 to 50 mg daily) to placebo. PAXIL was demonstrated to be significantly superior to placebo on change from baseline for the CAPS-2 total score and on proportion of responders on the CGI-I.

A third study, also a flexible-dose study comparing paroxetine (20 to 50 mg daily) to placebo, demonstrated PAXIL to be significantly superior to placebo on change from baseline for CAPS-2 total score, but not on proportion of responders on the CGI-I.

The majority of patients in these trials were women (68% women: 377 out of 551 subjects in Study 1 and 66% women: 202 out of 303 subjects in Study 2). Subgroup analyses did not indicate differences in treatment outcomes as a function of gender. There were an insufficient number of patients who were 65 years and older or were non-Caucasian to conduct subgroup analyses on the basis of age or race, respectively.

INDICATIONS AND USAGE

Major Depressive Disorder: PAXIL is indicated for the treatment of major depressive disorder.

The efficacy of PAXIL in the treatment of a major depressive episode was established in 6-week controlled trials of outpatients whose diagnoses corresponded most closely to the DSM-III category of major depressive disorder (see CLINICAL PHARMACOLOGY—Clinical Trials). A major depressive episode implies a prominent and relatively persistent depressed or dysphoric mood that usually interferes with daily functioning (nearly every day for at least 2 weeks); it should include at least 4 of the following 8 symptoms: Change in appetite, change in sleep, psychomotor agitation or retardation, loss of interest in usual activities or decrease in sexual drive, increased fatigue, feelings of guilt or worthlessness, slowed thinking or impaired concentration, and a suicide attempt or suicidal ideation.

The effects of PAXIL in hospitalized depressed patients have not been adequately studied. The efficacy of PAXIL in maintaining a response in major depressive disorder for up to 1 year was demonstrated in a placebo-controlled trial (see CLINICAL PHARMACOLOGY—Clinical Trials). Nevertheless, the physician who elects to use PAXIL for extended periods should periodically re-evaluate the long-term usefulness of the drug for the individual patient.

Obsessive Compulsive Disorder: PAXIL is indicated for the treatment of obsessions and compulsions in patients with obsessive compulsive disorder (OCD) as defined in the DSM-IV. The obsessions or compulsions cause marked distress, are time-consuming, or significantly interfere with social or occupational functioning.

The efficacy of PAXIL was established in two 12-week trials with obsessive compulsive outpatients whose diagnoses corresponded most closely to the DSM-IIIR category of obsessive compulsive disorder (see CLINICAL PHARMACOLOGY—Clinical Trials).

Obsessive compulsive disorder is characterized by recurrent and persistent ideas, thoughts, impulses, or images (obsessions) that are ego-dystonic and/or repetitive, purposeful, and intentional behaviors (compulsions) that are recognized by the person as excessive or unreasonable.

Long-term maintenance of efficacy was demonstrated in a 6-month relapse prevention trial. In this trial, patients assigned to paroxetine showed a lower relapse rate compared to patients on placebo (see CLINICAL PHARMACOLOGY—Clinical Trials). Nevertheless, the physician who elects to use PAXIL for extended periods should periodically re-evaluate the long-term usefulness of the drug for the individual patient (see DOSAGE AND ADMINISTRATION).

Panic Disorder: PAXIL is indicated for the treatment of panic disorder, with or without agoraphobia, as defined in DSM-IV. Panic disorder is characterized by the occurrence of unexpected panic attacks and associated concern about having additional attacks, worry about the implications or consequences of the attacks, and/or a significant change in behavior related to the attacks.

The efficacy of PAXIL was established in three 10- to 12-week trials in panic disorder patients whose diagnoses corresponded to the DSM-IIIR category of panic disorder (see CLINICAL PHARMACOLOGY—Clinical Trials).

Panic disorder (DSM-IV) is characterized by recurrent unexpected panic attacks, i.e., a discrete period of intense fear or discomfort in which 4 (or more) of the following symptoms develop abruptly and reach a peak within 10 minutes: (1) palpitations, pounding heart, or accelerated heart rate; (2) sweating; (3) trembling or shaking; (4) sensations of shortness of breath or smothering; (5) feeling of choking; (6) chest pain or discomfort; (7) nausea or abdominal distress; (8) feeling dizzy, unsteady, lightheaded, or faint; (9) derealization (feelings of unreality) or depersonalization (being detached from oneself); (10) fear of losing control; (11) fear of dying; (12) paresthesias (numbness or tingling sensations); (13) chills or hot flushes.

Long-term maintenance of efficacy was demonstrated in a 3-month relapse prevention trial. In this trial, patients with panic disorder assigned to paroxetine demonstrated a lower relapse rate compared to patients on placebo (see CLINICAL PHARMACOLOGY—Clinical Trials). Nevertheless, the physician who prescribes PAXIL for extended periods should periodically re-evaluate the long-term usefulness of the drug for the individual patient.

Social Anxiety Disorder: PAXIL is indicated for the treatment of social anxiety disorder, also known as social phobia, as defined in DSM-IV (300.23). Social anxiety disorder is characterized by a marked and persistent fear of 1 or more social or performance situations in which the person is exposed to unfamiliar people or to possible scrutiny by others. Exposure to the feared situation almost invariably provokes anxiety, which may approach the intensity of a panic attack. The feared situations are avoided or endured with intense anxiety or distress. The avoidance, anxious anticipation, or distress in the feared situation(s) interferes significantly with the person's normal routine, occupational or academic functioning, or social activities or relationships, or there is marked distress about having the phobias. Lesser degrees of performance anxiety or shyness generally do not require psychopharmacological treatment.

The efficacy of PAXIL was established in three 12-week trials in adult patients with social anxiety disorder (DSM-IV). PAXIL has not been studied in children or adolescents with social phobia (see CLINICAL PHARMACOLOGY—Clinical Trials).

The effectiveness of PAXIL in long-term treatment of social anxiety disorder, i.e., for more than 12 weeks, has not been systematically evaluated in adequate and well-controlled trials. Therefore, the physician who elects to prescribe PAXIL 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: PAXIL is indicated for the treatment of Generalized Anxiety Disorder (GAD), as defined in DSM-IV. Anxiety or tension associated with the stress of everyday life usually does not require treatment with an anxiolytic.

The efficacy of PAXIL in the treatment of GAD was established in two 8-week placebo-controlled trials in adults with GAD. PAXIL has not been studied in children or adolescents with Generalized Anxiety Disorder (see CLINICAL PHARMACOLOGY—Clinical Trials).

Generalized Anxiety Disorder (DSM-IV) is characterized by excessive anxiety and worry (apprehensive expectation) that is persistent for at least 6 months and which the person finds difficult to control. It must be associated with at least 3 of the following 6 symptoms: Restlessness or feeling keyed up or on edge, being easily fatigued, difficulty concentrating or mind going blank, irritability, muscle tension, sleep disturbance.

The efficacy of PAXIL in maintaining a response in patients with Generalized Anxiety Disorder, who responded during an 8-week acute treatment phase while taking PAXIL and were then observed for relapse during a period of up to 24 weeks, was demonstrated in a placebocontrolled trial (see CLINICAL PHARMACOLOGY—Clinical Trials). Nevertheless, the physician who elects to use PAXIL for extended periods should periodically re-evaluate the long-term usefulness of the drug for the individual patient (see DOSAGE AND ADMINISTRATION).

Posttraumatic Stress Disorder: PAXIL is indicated for the treatment of Posttraumatic Stress Disorder (PTSD).

The efficacy of PAXIL in the treatment of PTSD was established in two 12-week placebocontrolled trials in adults with PTSD (DSM-IV) (see CLINICAL PHARMACOLOGY—Clinical Trials).

PTSD, as defined by DSM-IV, requires exposure to a traumatic event that involved actual or threatened death or serious injury, or threat to the physical integrity of self or others, and a response that involves intense fear, helplessness, or horror. Symptoms that occur as a result of exposure to the traumatic event include reexperiencing of the event in the form of intrusive thoughts, flashbacks, or dreams, and intense psychological distress and physiological reactivity on exposure to cues to the event; avoidance of situations reminiscent of the traumatic event, inability to recall details of the event, and/or numbing of general responsiveness manifested as diminished interest in significant activities, estrangement from others, restricted range of affect,

or sense of foreshortened future; and symptoms of autonomic arousal including hypervigilance, exaggerated startle response, sleep disturbance, impaired concentration, and irritability or outbursts of anger. A PTSD diagnosis requires that the symptoms are present for at least a month and that they cause clinically significant distress or impairment in social, occupational, or other important areas of functioning.

The efficacy of PAXIL in longer-term treatment of PTSD, i.e., for more than 12 weeks, has not been systematically evaluated in placebo-controlled trials. Therefore, the physician who elects to prescribe PAXIL for extended periods should periodically re-evaluate the long-term usefulness of the drug for the individual patient (see DOSAGE AND ADMINISTRATION).

CONTRAINDICATIONS

Concomitant use in patients taking either monoamine oxidase inhibitors (MAOIs) or thioridazine is contraindicated (see WARNINGS and PRECAUTIONS).

PAXIL is contraindicated in patients with a hypersensitivity to paroxetine or any of the inactive ingredients in PAXIL.

WARNINGS

Potential for Interaction With Monoamine Oxidase Inhibitors: In patients receiving another serotonin reuptake inhibitor drug in combination with a monoamine oxidase inhibitor (MAOI), there have been reports of serious, sometimes fatal, reactions including hyperthermia, rigidity, myoclonus, autonomic instability with possible rapid fluctuations of vital signs, and mental status changes that include extreme agitation progressing to delirium and coma. These reactions have also been reported in patients who have recently discontinued that drug and have been started on an MAOI. Some cases presented with features resembling neuroleptic malignant syndrome. While there are no human data showing such an interaction with PAXIL, limited animal data on the effects of combined use of paroxetine and MAOIs suggest that these drugs may act synergistically to elevate blood pressure and evoke behavioral excitation. Therefore, it is recommended that PAXIL not be used in combination with an MAOI, or within 14 days of discontinuing treatment with an MAOI. At least 2 weeks should be allowed after stopping PAXIL before starting an MAOI.

Potential Interaction With Thioridazine: Thioridazine administration alone produces prolongation of the QTc interval, which is associated with serious ventricular arrhythmias, such as torsade de pointes—type arrhythmias, and sudden death. This effect appears to be dose related.

An in vivo study suggests that drugs which inhibit P₄₅₀IID₆, such as paroxetine, will elevate plasma levels of thioridazine. Therefore, it is recommended that paroxetine not be used in combination with thioridazine (see CONTRAINDICATIONS and PRECAUTIONS).

Clinical Worsening and Suicide Risk: Patients with major depressive disorder, both adult and pediatric, may experience worsening of their depression and/or the emergence of suicidal

ideation and behavior (suicidality), whether or not they are taking antidepressant medications, and this risk may persist until significant remission occurs. Although there has been a long-standing concern that antidepressants may have a role in inducing worsening of depression and the emergence of suicidality in certain patients, a causal role for antidepressants in inducing such behaviors has not been established. Nevertheless, patients being treated with antidepressants should be observed closely for clinical worsening and suicidality, especially at the beginning of a course of drug therapy, or at the time of dose changes, either increases or decreases. Consideration should be given to changing the therapeutic regimen, including possibly discontinuing the medication, in patients whose depression is persistently worse or whose emergent suicidality is severe, abrupt in onset, or was not part of the patient's presenting symptoms.

Because of the possibility of co-morbidity between major depressive disorder and other psychiatric and nonpsychiatric disorders, the same precautions observed when treating patients with major depressive disorder should be observed when treating patients with other psychiatric and nonpsychiatric disorders.

The following symptoms, anxiety, agitation, panic attacks, insomnia, irritability, hostility (aggressiveness), impulsivity, akathisia (psychomotor restlessness), hypomania, and mania, have been reported in adult and pediatric patients being treated with antidepressants for major depressive disorder as well as for other indications, both psychiatric and nonpsychiatric. Although a causal link between the emergence of such symptoms and either the worsening of depression and/or the emergence of suicidal impulses has not been established, consideration should be given to changing the therapeutic regimen, including possibly discontinuing the medication, in patients for whom such symptoms are severe, abrupt in onset, or were not part of the patient's presenting symptoms.

Families and caregivers of patients being treated with antidepressants for major depressive disorder or other indications, both psychiatric and nonpsychiatric, should be alerted about the need to monitor patients for the emergence of agitation, irritability, and the other symptoms described above, as well as the emergence of suicidality, and to report such symptoms immediately to health care providers. Prescriptions for PAXIL should be written for the smallest quantity of tablets consistent with good patient management, in order to reduce the risk of overdose.

If the decision has been made to discontinue treatment, medication should be tapered, as rapidly as is feasible, but with recognition that abrupt discontinuation can be associated with certain symptoms (see PRECAUTIONS and DOSAGE AND ADMINISTRATION—Discontinuation of Treatment With PAXIL, for a description of the risks of discontinuation of PAXIL).

It should be noted that PAXIL is not approved for use in treating any indications in the pediatric population.

A major depressive episode may be the initial presentation of bipolar disorder. It is generally believed (though not established in controlled trials) that treating such an episode with an

antidepressant alone may increase the likelihood of precipitation of a mixed/manic episode in patients at risk for bipolar disorder. Whether any of the symptoms described above represent such a conversion is unknown. However, prior to initiating treatment with an antidepressant, patients should be adequately screened to determine if they are at risk for bipolar disorder; such screening should include a detailed psychiatric history, including a family history of suicide, bipolar disorder, and depression. It should be noted that PAXIL is not approved for use in treating bipolar depression.

PRECAUTIONS

General: Activation of Mania/Hypomania: During premarketing testing, hypomania or mania occurred in approximately 1.0% of unipolar patients treated with PAXIL compared to 1.1% of active-control and 0.3% of placebo-treated unipolar patients. In a subset of patients classified as bipolar, the rate of manic episodes was 2.2% for PAXIL and 11.6% for the combined active-control groups. As with all drugs effective in the treatment of major depressive disorder, PAXIL should be used cautiously in patients with a history of mania.

Seizures: During premarketing testing, seizures occurred in 0.1% of patients treated with PAXIL, a rate similar to that associated with other drugs effective in the treatment of major depressive disorder. PAXIL should be used cautiously in patients with a history of seizures. It should be discontinued in any patient who develops seizures.

Discontinuation of Treatment With PAXIL: Recent clinical trials supporting the various approved indications for PAXIL employed a taper-phase regimen, rather than an abrupt discontinuation of treatment. The taper-phase regimen used in GAD and PTSD clinical trials involved an incremental decrease in the daily dose by 10 mg/day at weekly intervals. When a daily dose of 20 mg/day was reached, patients were continued on this dose for 1 week before treatment was stopped.

With this regimen in those studies, the following adverse events were reported at an incidence of 2% or greater for PAXIL and were at least twice that reported for placebo: Abnormal dreams, paresthesia, and dizziness. In the majority of patients, these events were mild to moderate and were self-limiting and did not require medical intervention.

During marketing of PAXIL and other SSRIs and SNRIs (serotonin and norepinephrine reuptake inhibitors), there have been spontaneous reports of adverse events occurring, upon the discontinuation of these drugs (particularly when abrupt), including the following: Dysphoric mood, irritability, agitation, dizziness, sensory disturbances (e.g., paresthesias such as electric shock sensations), anxiety, confusion, headache, lethargy, emotional lability, insomnia, and hypomania. While these events are generally self-limiting, there have been reports of serious discontinuation symptoms.

Patients should be monitored for these symptoms when discontinuing treatment with PAXIL. A gradual reduction in the dose rather than abrupt cessation is recommended whenever possible. If intolerable symptoms occur following a decrease in the dose 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 (see DOSAGE AND ADMINISTRATION).

Hyponatremia: Several cases of hyponatremia have been reported. The hyponatremia appeared to be reversible when PAXIL was discontinued. The majority of these occurrences have been in elderly individuals, some in patients taking diuretics or who were otherwise volume depleted.

Abnormal Bleeding: Published case reports have documented the occurrence of bleeding episodes in patients treated with psychotropic agents that interfere with serotonin reuptake. Subsequent epidemiological studies, both of the case-control and cohort design, have demonstrated an association between use of psychotropic drugs that interfere with serotonin reuptake and the occurrence of upper gastrointestinal bleeding. In 2 studies, concurrent use of a nonsteroidal anti-inflammatory drug (NSAID) or aspirin potentiated the risk of bleeding (see Drug Interactions). Although these 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 concomitant use of paroxetine with NSAIDs, aspirin, or other drugs that affect coagulation.

Use in Patients With Concomitant Illness: Clinical experience with PAXIL in patients with certain concomitant systemic illness is limited. Caution is advisable in using PAXIL in patients with diseases or conditions that could affect metabolism or hemodynamic responses.

As with other SSRIs, mydriasis has been infrequently reported in premarketing studies with PAXIL. A few cases of acute angle closure glaucoma associated with paroxetine therapy have been reported in the literature. As mydriasis can cause acute angle closure in patients with narrow angle glaucoma, caution should be used when PAXIL is prescribed for patients with narrow angle glaucoma.

PAXIL has not been evaluated or used to any appreciable extent in patients with a recent history of myocardial infarction or unstable heart disease. Patients with these diagnoses were excluded from clinical studies during the product's premarket testing. Evaluation of electrocardiograms of 682 patients who received PAXIL in double-blind, placebo-controlled trials, however, did not indicate that PAXIL is associated with the development of significant ECG abnormalities. Similarly, PAXIL does not cause any clinically important changes in heart rate or blood pressure.

Increased plasma concentrations of paroxetine occur in patients with severe renal impairment (creatinine clearance <30 mL/min.) or severe hepatic impairment. A lower starting dose should be used in such patients (see DOSAGE AND ADMINISTRATION).

Information for Patients: Physicians are advised to discuss the following issues with patients for whom they prescribe PAXIL:

Patients and their families should be encouraged to be alert to the emergence of anxiety, agitation, panic attacks, insomnia, irritability, hostility, impulsivity, akathisia, hypomania, mania, worsening of depression, and suicidal ideation, especially early during antidepressant treatment.

Such symptoms should be reported to the patient's physician, especially if they are severe, abrupt in onset, or were not part of the patient's presenting symptoms.

Drugs That Interfere With Hemostasis (NSAIDs, Aspirin, Warfarin, etc.): Patients should be cautioned about the concomitant use of paroxetine and NSAIDs, aspirin, or other drugs that affect coagulation since the combined use of psychotropic drugs that interfere with serotonin reuptake and these agents has been associated with an increased risk of bleeding.

Interference With Cognitive and Motor Performance: Any psychoactive drug may impair judgment, thinking, or motor skills. Although in controlled studies PAXIL has not been shown to impair psychomotor performance, patients should be cautioned about operating hazardous machinery, including automobiles, until they are reasonably certain that therapy with PAXIL does not affect their ability to engage in such activities.

Completing Course of Therapy: While patients may notice improvement with treatment with PAXIL in 1 to 4 weeks, they should be advised to continue therapy as directed.

Concomitant Medication: Patients should be advised to inform their physician if they are taking, or plan to take, any prescription or over-the-counter drugs, since there is a potential for interactions.

Alcohol: Although PAXIL has not been shown to increase the impairment of mental and motor skills caused by alcohol, patients should be advised to avoid alcohol while taking PAXIL.

Pregnancy: Patients should be advised to notify their physician if they become pregnant or intend to become pregnant during therapy.

Nursing: Patients should be advised to notify their physician if they are breast-feeding an infant (see PRECAUTIONS—Nursing Mothers).

Laboratory Tests: There are no specific laboratory tests recommended.

Drug Interactions: *Tryptophan:* As with other serotonin reuptake inhibitors, an interaction between paroxetine and tryptophan may occur when they are coadministered. Adverse experiences, consisting primarily of headache, nausea, sweating, and dizziness, have been reported when tryptophan was administered to patients taking PAXIL. Consequently, concomitant use of PAXIL with tryptophan is not recommended.

Monoamine Oxidase Inhibitors: See CONTRAINDICATIONS and WARNINGS. Thioridazine: See CONTRAINDICATIONS and WARNINGS.

Warfarin: Preliminary data suggest that there may be a pharmacodynamic interaction (that causes an increased bleeding diathesis in the face of unaltered prothrombin time) between paroxetine and warfarin. Since there is little clinical experience, the concomitant administration of PAXIL and warfarin should be undertaken with caution (see *Drugs That Interfere With Hemostasis*).

Sumatriptan: There have been rare postmarketing reports describing patients with weakness, hyperreflexia, and incoordination following the use of a selective serotonin reuptake inhibitor (SSRI) and sumatriptan. If concomitant treatment with sumatriptan and an SSRI (e.g., fluoxetine, fluvoxamine, paroxetine, sertraline) is clinically warranted, appropriate observation of the patient is advised.

Drugs Affecting Hepatic Metabolism: The metabolism and pharmacokinetics of paroxetine may be affected by the induction or inhibition of drug-metabolizing enzymes.

Cimetidine: Cimetidine inhibits many cytochrome P₄₅₀ (oxidative) enzymes. In a study where PAXIL (30 mg once daily) was dosed orally for 4 weeks, steady-state plasma concentrations of paroxetine were increased by approximately 50% during coadministration with oral cimetidine (300 mg three times daily) for the final week. Therefore, when these drugs are administered concurrently, dosage adjustment of PAXIL after the 20-mg starting dose should be guided by clinical effect. The effect of paroxetine on cimetidine's pharmacokinetics was not studied.

Phenobarbital: Phenobarbital induces many cytochrome P₄₅₀ (oxidative) enzymes. When a single oral 30-mg dose of PAXIL was administered at phenobarbital steady state (100 mg once daily for 14 days), paroxetine AUC and T_½ were reduced (by an average of 25% and 38%, respectively) compared to paroxetine administered alone. The effect of paroxetine on phenobarbital pharmacokinetics was not studied. Since PAXIL exhibits nonlinear pharmacokinetics, the results of this study may not address the case where the 2 drugs are both being chronically dosed. No initial dosage adjustment of PAXIL is considered necessary when coadministered with phenobarbital; any subsequent adjustment should be guided by clinical effect.

Phenytoin: When a single oral 30-mg dose of PAXIL was administered at phenytoin steady state (300 mg once daily for 14 days), paroxetine AUC and T1/2 were reduced (by an average of 50% and 35%, respectively) compared to PAXIL administered alone. In a separate study, when a single oral 300-mg dose of phenytoin was administered at paroxetine steady state (30 mg once daily for 14 days), phenytoin AUC was slightly reduced (12% on average) compared to phenytoin administered alone. Since both drugs exhibit nonlinear pharmacokinetics, the above studies may not address the case where the 2 drugs are both being chronically dosed. No initial dosage adjustments are considered necessary when these drugs are coadministered; any subsequent adjustments should be guided by clinical effect (see ADVERSE REACTIONS—Postmarketing Reports).

Prugs Metabolized by Cytochrome P₄₅₀IID₆: Many drugs, including most drugs effective in the treatment of major depressive disorder (paroxetine, other SSRIs and many tricyclics), are metabolized by the cytochrome P₄₅₀ isozyme P₄₅₀IID₆. Like other agents that are metabolized by P₄₅₀IID₆, paroxetine may significantly inhibit the activity of this isozyme. In most patients (>90%), this P₄₅₀IID₆ isozyme is saturated early during dosing with PAXIL. In 1 study, daily dosing of PAXIL (20 mg once daily) under steady-state conditions increased single dose desipramine (100 mg) C_{max}, AUC, and T_{1/2} by an average of approximately 2-, 5-, and 3-fold, respectively. Concomitant use of PAXIL with other drugs metabolized by cytochrome P₄₅₀IID₆ has not been formally studied but may require lower doses than usually prescribed for either PAXIL or the other drug.

Therefore, coadministration of PAXIL with other drugs that are metabolized by this isozyme, including certain drugs effective in the treatment of major depressive disorder (e.g., nortriptyline,

amitriptyline, imipramine, desipramine, and fluoxetine), phenothiazines, risperidone, and Type IC antiarrhythmics (e.g., propafenone, flecainide, and encainide), or that inhibit this enzyme (e.g., quinidine), should be approached with caution.

However, due to the risk of serious ventricular arrhythmias and sudden death potentially associated with elevated plasma levels of thioridazine, paroxetine and thioridazine should not be coadministered (see CONTRAINDICATIONS and WARNINGS).

At steady state, when the P₄₅₀IID₆ pathway is essentially saturated, paroxetine clearance is governed by alternative P₄₅₀ isozymes that, unlike P₄₅₀IID₆, show no evidence of saturation (see PRECAUTIONS—*Tricyclic Antidepressants*).

Drugs Metabolized by Cytochrome P₄₅₀IIIA₄: An in vivo interaction study involving the coadministration under steady-state conditions of paroxetine and terfenadine, a substrate for cytochrome P₄₅₀IIIA₄, revealed no effect of paroxetine on terfenadine pharmacokinetics. In addition, in vitro studies have shown ketoconazole, a potent inhibitor of P₄₅₀IIIA₄ activity, to be at least 100 times more potent than paroxetine as an inhibitor of the metabolism of several substrates for this enzyme, including terfenadine, astemizole, cisapride, triazolam, and cyclosporine. Based on the assumption that the relationship between paroxetine's in vitro K_i and its lack of effect on terfenadine's in vivo clearance predicts its effect on other IIIA₄ substrates, paroxetine's extent of inhibition of IIIA₄ activity is not likely to be of clinical significance.

Tricyclic Antidepressants (TCAs): Caution is indicated in the coadministration of tricyclic antidepressants (TCAs) with PAXIL, because paroxetine may inhibit TCA metabolism. Plasma TCA concentrations may need to be monitored, and the dose of TCA may need to be reduced, if a TCA is coadministered with PAXIL (see PRECAUTIONS—Drugs Metabolized by Cytochrome P₄₅₀IID₆).

Drugs Highly Bound to Plasma Protein: Because paroxetine is highly bound to plasma protein, administration of PAXIL to a patient taking another drug that is highly protein bound may cause increased free concentrations of the other drug, potentially resulting in adverse events. Conversely, adverse effects could result from displacement of paroxetine by other highly bound drugs.

Drugs That Interfere With Hemostasis (NSAIDs, Aspirin, Warfarin, etc.):

Serotonin 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 psychotropic drugs that interfere with serotonin reuptake and the occurrence of upper gastrointestinal bleeding have also shown that concurrent use of an NSAID or aspirin potentiated the risk of bleeding. Thus, patients should be cautioned about the use of such drugs concurrently with paroxetine.

Alcohol: Although PAXIL does not increase the impairment of mental and motor skills caused by alcohol, patients should be advised to avoid alcohol while taking PAXIL.

Lithium: A multiple-dose study has shown that there is no pharmacokinetic interaction between PAXIL and lithium carbonate. However, since there is little clinical experience, the concurrent administration of paroxetine and lithium should be undertaken with caution.

Digoxin: The steady-state pharmacokinetics of paroxetine was not altered when administered with digoxin at steady state. Mean digoxin AUC at steady state decreased by 15% in the presence of paroxetine. Since there is little clinical experience, the concurrent administration of paroxetine and digoxin should be undertaken with caution.

Diazepam: Under steady-state conditions, diazepam does not appear to affect paroxetine kinetics. The effects of paroxetine on diazepam were not evaluated.

Procyclidine: Daily oral dosing of PAXIL (30 mg once daily) increased steady-state AUC₀₋₂₄, C_{max}, and C_{min} values of procyclidine (5 mg oral once daily) by 35%, 37%, and 67%, respectively, compared to procyclidine alone at steady state. If anticholinergic effects are seen, the dose of procyclidine should be reduced.

Beta-Blockers: In a study where propranolol (80 mg twice daily) was dosed orally for 18 days, the established steady-state plasma concentrations of propranolol were unaltered during coadministration with PAXIL (30 mg once daily) for the final 10 days. The effects of propranolol on paroxetine have not been evaluated (see ADVERSE REACTIONS—Postmarketing Reports).

Theophylline: Reports of elevated theophylline levels associated with treatment with PAXIL have been reported. While this interaction has not been formally studied, it is recommended that theophylline levels be monitored when these drugs are concurrently administered.

Electroconvulsive Therapy (ECT): There are no clinical studies of the combined use of ECT and PAXIL.

Carcinogenesis, Mutagenesis, Impairment of Fertility: Carcinogenesis: Two-year carcinogenicity studies were conducted in rodents given paroxetine in the diet at 1, 5, and 25 mg/kg/day (mice) and 1, 5, and 20 mg/kg/day (rats). These doses are up to 2.4 (mouse) and 3.9 (rat) times the maximum recommended human dose (MRHD) for major depressive disorder, social anxiety disorder, GAD, and PTSD on a mg/m² basis. Because the MRHD for major depressive disorder is slightly less than that for OCD (50 mg versus 60 mg), the doses used in these carcinogenicity studies were only 2.0 (mouse) and 3.2 (rat) times the MRHD for OCD. There was a significantly greater number of male rats in the high-dose group with reticulum cell sarcomas (1/100, 0/50, 0/50, and 4/50 for control, low-, middle-, and high-dose groups, respectively) and a significantly increased linear trend across dose groups for the occurrence of lymphoreticular tumors in male rats. Female rats were not affected. Although there was a dose-related increase in the number of tumors in mice, there was no drug-related increase in the number of mice with tumors. The relevance of these findings to humans is unknown.

Mutagenesis: Paroxetine produced no genotoxic effects in a battery of 5 in vitro and 2 in vivo assays that included the following: Bacterial mutation assay, mouse lymphoma mutation assay, unscheduled DNA synthesis assay, and tests for cytogenetic aberrations in vivo in mouse bone marrow and in vitro in human lymphocytes and in a dominant lethal test in rats.

Impairment of Fertility: A reduced pregnancy rate was found in reproduction studies in rats at a dose of paroxetine of 15 mg/kg/day, which is 2.9 times the MRHD for major depressive

disorder, social anxiety disorder, GAD, and PTSD or 2.4 times the MRHD for OCD on a mg/m² basis. Irreversible lesions occurred in the reproductive tract of male rats after dosing in toxicity studies for 2 to 52 weeks. These lesions consisted of vacuolation of epididymal tubular epithelium at 50 mg/kg/day and atrophic changes in the seminiferous tubules of the testes with arrested spermatogenesis at 25 mg/kg/day (9.8 and 4.9 times the MRHD for major depressive disorder, social anxiety disorder, and GAD; 8.2 and 4.1 times the MRHD for OCD and PD on a mg/m² basis).

Pregnancy: Teratogenic Effects: Pregnancy Category C. Reproduction studies were performed at doses up to 50 mg/kg/day in rats and 6 mg/kg/day in rabbits administered during organogenesis. These doses are equivalent to 9.7 (rat) and 2.2 (rabbit) times the maximum recommended human dose (MRHD) for major depressive disorder, social anxiety disorder, GAD, and PTSD (50 mg) and 8.1 (rat) and 1.9 (rabbit) times the MRHD for OCD, on an mg/m² basis. These studies have revealed no evidence of teratogenic effects. However, in rats, there was an increase in pup deaths during the first 4 days of lactation when dosing occurred during the last trimester of gestation and continued throughout lactation. This effect occurred at a dose of 1 mg/kg/day or 0.19 times (mg/m²) the MRHD for major depressive disorder, social anxiety disorder, GAD, and PTSD; and at 0.16 times (mg/m²) the MRHD for OCD. The no-effect dose for rat pup mortality was not determined. The cause of these deaths is not known. There are no adequate and well-controlled studies in pregnant women. Because animal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Nonteratogenic Effects: Neonates exposed to PAXIL and other SSRIs or SNRIs, late in the third trimester have developed complications requiring prolonged hospitalization, respiratory support, and tube feeding. Such complications can arise immediately upon delivery. Reported clinical findings have included respiratory distress, cyanosis, apnea, seizures, temperature instability, feeding difficulty, vomiting, hypoglycemia, hypotonia, hypertonia, hyperreflexia, tremor, jitteriness, irritability, and constant crying. These features are consistent with either a direct toxic effect of SSRIs and SNRIs or, possibly, a drug discontinuation syndrome. It should be noted, in some cases, the clinical picture is consistent with serotonin syndrome (see WARNINGS—Potential for Interaction With Monoamine Oxidase Inhibitors). When treating a pregnant woman with paroxetine during the third trimester, the physician should carefully consider the potential risks and benefits of treatment (see DOSAGE AND ADMINISTRATION).

Labor and Delivery: The effect of paroxetine on labor and delivery in humans is unknown.

Nursing Mothers: Like many other drugs, paroxetine is secreted in human milk, and caution should be exercised when PAXIL is administered to a nursing woman.

Pediatric Use: Safety and effectiveness in the pediatric population have not been established (see WARNINGS—Clinical Worsening and Suicide Risk).

Geriatric Use: In worldwide premarketing clinical trials with PAXIL, 17% of patients treated with PAXIL (approximately 700) were 65 years of age or older. Pharmacokinetic studies

revealed a decreased clearance in the elderly, and a lower starting dose is recommended; there were, however, no overall differences in the adverse event profile between elderly and younger patients, and effectiveness was similar in younger and older patients (see CLINICAL PHARMACOLOGY and DOSAGE AND ADMINISTRATION).

ADVERSE REACTIONS

Associated With Discontinuation of Treatment: Twenty percent (1,199/6,145) of patients treated with PAXIL in worldwide clinical trials in major depressive disorder and 16.1% (84/522), 11.8% (64/542), 9.4% (44/469), 10.7% (79/735), and 11.7% (79/676) of patients treated with PAXIL in worldwide trials in social anxiety disorder, OCD, panic disorder, GAD, and PTSD, respectively, discontinued treatment due to an adverse event. The most common events (≥1%) associated with discontinuation and considered to be drug related (i.e., those events associated with dropout at a rate approximately twice or greater for PAXIL compared to placebo) included the following:

	Depr	ajor ressive order	0	CD	Panic I	Disorder		Anxiety order		ralized Disorder	PT	SD
	PAXIL	Placebo	PAXIL	Placebo	PAXIL	Placebo	PAXIL	Placebo	PAXIL	Placebo	PAXIL	Placebo
CNS												
Somnolence	2.3%	0.7%			1.9%	0.3%	3.4%	0.3%	2.0%	0.2%	2.8%	0.6%
Insomnia		_	1.7%	0%	1.3%	0.3%	3.1%	0%				
Agitation	1.1%	0.5%									-	_
Tremor	1.1%	0.3%					1.7%	0%			1.0%	0.2%
Anxiety	_		-				1.1%	0%			_	-
Dizziness		-	1.5%	0%			1.9%	0%	1.0%	0.2%	_	_
Gastroin- testinal												
Constipation	_		1.1%	0%							-	_
Nausca	3.2%	1.1%	1.9%	0%	3.2%	1.2%	4.0%	0.3%	2.0%	0.2%	2.2%	0.6%
Diarrhea	1.0%	0.3%										
Dry mouth	1.0%	0.3%	_								(manual)	-
Vomiting	1.0%	0.3%					1.0%	0%			_	
Flatulence							1.0%	0.3%			-	-
Other												
Asthenia	1.6%	0.4%	1.9%	0.4%			2.5%	0.6%	1.8%	0.2%	1.6%	0.2%
Abnormal												
ejaculation1	1.6%	0%	2.1%	0%			4.9%	0.6%	2.5%	0.5%	-	
Sweating	1.0%	0.3%					1.1%	0%	1.1%	0.2%	_	_
Impotence ¹	_		1.5%	0%							_	
Libido												
Decreased							1.0%	0%			-	

Where numbers are not provided the incidence of the adverse events in patients treated with PAXIL was not >1% or was not greater than or equal to 2 times the incidence of placebo.

Commonly Observed Adverse Events: Major Depressive Disorder: The most commonly observed adverse events associated with the use of paroxetine (incidence of 5% or greater and incidence for PAXIL at least twice that for placebo, derived from Table 1) were: Asthenia, sweating, nausea, decreased appetite, somnolence, dizziness, insomnia, tremor, nervousness, ejaculatory disturbance, and other male genital disorders.

Obsessive Compulsive Disorder: The most commonly observed adverse events associated with the use of paroxetine (incidence of 5% or greater and incidence for PAXIL at least twice that of placebo, derived from Table 2) were: Nausea, dry mouth, decreased appetite, constipation, dizziness, somnolence, tremor, sweating, impotence, and abnormal ejaculation.

Panic Disorder: The most commonly observed adverse events associated with the use of paroxetine (incidence of 5% or greater and incidence for PAXIL at least twice that for placebo, derived from Table 2) were: Asthenia, sweating, decreased appetite, libido decreased, tremor, abnormal ejaculation, female genital disorders, and impotence.

^{1.} Incidence corrected for gender.

Social Anxiety Disorder: The most commonly observed adverse events associated with the use of paroxetine (incidence of 5% or greater and incidence for PAXIL at least twice that for placebo, derived from Table 2) were: Sweating, nausea, dry mouth, constipation, decreased appetite, somnolence, tremor, libido decreased, yawn, abnormal ejaculation, female genital disorders, and impotence.

Generalized Anxiety Disorder: The most commonly observed adverse events associated with the use of paroxetine (incidence of 5% or greater and incidence for PAXIL at least twice that for placebo, derived from Table 3) were: Asthenia, infection, constipation, decreased appetite, dry mouth, nausea, libido decreased, somnolence, tremor, sweating, and abnormal ejaculation.

Posttraumatic Stress Disorder: The most commonly observed adverse events associated with the use of paroxetine (incidence of 5% or greater and incidence for PAXIL at least twice that for placebo, derived from Table 3) were: Asthenia, sweating, nausea, dry mouth, diarrhea, decreased appetite, somnolence, libido decreased, abnormal ejaculation, female genital disorders, and impotence.

Incidence in Controlled Clinical Trials: The prescriber should be aware that the figures in the tables following cannot be used to predict the incidence of side effects in the course of usual medical practice where patient characteristics and other factors differ from those that prevailed in the clinical trials. Similarly, the cited frequencies cannot be compared with figures obtained from other clinical investigations involving different treatments, uses, and investigators. The cited figures, however, do provide the prescribing physician with some basis for estimating the relative contribution of drug and nondrug factors to the side effect incidence rate in the populations studied.

Major Depressive Disorder: Table 1 enumerates adverse events that occurred at an incidence of 1% or more among paroxetine-treated patients who participated in short-term (6-week) placebo-controlled trials in which patients were dosed in a range of 20 mg to 50 mg/day. Reported adverse events were classified using a standard COSTART-based Dictionary terminology.

Table 1. Treatment-Emergent Adverse Experience Incidence in Placebo-Controlled

Clinical Trials for Major Depressive Disorder1

Body System	Preferred Term	PAXIL	Placebo	
		(n = 421)	(n = 421)	
Body as a Whole	Headache	18%	17%	
COND # 122000 1220000	Asthenia	15%	6%	
Cardiovascular	Palpitation	3%	1%	
	Vasodilation	3%	1%	
Dermatologic	Sweating	11%	2%	
	Rash	2%	1%	
Gastrointestinal	Nausea	26%	9%	
	Dry Mouth	18%	12%	
	Constipation	14%	9%	
	Diarrhea	12%	8%	
	Decreased Appetite	6%	2%	
	Flatulence	4%	2%	
	Oropharynx Disorder ²	2%	0%	
	Dyspepsia	2%	1%	
Musculoskeletal	Myopathy	2%	1%	
	Myalgia	2%	1%	
	Myasthenia	1%	0%	
Nervous System	Somnolence	23%	9%	
20 CONTRACTOR OF A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dizziness	13%	6%	
	Insomnia	13%	6%	
	Tremor	8%	2%	
	Nervousness	5%	3%	
	Anxiety	5%	3%	
	Paresthesia	4%	2%	
	Libido Decreased	3%	0%	
	Drugged Feeling	2%	1%	
	Confusion	1%	0%	
Respiration	Yawn	4%	0%	
Special Senses	Blurred Vision	4%	1%	
	Taste Perversion	2%	0%	
Urogenital System	Ejaculatory Disturbance ^{3,4}	13%	0%	
	Other Male Genital Disorders3,5	10%	0%	
	Urinary Frequency	3%	1%	
	Urination Disorder ⁶	3%	0%	
	Female Genital Disorders ^{3,7}	2%	0%	

Events reported by at least 1% of patients treated with PAXIL are included, except the
following events which had an incidence on placebo ≥ PAXIL: Abdominal pain, agitation,
back pain, chest pain, CNS stimulation, fever, increased appetite, myoclonus, pharyngitis,
postural hypotension, respiratory disorder (includes mostly "cold symptoms" or "URI"),
trauma, and vomiting.

^{2.} Includes mostly "lump in throat" and "tightness in throat."

^{3.} Percentage corrected for gender.

- Mostly "ejaculatory delay."
- Includes "anorgasmia," "erectile difficulties," "delayed ejaculation/orgasm," and "sexual dysfunction," and "impotence."
- 6. Includes mostly "difficulty with micturition" and "urinary hesitancy."
- 7. Includes mostly "anorgasmia" and "difficulty reaching climax/orgasm."

Obsessive Compulsive Disorder, Panic Disorder, and Social Anxiety Disorder:

Table 2 enumerates adverse events that occurred at a frequency of 2% or more among OCD patients on PAXIL who participated in placebo-controlled trials of 12-weeks duration in which patients were dosed in a range of 20 mg to 60 mg/day or among patients with panic disorder on PAXIL who participated in placebo-controlled trials of 10- to 12-weeks duration in which patients were dosed in a range of 10 mg to 60 mg/day or among patients with social anxiety disorder on PAXIL who participated in placebo-controlled trials of 12-weeks duration in which patients were dosed in a range of 20 mg to 50 mg/day.

Table 2. Treatment-Emergent Adverse Experience Incidence in Placebo-Controlled Clinical Trials for Obsessive Compulsive Disorder, Panic Disorder, and Social Anxiety Disorder¹

		Obsessive Compulsive		F1.60	nic order	Social Anxiety Disorder	
Body System	Preferred Term	Diso PAXIL (n = 542)	Placebo (n = 265)	PAXIL (n = 469)	Placebo (n = 324)	PAXIL (n = 425)	Placebo (n = 339
Body as a Whole	Asthenia	22%	14%	14%	5%	22%	14%
	Abdominal Pain		_	4%	3%		-
	Chest Pain	3%	2%				_
	Back Pain			3%	2%	_	
	Chills	2%	1%	2%	1%	_	_
	Trauma	_		****	_	3%	1%
Cardiovascular	Vasodilation	4%	1%				
	Palpitation	2%	0%	-	***		-
Dermatologic	Sweating	9%	3%	14%	6%	9%	2%
	Rash	3%	2%	-	-		
Gastrointestinal	Nausea	23%	10%	23%	17%	25%	7%
	Dry Mouth	18%	9%	18%	11%	9%	3%
	Constipation	16%	6%	8%	5%	5%	2%
	Diarrhea	10%	10%	12%	7%	9%	6%
	Decreased						
	Appetite	9%	3%	7%	3%	8%	2%
	Dyspepsia	-	-			4%	2%
	Flatulence		_		_	4%	2%
	Increased						
	Appetite	4%	3%	2%	1%	_	-
	Vomiting	_			_	2%	1%

		Obsessive Compulsive		Panic Disorder		Social Anxiety Disorder	
		Disor		Distri	dei	1301	dei
Musculoskeletal	Myalgia					4%	3%
Nervous System	Insomnia	24%	13%	18%	10%	21%	16%
Nervous System	Somnolence	24%	7%	19%	11%	22%	5%
	Dizziness	12%	6%	14%	10%	11%	7%
	Tremor	11%	1%	9%	1%	9%	1%
	Nervousness	9%	8%		_	8%	7%
	Libido Decreased	7%	4%	9%	1%	12%	1%
	Agitation		_	5%	4%	3%	1%
	Anxiety			5%	4%	5%	4%
	Abnormal			5.00			
	Dreams	4%	1%				_
	Concentration		3.55				
	Impaired	3%	2%			4%	1%
	Depersonalization	3%	0%	-		-	_
	Myoclonus	3%	0%	3%	2%	2%	1%
	Amnesia	2%	1%	-	_		
Respiratory System	Rhinitis	_		3%	0%	-	_
	Pharyngitis	_				4%	2%
	Yawn					5%	1%
Special Senses	Abnormal Vision	4%	2%			4%	1%
	Taste Perversion	2%	0%	_		-	_
Urogenital System	Abnormal						
	Ejaculation ²	23%	1%	21%	1%	28%	1%
	Dysmenorrhea	-			_	5%	4%
	Female Genital						
	Disorder ²	3%	0%	9%	1%	9%	1%
	Impotence ²	8%	1%	5%	0%	5%	1%
	Urinary						
	Frequency	3%	1%	2%	0%		_
	Urination						
	Impaired	3%	0%	_	_		_
	Urinary Tract						
	Infection	2%	1%	2%	1%		-

^{1.} Events reported by at least 2% of OCD, panic disorder, and social anxiety disorder in patients treated with PAXIL are included, except the following events which had an incidence on placebo ≥PAXIL: [OCD]: Abdominal pain, agitation, anxiety, back pain, cough increased, depression, headache, hyperkinesia, infection, paresthesia, pharyngitis, respiratory disorder, rhinitis, and sinusitis. [panic disorder]: Abnormal dreams, abnormal vision, chest pain, cough increased, depersonalization, depression, dysmenorrhea, dyspepsia, flu syndrome, headache, infection, myalgia, nervousness, palpitation, paresthesia, pharyngitis, rash, respiratory disorder, sinusitis, taste perversion, trauma, urination impaired, and vasodilation. [social anxiety disorder]: Abdominal pain, depression, headache, infection, respiratory disorder, and sinusitis.

^{2.} Percentage corrected for gender.

Generalized Anxiety Disorder and Posttraumatic Stress Disorder: Table 3 enumerates adverse events that occurred at a frequency of 2% or more among GAD patients on PAXIL who participated in placebo-controlled trials of 8-weeks duration in which patients were dosed in a range of 10 mg/day to 50 mg/day or among PTSD patients on PAXIL who participated in placebo-controlled trials of 12-weeks duration in which patients were dosed in a range of 20 mg/day to 50 mg/day.

Table 3. Treatment-Emergent Adverse Experience Incidence in Placebo-Controlled
Clinical Trials for Generalized Anxiety Disorder and Posttraumatic Stress Disorder

	Preferred Term		ed Anxiety rder	Posttraumatic Stress Posttraumatic Stress Disorder	
Body System		PAXIL	Placebo	PAXIL	Placebo
		(n = 735)	(n = 529)	(n = 676)	(n = 504)
Body as a Whole	Asthenia	14%	6%	12%	4%
	Headache	17%	14%	_	_
	Infection	6%	3%	5%	4%
	Abdominal Pain			4%	3%
	Trauma			6%	5%
Cardiovascular	Vasodilation	3%	1%	2%	1%
Dermatologic	Sweating	6%	2%	5%	1%
Gastrointestinal	Nausea	20%	5%	19%	8%
Cusuomiesimi	Dry Mouth	11%	5%	10%	5%
	Constipation	10%	2%	5%	3%
	Diarrhea	9%	7%	11%	5%
	Decreased Appetite	5%	1%	6%	3%
	Vomiting	3%	2%	3%	2%
	Dyspepsia	_	_	5%	3%
Nervous System	Insomnia	11%	8%	12%	11%
11011000 0,01011	Somnolence	15%	5%	16%	5%
	Dizziness	6%	5%	6%	5%
	Tremor	5%	1%	4%	1%
	Nervousness	4%	3%	-	_
	Libido Decreased	9%	2%	5%	2%
	Abnormal Dreams			3%	2%
Respiratory System	Respiratory Disorder	7%	5%	-	_
System	Sinusitis	4%	3%	-	_
	Yawn	4%	_	2%	<1%
Special Senses	Abnormal Vision	2%	1%	3%	1%
Urogenital	Abnormal	25%	2%	13%	2%
System	Ejaculation ²				
•	Female Genital	4%	1%	5%	1%
	Disorder 2				
	Impotence ²	4%	3%	9%	1%

Events reported by at least 2% of GAD and PTSD in patients treated with PAXIL are included, except the
following events which had an incidence on placebo ≥PAXIL [GAD]: Abdominal pain, back pain, trauma,
dyspepsia, myalgia, and pharyngitis. [PTSD]: Back pain, headache, anxiety, depression, nervousness, respiratory
disorder, pharyngitis, and sinusitis.

^{2.} Percentage corrected for gender.

Dose Dependency of Adverse Events: A comparison of adverse event rates in a fixed-dose study comparing 10, 20, 30, and 40 mg/day of PAXIL with placebo in the treatment of major depressive disorder revealed a clear dose dependency for some of the more common adverse events associated with use of PAXIL, as shown in the following table:

Table 4. Treatment-Emergent Adverse Experience Incidence in a Dose-Comparison Trial

in the Treatment of Major Depressive Disorder*

	Placebo		PAXIL			
		10 mg	20 mg	30 mg	40 mg	
Body System/Preferred Term	n = 51	n = 102	n = 104	n = 101	n = 102	
Body as a Whole						
Asthenia	0.0%	2.9%	10.6%	13.9%	12.7%	
Dermatology						
Sweating	2.0%	1.0%	6.7%	8.9%	11.8%	
Gastrointestinal						
Constipation	5.9%	4.9%	7.7%	9.9%	12.7%	
Decreased Appetite	2.0%	2.0%	5.8%	4.0%	4.9%	
Diarrhea	7.8%	9.8%	19.2%	7.9%	14.7%	
Dry Mouth	2.0%	10.8%	18.3%	15.8%	20.6%	
Nausea	13.7%	14.7%	26.9%	34.7%	36.3%	
Nervous System						
Anxiety	0.0%	2.0%	5.8%	5.9%	5.9%	
Dizziness	3.9%	6.9%	6.7%	8.9%	12.7%	
Nervousness	0.0%	5.9%	5.8%	4.0%	2.9%	
Paresthesia	0.0%	2.9%	1.0%	5.0%	5.9%	
Somnolence	7.8%	12.7%	18.3%	20.8%	21.6%	
Tremor	0.0%	0.0%	7.7%	7.9%	14.7%	
Special Senses						
Blurred Vision	2.0%	2.9%	2.9%	2.0%	7.8%	
Urogenital System						
Abnormal Ejaculation	0.0%	5.8%	6.5%	10.6%	13.0%	
Impotence	0.0%	1.9%	4.3%	6.4%	1.9%	
Male Genital Disorders	0.0%	3.8%	8.7%	6.4%	3.7%	

^{*} Rule for including adverse events in table: Incidence at least 5% for 1 of paroxetine groups and ≥ twice the placebo incidence for at least 1 paroxetine group.

In a fixed-dose study comparing placebo and 20, 40, and 60 mg of PAXIL in the treatment of OCD, there was no clear relationship between adverse events and the dose of PAXIL to which patients were assigned. No new adverse events were observed in the group treated with 60 mg of PAXIL compared to any of the other treatment groups.

In a fixed-dose study comparing placebo and 10, 20, and 40 mg of PAXIL in the treatment of panic disorder, there was no clear relationship between adverse events and the dose of PAXIL to

which patients were assigned, except for asthenia, dry mouth, anxiety, libido decreased, tremor, and abnormal ejaculation. In flexible-dose studies, no new adverse events were observed in patients receiving 60 mg of PAXIL compared to any of the other treatment groups.

In a fixed-dose study comparing placebo and 20, 40, and 60 mg of PAXIL in the treatment of social anxiety disorder, for most of the adverse events, there was no clear relationship between adverse events and the dose of PAXIL to which patients were assigned.

In a fixed-dose study comparing placebo and 20 and 40 mg of PAXIL in the treatment of generalized anxiety disorder, for most of the adverse events, there was no clear relationship between adverse events and the dose of PAXIL to which patients were assigned, except for the following adverse events: Asthenia, constipation, and abnormal ejaculation.

In a fixed-dose study comparing placebo and 20 and 40 mg of PAXIL in the treatment of posttraumatic stress disorder, for most of the adverse events, there was no clear relationship between adverse events and the dose of PAXIL to which patients were assigned, except for impotence and abnormal ejaculation.

Adaptation to Certain Adverse Events: Over a 4- to 6-week period, there was evidence of adaptation to some adverse events with continued therapy (e.g., nausea and dizziness), but less to other effects (e.g., dry mouth, somnolence, and asthenia).

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 suggests that selective serotonin reuptake inhibitors (SSRIs) can cause such untoward sexual experiences.

Reliable estimates of the incidence and severity of untoward 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 untoward sexual experience and performance cited in product labeling, are likely to underestimate their actual incidence.

In placebo-controlled clinical trials involving more than 3,200 patients, the ranges for the reported incidence of sexual side effects in males and females with major depressive disorder, OCD, panic disorder, social anxiety disorder, GAD, and PTSD are displayed in Table 5.

Table 5. Incidence of Sexual Adverse Events in Controlled Clinical Trials

	PAXIL	Placebo
n (males)	1446	1042
Decreased Libido	6-15%	0-5%
Ejaculatory Disturbance	13-28%	0-2%
Impotence	2-9%	0-3%
n (females)	1822	1340
Decreased Libido	0-9%	0-2%
Orgasmic Disturbance	2-9%	0-1%

There are no adequate and well-controlled studies examining sexual dysfunction with paroxetine treatment.

Paroxetine treatment has been associated with several cases of priapism. In those cases with a known outcome, patients recovered without sequelae.

While it is difficult to know the precise risk of sexual dysfunction associated with the use of SSRIs, physicians should routinely inquire about such possible side effects.

Weight and Vital Sign Changes: Significant weight loss may be an undesirable result of treatment with PAXIL for some patients but, on average, patients in controlled trials had minimal (about 1 pound) weight loss versus smaller changes on placebo and active control. No significant changes in vital signs (systolic and diastolic blood pressure, pulse and temperature) were observed in patients treated with PAXIL in controlled clinical trials.

ECG Changes: In an analysis of ECGs obtained in 682 patients treated with PAXIL and 415 patients treated with placebo in controlled clinical trials, no clinically significant changes were seen in the ECGs of either group.

Liver Function Tests: In placebo-controlled clinical trials, patients treated with PAXIL exhibited abnormal values on liver function tests at no greater rate than that seen in placebo-treated patients. In particular, the PAXIL-versus-placebo comparisons for alkaline phosphatase, SGOT, SGPT, and bilirubin revealed no differences in the percentage of patients with marked abnormalities.

Other Events Observed During the Premarketing Evaluation of PAXIL: During its premarketing assessment in major depressive disorder, multiple doses of PAXIL were administered to 6,145 patients in phase 2 and 3 studies. The conditions and duration of exposure to PAXIL varied greatly and included (in overlapping categories) open and double-blind studies, uncontrolled and controlled studies, inpatient and outpatient studies, and fixed-dose, and titration studies. During premarketing clinical trials in OCD, panic disorder, social anxiety disorder, generalized anxiety disorder, and posttraumatic stress disorder, 542, 469, 522, 735, and 676 patients, respectively, received multiple doses of PAXIL. Untoward events associated with this exposure were recorded by clinical investigators using terminology of their own choosing. Consequently, it is not possible to provide a meaningful estimate of the proportion of individuals experiencing adverse events without first grouping similar types of untoward events into a smaller number of standardized event categories.

In the tabulations that follow, reported adverse events were classified using a standard COSTART-based Dictionary terminology. The frequencies presented, therefore, represent the proportion of the 9,089 patients exposed to multiple doses of PAXIL who experienced an event of the type cited on at least 1 occasion while receiving PAXIL. All reported events are included except those already listed in Tables 1 to 3, those reported in terms so general as to be uninformative and those events where a drug cause was remote. It is important to emphasize that although the events reported occurred during treatment with paroxetine, they were not necessarily caused by it.

Events are further categorized by body system and listed in order of decreasing frequency according to the following definitions: Frequent adverse events are those occurring on 1 or more occasions in at least 1/100 patients (only those not already listed in the tabulated results from placebo-controlled trials appear in this listing); infrequent adverse events are those occurring in 1/100 to 1/1,000 patients; rare events are those occurring in fewer than 1/1,000 patients. Events of major clinical importance are also described in the PRECAUTIONS section.

Body as a Whole: Infrequent: Allergic reaction, chills, face edema, malaise, neck pain; rare: Adrenergic syndrome, cellulitis, moniliasis, neck rigidity, pelvic pain, peritonitis, sepsis, ulcer.

Cardiovascular System: Frequent: Hypertension, tachycardia; infrequent: Bradycardia, hematoma, hypotension, migraine, syncope; rare: Angina pectoris, arrhythmia nodal, atrial fibrillation, bundle branch block, cerebral ischemia, cerebrovascular accident, congestive heart failure, heart block, low cardiac output, myocardial infarct, myocardial ischemia, pallor, phlebitis, pulmonary embolus, supraventricular extrasystoles, thrombophlebitis, thrombosis, varicose vein, vascular headache, ventricular extrasystoles.

Digestive System: Infrequent: Bruxism, colitis, dysphagia, eructation, gastritis, gastroenteritis, gingivitis, glossitis, increased salivation, liver function tests abnormal, rectal hemorrhage, ulcerative stomatitis; rare: Aphthous stomatitis, bloody diarrhea, bulimia, cardiospasm, cholelithiasis, duodenitis, enteritis, esophagitis, fecal impactions, fecal incontinence, gum hemorrhage, hematemesis, hepatitis, ileitis, ileus, intestinal obstruction, jaundice, melena, mouth ulceration, peptic ulcer, salivary gland enlargement, sialadenitis, stomach ulcer, stomatitis, tongue discoloration, tongue edema, tooth caries.

Endocrine System: Rare: Diabetes mellitus, goiter, hyperthyroidism, hypothyroidism, thyroiditis.

Hemic and Lymphatic Systems: Infrequent: Anemia, leukopenia, lymphadenopathy, purpura; rare: Abnormal erythrocytes, basophilia, bleeding time increased, eosinophilia, hypochromic anemia, iron deficiency anemia, leukocytosis, lymphedema, abnormal lymphocytes, lymphocytosis, microcytic anemia, monocytosis, normocytic anemia, thrombocytopenia.

Metabolic and Nutritional: Frequent: Weight gain; infrequent: Edema, peripheral edema, SGOT increased, SGPT increased, thirst, weight loss; rare: Alkaline phosphatase increased, bilirubinemia, BUN increased, creatinine phosphokinase increased, dehydration, gamma globulins increased, gout, hypercalcemia, hypercholesteremia, hyperglycemia, hyperkalemia, hyperphosphatemia, hypocalcemia, hypoglycemia, hypokalemia, hyponatremia, ketosis, lactic dehydrogenase increased, non-protein nitrogen (NPN) increased.

Musculoskeletal System: Frequent: Arthralgia; infrequent: Arthritis, arthrosis; rare: Bursitis, myositis, osteoporosis, generalized spasm, tenosynovitis, tetany.

Nervous System: Frequent: Emotional lability, vertigo; infrequent: Abnormal thinking, alcohol abuse, ataxia, dystonia, dyskinesia, euphoria, hallucinations, hostility, hypertonia, hypesthesia, hypokinesia, incoordination, lack of emotion, libido increased, manic reaction,

neurosis, paralysis, paranoid reaction; rare: Abnormal gait, akinesia, antisocial reaction, aphasia, choreoathetosis, circumoral paresthesias, convulsion, delirium, delusions, diplopia, drug dependence, dysarthria, extrapyramidal syndrome, fasciculations, grand mal convulsion, hyperalgesia, hysteria, manic-depressive reaction, meningitis, myelitis, neuralgia, neuropathy, nystagmus, peripheral neuritis, psychotic depression, psychosis, reflexes decreased, reflexes increased, stupor, torticollis, trismus, withdrawal syndrome.

Respiratory System: Infrequent: Asthma, bronchitis, dyspnea, epistaxis, hyperventilation, pneumonia, respiratory flu; rare: Emphysema, hemoptysis, hiccups, lung fibrosis, pulmonary edema, sputum increased, stridor, voice alteration.

Skin and Appendages: Frequent: Pruritus; infrequent: Acne, alopecia, contact dermatitis, dry skin, ecchymosis, eczema, herpes simplex, photosensitivity, urticaria; rare: Angioedema, erythema nodosum, erythema multiforme, exfoliative dermatitis, fungal dermatitis, furunculosis; herpes zoster, hirsutism, maculopapular rash, seborrhea, skin discoloration, skin hypertrophy, skin ulcer, sweating decreased, vesiculobullous rash.

Special Senses: Frequent: Tinnitus; infrequent: Abnormality of accommodation, conjunctivitis, ear pain, eye pain, keratoconjunctivitis, mydriasis, otitis media; rare: Amblyopia, anisocoria, blepharitis, cataract, conjunctival edema, corneal ulcer, deafness, exophthalmos, eye hemorrhage, glaucoma, hyperacusis, night blindness, otitis externa, parosmia, photophobia, ptosis, retinal hemorrhage, taste loss, visual field defect.

Urogenital System: Infrequent: Amenorrhea, breast pain, cystitis, dysuria, hematuria, menorrhagia, nocturia, polyuria, pyuria, urinary incontinence, urinary retention, urinary urgency, vaginitis; rare: Abortion, breast atrophy, breast enlargement, endometrial disorder, epididymitis, female lactation, fibrocystic breast, kidney calculus, kidney pain, leukorrhea, mastitis, metrorrhagia, nephritis, oliguria, salpingitis, urethritis, urinary casts, uterine spasm, urolith, vaginal hemorrhage, vaginal moniliasis.

Postmarketing Reports: Voluntary reports of adverse events in patients taking PAXIL that have been received since market introduction and not listed above that may have no causal relationship with the drug include acute pancreatitis, elevated liver function tests (the most severe cases were deaths due to liver necrosis, and grossly elevated transaminases associated with severe liver dysfunction), Guillain-Barré syndrome, toxic epidermal necrolysis, priapism, syndrome of inappropriate ADH secretion, symptoms suggestive of prolactinemia and galactorrhea, neuroleptic malignant syndrome—like events; extrapyramidal symptoms which have included akathisia, bradykinesia, cogwheel rigidity, dystonia, hypertonia, oculogyric crisis which has been associated with concomitant use of pimozide; tremor and trismus; serotonin syndrome, associated in some cases with concomitant use of serotonergic drugs and with drugs which may have impaired metabolism of PAXIL (symptoms have included agitation, confusion, diaphoresis, hallucinations, hyperreflexia, myoclonus, shivering, tachycardia, and tremor), status epilepticus, acute renal failure, pulmonary hypertension, allergic alveolitis, anaphylaxis, eclampsia, laryngismus, optic neuritis, porphyria, ventricular fibrillation, ventricular tachycardia (including torsade de pointes), thrombocytopenia, hemolytic anemia, events related to impaired

hematopoiesis (including aplastic anemia, pancytopenia, bone marrow aplasia, and agranulocytosis), and vasculitic syndromes (such as Henoch-Schönlein purpura). There has been a case report of an elevated phenytoin level after 4 weeks of PAXIL and phenytoin coadministration. There has been a case report of severe hypotension when PAXIL was added to chronic metoprolol treatment.

DRUG ABUSE AND DEPENDENCE

Controlled Substance Class: PAXIL is not a controlled substance.

Physical and Psychologic Dependence: PAXIL has not been systematically studied in animals or humans for its potential for abuse, tolerance or physical dependence. While the clinical trials did not reveal any tendency for any drug-seeking behavior, these 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, patients should be evaluated carefully for history of drug abuse, and such patients should be observed closely for signs of misuse or abuse of PAXIL (e.g., development of tolerance, incrementations of dose, drug-seeking behavior).

OVERDOSAGE

Human Experience: Since the introduction of PAXIL in the United States, 342 spontaneous cases of deliberate or accidental overdosage during paroxetine treatment have been reported worldwide (circa 1999). These include overdoses with paroxetine alone and in combination with other substances. Of these, 48 cases were fatal and of the fatalities, 17 appeared to involve paroxetine alone. Eight fatal cases that documented the amount of paroxetine ingested were generally confounded by the ingestion of other drugs or alcohol or the presence of significant comorbid conditions. Of 145 non-fatal cases with known outcome, most recovered without sequelae. The largest known ingestion involved 2,000 mg of paroxetine (33 times the maximum recommended daily dose) in a patient who recovered.

Commonly reported adverse events associated with paroxetine overdosage include somnolence, coma, nausea, tremor, tachycardia, confusion, vomiting, and dizziness. Other notable signs and symptoms observed with overdoses involving paroxetine (alone or with other substances) include mydriasis, convulsions (including status epilepticus), ventricular dysrhythmias (including torsade de pointes), hypertension, aggressive reactions, syncope, hypotension, stupor, bradycardia, dystonia, rhabdomyolysis, symptoms of hepatic dysfunction (including hepatic failure, hepatic necrosis, jaundice, hepatitis, and hepatic steatosis), serotonin syndrome, manic reactions, myoclonus, acute renal failure, and urinary retention.

Overdosage Management: Treatment should consist of those general measures employed in the management of overdosage with any drugs effective in the treatment of major depressive disorder.

Ensure an adequate airway, oxygenation, and ventilation. Monitor cardiac rhythm and vital signs. General supportive and symptomatic measures are also recommended. Induction of emesis is not recommended. Gastric lavage with a large-bore orogastric tube with appropriate airway

protection, if needed, may be indicated if performed soon after ingestion, or in symptomatic patients.

Activated charcoal should be administered. Due to the large volume of distribution of this drug, forced diuresis, dialysis, hemoperfusion, and exchange transfusion are unlikely to be of benefit. No specific antidotes for paroxetine are known.

A specific caution involves patients who are taking or have recently taken paroxetine who might ingest excessive quantities of a tricyclic antidepressant. In such a case, accumulation of the parent tricyclic and/or an active metabolite may increase the possibility of clinically significant sequelae and extend the time needed for close medical observation (see PRECAUTIONS— $Drugs\ Metabolized\ by\ Cytochrome\ P_{450}IID_6$).

In managing overdosage, consider the possibility of multiple drug involvement. The physician should consider contacting a poison control center for additional information on the treatment of any overdose. Telephone numbers for certified poison control centers are listed in the *Physicians' Desk Reference* (PDR).

DOSAGE AND ADMINISTRATION

Major Depressive Disorder: Usual Initial Dosage: PAXIL should be administered as a single daily dose with or without food, usually in the morning. The recommended initial dose is 20 mg/day. Patients were dosed in a range of 20 to 50 mg/day in the clinical trials demonstrating the effectiveness of PAXIL in the treatment of major depressive disorder. As with all drugs effective in the treatment of major depressive disorder, the full effect may be delayed. Some patients not responding to a 20-mg dose may benefit from dose increases, in 10-mg/day increments, up to a maximum of 50 mg/day. Dose changes should occur at intervals of at least 1 week.

Maintenance Therapy: There is no body of evidence available to answer the question of how long the patient treated with PAXIL should remain on it. It is generally agreed that acute episodes of major depressive disorder require several months or longer of sustained pharmacologic therapy. Whether the dose needed to induce remission is identical to the dose needed to maintain and/or sustain euthymia is unknown.

Systematic evaluation of the efficacy of PAXIL has shown that efficacy is maintained for periods of up to 1 year with doses that averaged about 30 mg.

Obsessive Compulsive Disorder: Usual Initial Dosage: PAXIL should be administered as a single daily dose with or without food, usually in the morning. The recommended dose of PAXIL in the treatment of OCD is 40 mg daily. Patients should be started on 20 mg/day and the dose can be increased in 10-mg/day increments. Dose changes should occur at intervals of at least 1 week. Patients were dosed in a range of 20 to 60 mg/day in the clinical trials demonstrating the effectiveness of PAXIL in the treatment of OCD. The maximum dosage should not exceed 60 mg/day.

Maintenance Therapy: Long-term maintenance of efficacy was demonstrated in a 6-month relapse prevention trial. In this trial, patients with OCD assigned to paroxetine demonstrated a

lower relapse rate compared to patients on placebo (see CLINICAL PHARMACOLOGY—Clinical Trials). OCD is a chronic condition, and it is reasonable to consider continuation for a responding patient. Dosage adjustments should be made to maintain the patient on the lowest effective dosage, and patients should be periodically reassessed to determine the need for continued treatment.

Panic Disorder: Usual Initial Dosage: PAXIL should be administered as a single daily dose with or without food, usually in the morning. The target dose of PAXIL in the treatment of panic disorder is 40 mg/day. Patients should be started on 10 mg/day. Dose changes should occur in 10-mg/day increments and at intervals of at least 1 week. Patients were dosed in a range of 10 to 60 mg/day in the clinical trials demonstrating the effectiveness of PAXIL. The maximum dosage should not exceed 60 mg/day.

Maintenance Therapy: Long-term maintenance of efficacy was demonstrated in a 3-month relapse prevention trial. In this trial, patients with panic disorder assigned to paroxetine demonstrated a lower relapse rate compared to patients on placebo (see CLINICAL PHARMACOLOGY—Clinical Trials). Panic disorder is a chronic condition, and it is reasonable to consider continuation for a responding patient. Dosage adjustments should be made to maintain the patient on the lowest effective dosage, and patients should be periodically reassessed to determine the need for continued treatment.

Social Anxiety Disorder: Usual Initial Dosage: PAXIL should be administered as a single daily dose with or without food, usually in the morning. The recommended and initial dosage is 20 mg/day. In clinical trials the effectiveness of PAXIL was demonstrated in patients dosed in a range of 20 to 60 mg/day. While the safety of PAXIL has been evaluated in patients with social anxiety disorder at doses up to 60 mg/day, available information does not suggest any additional benefit for doses above 20 mg/day (see CLINICAL PHARMACOLOGY—Clinical Trials).

Maintenance Therapy: There is no body of evidence available to answer the question of how long the patient treated with PAXIL should remain on it. Although the efficacy of PAXIL beyond 12 weeks of dosing has not been demonstrated in controlled clinical trials, social anxiety disorder is recognized as a chronic condition, and it is reasonable to consider continuation of treatment for a responding patient. Dosage adjustments should be made to maintain the patient on the lowest effective dosage, and patients should be periodically reassessed to determine the need for continued treatment.

Generalized Anxiety Disorder: Usual Initial Dosage: PAXIL should be administered as a single daily dose with or without food, usually in the morning. In clinical trials the effectiveness of PAXIL was demonstrated in patients dosed in a range of 20 to 50 mg/day. The recommended starting dosage and the established effective dosage is 20 mg/day. There is not sufficient evidence to suggest a greater benefit to doses higher than 20 mg/day. Dose changes should occur in 10 mg/day increments and at intervals of at least 1 week.

Maintenance Therapy: Systematic evaluation of continuing PAXIL for periods of up to 24 weeks in patients with Generalized Anxiety Disorder who had responded while taking PAXIL during an 8-week acute treatment phase has demonstrated a benefit of such maintenance (see

CLINICAL PHARMACOLOGY—Clinical Trials). Nevertheless, patients should be periodically reassessed to determine the need for maintenance treatment.

Posttraumatic Stress Disorder: Usual Initial Dosage: PAXIL should be administered as a single daily dose with or without food, usually in the morning. The recommended starting dosage and the established effective dosage is 20 mg/day. In 1 clinical trial, the effectiveness of PAXIL was demonstrated in patients dosed in a range of 20 to 50 mg/day. However, in a fixed dose study, there was not sufficient evidence to suggest a greater benefit for a dose of 40 mg/day compared to 20 mg/day. Dose changes, if indicated, should occur in 10 mg/day increments and at intervals of at least 1 week.

Maintenance Therapy: There is no body of evidence available to answer the question of how long the patient treated with PAXIL should remain on it. Although the efficacy of PAXIL beyond 12 weeks of dosing has not been demonstrated in controlled clinical trials, PTSD is recognized as a chronic condition, and it is reasonable to consider continuation of treatment for a responding patient. Dosage adjustments should be made to maintain the patient on the lowest effective dosage, and patients should be periodically reassessed to determine the need for continued treatment.

Special Populations: Treatment of Pregnant Women During the Third Trimester:

Neonates exposed to PAXIL and other SSRIs or SNRIs, late in the third trimester have developed complications requiring prolonged hospitalization, respiratory support, and tube feeding (see PRECAUTIONS). When treating pregnant women with paroxetine during the third trimester, the physician should carefully consider the potential risks and benefits of treatment. The physician may consider tapering paroxetine in the third trimester.

Dosage for Elderly or Debilitated Patients, and Patients With Severe Renal or Hepatic Impairment: The recommended initial dose is 10 mg/day for elderly patients, debilitated patients, and/or patients with severe renal or hepatic impairment. Increases may be made if indicated. Dosage should not exceed 40 mg/day.

Switching Patients to or From a Monoamine Oxidase Inhibitor: At least 14 days should elapse between discontinuation of an MAOI and initiation of therapy with PAXIL. Similarly, at least 14 days should be allowed after stopping PAXIL before starting an MAOI. Discontinuation of Treatment With PAXIL: Symptoms associated with discontinuation of PAXIL have been reported (see PRECAUTIONS). Patients should be monitored for these symptoms when discontinuing treatment, regardless of the indication for which PAXIL is being prescribed. A gradual reduction in the dose rather than abrupt cessation is recommended whenever possible. If intolerable symptoms occur following a decrease in the dose 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.

NOTE: SHAKE SUSPENSION WELL BEFORE USING.

HOW SUPPLIED

Tablets: Film-coated, modified-oval as follows:

10-mg yellow, scored tablets engraved on the front with PAXIL and on the back with 10.

NDC 0029-3210-13 Bottles of 30

20-mg pink, scored tablets engraved on the front with PAXIL and on the back with 20.

NDC 0029-3211-13 Bottles of 30

NDC 0029-3211-20 Bottles of 100

NDC 0029-3211-21 SUP 100s (intended for institutional use only)

30-mg blue tablets engraved on the front with PAXIL and on the back with 30.

NDC 0029-3212-13 Bottles of 30

40-mg green tablets engraved on the front with PAXIL and on the back with 40.

NDC 0029-3213-13 Bottles of 30

Store tablets between 15° and 30°C (59° and 86°F).

Oral Suspension: Orange-colored, orange-flavored, 10 mg/5 mL, in 250 mL white bottles.

NDC 0029-3215-48

Store suspension at or below 25°C (77°F).

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