PRESCRIBING INFORMATION

PAXIL CR®

(paroxetine hydrochloride)

Controlled-Release Tablets

Suicidality and Antidepressant Drugs

Antidepressants increased the risk compared to placebo of suicidal thinking and behavior (suicidality) in children, adolescents, and young adults in short-term studies of major depressive disorder (MDD) and other psychiatric disorders. Anyone considering the use of PAXIL CR or any other antidepressant in a child, adolescent, or young adult must balance this risk with the clinical need. Short-term studies did not show an increase in the risk of suicidality with antidepressants compared to placebo in adults beyond age 24; there was a reduction in risk with antidepressants compared to placebo in adults aged 65 and older. Depression and certain other psychiatric disorders are themselves associated with increases in the risk of suicide. Patients of all ages who are started on antidepressant therapy should be monitored appropriately and observed closely for clinical worsening, suicidality, or unusual changes in behavior. Families and caregivers should be advised of the need for close observation and communication with the prescriber. PAXIL CR is not approved for use in pediatric patients. (See WARNINGS: Clinical Worsening and Suicide Risk, PRECAUTIONS: Information for Patients, and PRECAUTIONS: Pediatric Use.)

DESCRIPTION

PAXIL CR (paroxetine hydrochloride) is an orally administered psychotropic drug with a chemical structure unrelated to other selective serotonin reuptake inhibitors or to tricyclic, tetracyclic, or other available antidepressant or antipanic agents. 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 $C_{19}H_{20}FNO_3$ •HCl•1/2 H_2O . 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.

Each enteric, film-coated, controlled-release tablet contains paroxetine hydrochloride equivalent to paroxetine as follows: 12.5 mg-yellow, 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.
- 36 Inactive ingredients consist of hypromellose, polyvinylpyrrolidone, lactose monohydrate,
- 37 magnesium stearate, silicon dioxide, glyceryl behenate, methacrylic acid copolymer type C,
- 38 sodium lauryl sulfate, polysorbate 80, talc, triethyl citrate, titanium dioxide, polyethylene
- 39 glycols, and 1 or more of the following colorants: Yellow ferric oxide, red ferric oxide, D&C
- 40 Red No. 30 aluminum lake, FD&C Yellow No. 6 aluminum lake, D&C Yellow No. 10
- 41 aluminum lake, FD&C Blue No. 2 aluminum lake.

CLINICAL PHARMACOLOGY

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- 43 **Pharmacodynamics:** The efficacy of paroxetine in the treatment of major depressive
- disorder, panic disorder, social anxiety disorder, and premenstrual dysphoric disorder (PMDD) is
- 45 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).
- 47 Studies at clinically relevant doses in humans have demonstrated that paroxetine blocks the
- 48 uptake of serotonin into human platelets. In vitro studies in animals also suggest that paroxetine
- 49 is a potent and highly selective inhibitor of neuronal serotonin reuptake and has only very weak
- 50 effects on norepinephrine and dopamine neuronal reuptake. In vitro radioligand binding studies
- 51 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.
- 57 **Pharmacokinetics:** Paroxetine hydrochloride is completely absorbed after oral dosing of a
- solution of the hydrochloride salt. The elimination half-life is approximately 15 to 20 hours after
- a single dose of PAXIL CR. Paroxetine is extensively metabolized and the metabolites are
- 60 considered to be inactive. Nonlinearity in pharmacokinetics is observed with increasing doses.
- Paroxetine metabolism is mediated in part by CYP2D6, and the metabolites are primarily
- excreted in the urine and to some extent in the feces. Pharmacokinetic behavior of paroxetine has
- not been evaluated in subjects who are deficient in CYP2D6 (poor metabolizers).
- 64 **Absorption and Distribution:** Tablets of PAXIL CR contain a degradable polymeric
- 65 matrix (GEOMATRIXTM) designed to control the dissolution rate of paroxetine over a period of
- approximately 4 to 5 hours. In addition to controlling the rate of drug release in vivo, an enteric
- 67 coat delays the start of drug release until tablets of PAXIL CR have left the stomach.
- Paroxetine hydrochloride is completely absorbed after oral dosing of a solution of the
- 69 hydrochloride salt. 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), paroxetine
- C_{max} and $AUC_{0-\text{inf}}$ increased disproportionately with dose (as seen also with immediate-release
- formulations). Mean C_{max} and AUC_{0-inf} values at these doses were 2.0, 5.5, 9.0, and 12.5 ng/mL,

and 121, 261, 338, and 540 ng•hr./mL, respectively. T_{max} was observed typically between 6 and 10 hours post-dose, reflecting a reduction in absorption rate compared with immediate-release formulations. The bioavailability of 25 mg PAXIL CR is not affected by food.

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

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.

Metabolism and Excretion: The mean elimination half-life of paroxetine was 15 to 20 hours throughout a range of single doses of PAXIL CR (12.5 mg, 25 mg, 37.5 mg, and 50 mg). 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 C_{max} , C_{min} , and AUC_{0-24} values were 30 ng/mL, 20 ng/mL, and 550 ng \bullet hr./mL, respectively.

Based on studies using immediate-release formulations, steady-state drug exposure based on AUC_{0-24} was several-fold greater than would have been predicted from single-dose data. 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 the immediate-release formulation 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.

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 CYP2D6. 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: Drugs Metabolized by CYP2D6).

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 110 1% as the parent compound over the 10-day post-dosing period.
- 111 Other Clinical Pharmacology Information: Specific Populations: 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. were 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 doses of 20, 30, and 40 mg of the immediate-release formulation, 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).
 - **Drug-Drug Interactions:** In vitro drug interaction studies reveal that paroxetine inhibits CYP2D6. Clinical drug interaction studies have been performed with substrates of CYP2D6 and show that paroxetine can inhibit the metabolism of drugs metabolized by CYP2D6 including desipramine, risperidone, and atomoxetine (see PRECAUTIONS: Drug Interactions).
- 128 Clinical Trials

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- 129 **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
- included patients in the age range 18 to 65 years, and a second study included elderly 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 item, and the Clinical Global Impression (CGI)–Severity of Illness score.
- A study of outpatients with major depressive disorder who had responded to
- immediate-release paroxetine tablets (HDRS total score <8) during an initial 8-week
- open-treatment phase and were then randomized to continuation on immediate-release paroxetine
- tablets or placebo for 1 year demonstrated a significantly lower relapse rate for patients taking
- immediate-release paroxetine tablets (15%) compared to those on placebo (39%). Effectiveness
- was similar for male and female patients.
- 143 **Panic Disorder:** The effectiveness of PAXIL CR in the treatment of panic disorder was
- evaluated in three 10-week, multicenter, flexible-dose studies (Studies 1, 2, and 3) comparing
- paroxetine controlled-release (12.5 to 75 mg daily) to placebo in adult outpatients who had panic
- disorder (DSM-IV), with or without agoraphobia. These trials were assessed on the basis of their
- outcomes on 3 variables: (1) the proportions of patients free of full panic attacks at endpoint; (2)
- change from baseline to endpoint in the median number of full panic attacks; and (3) change
- from baseline to endpoint in the median Clinical Global Impression Severity score. For Studies 1
- and 2, PAXIL CR was consistently superior to placebo on 2 of these 3 variables. Study 3 failed
- 151 to consistently demonstrate a significant difference between PAXIL CR and placebo on any of
- these variables.

For all 3 studies, the mean dose of PAXIL CR for completers at endpoint was approximately 50 mg/day. Subgroup analyses did not indicate that there were any differences in treatment outcomes as a function of age or gender.

Long-term maintenance effects of the immediate-release formulation of paroxetine in panic disorder were demonstrated in an extension study. Patients who were responders during a 10-week double-blind phase with immediate-release paroxetine and during a 3-month double-blind extension phase were randomized to either immediate-release paroxetine 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.

Social Anxiety Disorder: The efficacy of PAXIL CR as a treatment for social anxiety disorder has been established, in part, on the basis of extrapolation 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-week, multicenter, double-blind, 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 (12.5 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 Clinical Global Impression (CGI) 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 outcomes as a function of age, race, or gender.

Premenstrual Dysphoric Disorder: The effectiveness of PAXIL CR for the treatment of

182 PMDD utilizing a continuous dosing regimen 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

184 daily doses of PAXIL CR 12.5 or 25 mg/day, or placebo the mean duration of the PMDD

185 symptoms was approximately 11 ± 7 years. Patients on systemic hormonal contraceptives were

186 excluded from these trials. Therefore, the efficacy of PAXIL CR in combination with systemic

187 (including oral) hormonal contraceptives for the continuous daily treatment of PMDD is

188 unknown. In both positive studies, patients (N = 672) were treated with 12.5 mg/day or

189 25 mg/day of PAXIL CR or placebo continuously throughout the menstrual cycle for a period of

190 3 menstrual cycles. The VAS-Total score is a patient-rated instrument that mirrors the diagnostic

191 criteria of PMDD as identified in the DSM-IV, and includes assessments for mood, physical

192 symptoms, and other symptoms. 12.5 mg/day and 25 mg/day of PAXIL CR were significantly

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- more effective than placebo as measured by change from baseline to the endpoint on the luteal phase 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 (luteal phase dosing, also known as intermittent dosing) with
- 197 12.5 mg/day or 25 mg/day of PAXIL CR or placebo for a period of 3 months. 12.5 mg/day and
- 25 mg/day of PAXIL CR, as luteal phase dosing, was significantly more effective than placebo
- as measured by change from baseline luteal phase VAS total score.
- There is insufficient information to determine the effect of race or age on outcome in these studies.

INDICATIONS AND USAGE

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- **Major Depressive Disorder:** PAXIL CR is indicated for the treatment of major depressive disorder.
- The efficacy of PAXIL CR in 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).
- 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 previous functioning, and includes the presence of at least 5 of the following 9 symptoms during the same 2-week period: Depressed mood, markedly diminished interest or pleasure in usual activities, significant change in weight and/or appetite, insomnia or hypersomnia, psychomotor agitation or retardation, increased fatigue, feelings of guilt or worthlessness, slowed thinking or impaired concentration, a suicide attempt, or suicidal ideation.
- The antidepressant action of paroxetine in hospitalized depressed patients has not been adequately studied.
- 218 PAXIL CR has not been systematically evaluated beyond 12 weeks in controlled clinical
- trials; however, the effectiveness of immediate-release paroxetine hydrochloride 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
- 222 who elects to use PAXIL CR for extended periods should periodically re-evaluate the long-term
- 223 usefulness of the drug for the individual patient (see DOSAGE AND ADMINISTRATION).
- Panic Disorder: PAXIL CR 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
- 226 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 CR controlled-release tablets was established in two 10-week trials in
- 230 panic disorder patients whose diagnoses corresponded to the DSM-IV category of panic disorder
- 231 (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 with the immediate-release formulation of paroxetine was demonstrated in a 3-month relapse prevention trial. In this trial, patients with panic disorder assigned to immediate-release paroxetine demonstrated a lower relapse rate compared to patients on placebo (see CLINICAL PHARMACOLOGY: Clinical Trials). Nevertheless, the physician who prescribes PAXIL CR for extended periods should periodically re-evaluate the long-term usefulness of the drug for the individual patient (see DOSAGE AND ADMINISTRATION). **Social Anxiety Disorder:** PAXIL CR 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 CR as a treatment for social anxiety disorder has been established, in part, on the basis of extrapolation from the established effectiveness of the immediate-release formulation of paroxetine. In addition, the efficacy of PAXIL CR was established in a 12-week trial, in adult outpatients with social anxiety disorder (DSM-IV). PAXIL CR has not been studied in children or adolescents with social phobia (see CLINICAL PHARMACOLOGY: Clinical Trials). The effectiveness of PAXIL CR 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 CR for extended periods should periodically re-evaluate the long-term usefulness of the drug for the individual patient (see DOSAGE AND ADMINISTRATION). **Premenstrual Dysphoric 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 irritability. Other features include

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- decreased interest in usual activities, difficulty concentrating, lack of energy, change in appetite
- or sleep, and feeling out of control. Physical symptoms associated with PMDD include breast
- tenderness, headache, joint and muscle pain, bloating, and weight gain. These symptoms occur
- 275 regularly during the luteal phase and remit within a few days following the onset of menses; the
- 276 disturbance markedly interferes with work or school or with usual social activities and
- 277 relationships with others. In making the diagnosis, care should be taken to rule out other cyclical
- 278 mood disorders that may be exacerbated by treatment with an antidepressant.
- The effectiveness of PAXIL CR in long-term use, that is, for more than 3 menstrual cycles,
- has not been systematically evaluated in controlled trials. Therefore, the physician who elects to
- use PAXIL CR for extended periods should periodically re-evaluate the long-term usefulness of
- the drug for the individual patient (see DOSAGE AND ADMINISTRATION).

CONTRAINDICATIONS

- The use of MAOIs intended to treat depression with, or within 14 days of treatment with,
- 285 PAXIL CR is contraindicated (see WARNINGS).
- Do not start PAXIL CR in a patient who is being treated with a reversible MAOI such as
- 287 linezolid or methylene blue because of an increased risk of serotonin syndrome or neuroleptic
- 288 malignant syndrome (NMS)-like reactions (see WARNINGS).
- 289 Concomitant use with thioridazine is contraindicated (see WARNINGS and
- 290 PRECAUTIONS).

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- 291 Concomitant use in patients taking pimozide is contraindicated (see PRECAUTIONS).
- 292 PAXIL CR is contraindicated in patients with a hypersensitivity to paroxetine or to any of the
- inactive ingredients in PAXIL CR.

WARNINGS

- 295 Clinical Worsening and Suicide Risk: Patients with major depressive disorder (MDD),
- both adult and pediatric, may experience worsening of their depression and/or the emergence of
- suicidal ideation and behavior (suicidality) or unusual changes in behavior, whether or not they
- are taking antidepressant medications, and this risk may persist until significant remission
- 299 occurs. Suicide is a known risk of depression and certain other psychiatric disorders, and these
- disorders themselves are the strongest predictors of suicide. There has been a long-standing
- 301 concern, however, that antidepressants may have a role in inducing worsening of depression and
- 302 the emergence of suicidality in certain patients during the early phases of treatment. Pooled
- analyses of short-term placebo-controlled trials of antidepressant drugs (SSRIs and others)
- showed that these drugs increase the risk of suicidal thinking and behavior (suicidality) in
- 305 children, adolescents, and young adults (ages 18-24) with major depressive disorder (MDD) and
- other psychiatric disorders. Short-term studies did not show an increase in the risk of suicidality
- with antidepressants compared to placebo in adults beyond age 24; there was a reduction with
- antidepressants compared to placebo in adults aged 65 and older.
- The pooled analyses of placebo-controlled trials in children and adolescents with MDD,
- 310 obsessive compulsive disorder (OCD), or other psychiatric disorders included a total of 24 short-

term trials of 9 antidepressant drugs in over 4,400 patients. The pooled analyses of placebo-controlled trials in adults with MDD or other psychiatric disorders included a total of 295 short-term trials (median duration of 2 months) of 11 antidepressant drugs in over 77,000 patients. There was considerable variation in risk of suicidality among drugs, but a tendency toward an increase in the younger patients for almost all drugs studied. There were differences in absolute risk of suicidality across the different indications, with the highest incidence in MDD. The risk differences (drug vs placebo), however, were relatively stable within age strata and across indications. These risk differences (drug-placebo difference in the number of cases of suicidality per 1,000 patients treated) are provided in Table 1.

Table 1

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	Drug-Placebo Difference in Number of Cases
Age Range	of Suicidality per 1,000 Patients Treated
Increases Comp	pared to Placebo
<18	14 additional cases
18-24	5 additional cases
Decreases Com	pared to Placebo
25-64	1 fewer case
≥65	6 fewer cases

No suicides occurred in any of the pediatric trials. There were suicides in the adult trials, but the number was not sufficient to reach any conclusion about drug effect on suicide.

It is unknown whether the suicidality risk extends to longer-term use, i.e., beyond several months. However, there is substantial evidence from placebo-controlled maintenance trials in adults with depression that the use of antidepressants can delay the recurrence of depression.

All patients being treated with antidepressants for any indication should be monitored appropriately and observed closely for clinical worsening, suicidality, and unusual changes in behavior, especially during the initial few months of a course of drug therapy, or at times of dose changes, either increases or decreases.

The following symptoms, 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, there is concern that such symptoms may represent precursors to emerging suicidality.

Consideration should be given to changing the therapeutic regimen, including possibly discontinuing the medication, in patients whose depression is persistently worse, or who are experiencing emergent suicidality or symptoms that might be precursors to worsening depression or suicidality, especially if these symptoms are severe, abrupt in onset, or were not part of the patient's presenting symptoms.

343	If the decision has been made to discontinue treatment, medication should be tapered, as
344	rapidly as is feasible, but with recognition that abrupt discontinuation can be associated with
345	certain symptoms (see PRECAUTIONS and DOSAGE AND ADMINISTRATION:
346	Discontinuation of Treatment With PAXIL CR, for a description of the risks of discontinuation of
347	PAXIL CR).
348	Families and caregivers of patients being treated with antidepressants for major
349	depressive disorder or other indications, both psychiatric and nonpsychiatric, should be
350	alerted about the need to monitor patients for the emergence of agitation, irritability,
351	unusual changes in behavior, and the other symptoms described above, as well as the
352	emergence of suicidality, and to report such symptoms immediately to healthcare
353	providers. Such monitoring should include daily observation by families and caregivers.
354	Prescriptions for PAXIL CR should be written for the smallest quantity of tablets consistent with
355	good patient management, in order to reduce the risk of overdose.
356	Screening Patients for Bipolar Disorder: A major depressive episode may be the initial
357	presentation of bipolar disorder. It is generally believed (though not established in controlled
358	trials) that treating such an episode with an antidepressant alone may increase the likelihood of
359	precipitation of a mixed/manic episode in patients at risk for bipolar disorder. Whether any of the
360	symptoms described above represent such a conversion is unknown. However, prior to initiating
361	treatment with an antidepressant, patients with depressive symptoms should be adequately
362	screened to determine if they are at risk for bipolar disorder; such screening should include a
363	detailed psychiatric history, including a family history of suicide, bipolar disorder, and
364	depression. It should be noted that PAXIL CR is not approved for use in treating bipolar
365	depression.
366	Potential for Interaction With Monoamine Oxidase Inhibitors: In patients receiving
367	another serotonin reuptake inhibitor drug in combination with monoamine oxidase inhibitors
368	(MAOIs), including reversible MAOIs such as linezolid and methylene blue, there have been
369	reports of serious, sometimes fatal, reactions including hyperthermia, rigidity, myoclonus,
370	autonomic instability with possible rapid fluctuations of vital signs, and mental status changes
371	that include extreme agitation progressing to delirium and coma. These reactions have also been
372	reported in patients who have recently discontinued that drug and have been started on an MAOI
373	Some cases presented with features resembling serotonin syndrome or NMS-like reactions (see
374	CONTRAINDICATIONS and DOSAGE AND ADMINISTRATION).
375	Serotonin Syndrome or Neuroleptic Malignant Syndrome (NMS)-like Reactions:
376	The development of a potentially life-threatening serotonin syndrome or Neuroleptic
377	Malignant Syndrome (NMS)-like reactions have been reported with SNRIs and SSRIs
378	alone, including treatment with PAXIL CR, but particularly with concomitant use of
379	serotonergic drugs (including triptans) with drugs which impair metabolism of serotonin
380	(including MAOIs), or with antipsychotics or other dopamine antagonists. Serotonin
381	syndrome symptoms may include mental status changes (e.g., agitation, hallucinations,
382	coma), autonomic instability (e.g., tachycardia, labile blood pressure, hyperthermia),

- neuromuscular aberrations (e.g., hyperreflexia, incoordination) and/or gastrointestinal symptoms (e.g., nausea, vomiting, diarrhea). Serotonin syndrome, in its most severe form can resemble neuroleptic malignant syndrome, which includes hyperthermia, muscle rigidity, autonomic instability with possible rapid fluctuation of vital signs, and mental status changes. Patients should be monitored for the emergence of serotonin syndrome or NMS-like signs and symptoms.
- The concomitant use of PAXIL CR with MAOIs intended to treat depression is contraindicated.
- If concomitant treatment of PAXIL CR with a 5-hydroxytryptamine receptor agonist (triptan) is clinically warranted, careful observation of the patient is advised, particularly during treatment initiation and dose increases.
- The concomitant use of PAXIL CR with serotonin precursors (such as tryptophan) is not recommended.
- Treatment with PAXIL CR and any concomitant serotonergic or antidopaminergic agents, including antipsychotics, should be discontinued immediately if the above events occur and supportive symptomatic treatment should be initiated.
- 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 CYP2D6, 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).
- **Usage in Pregnancy:** *Teratogenic Effects:* Epidemiological studies have shown that infants exposed to paroxetine in the first trimester of pregnancy have an increased risk of congenital malformations, particularly cardiovascular malformations. The findings from these studies are summarized below:
- A study based on Swedish national registry data demonstrated that infants exposed to paroxetine during pregnancy (n = 815) had an increased risk of cardiovascular malformations (2% risk in paroxetine-exposed infants) compared to the entire registry population (1% risk), for an odds ratio (OR) of 1.8 (95% confidence interval 1.1 to 2.8). No increase in the risk of overall congenital malformations was seen in the paroxetine-exposed infants. The cardiac malformations in the paroxetine-exposed infants were primarily ventricular septal defects (VSDs) and atrial septal defects (ASDs). Septal defects range in severity from those that resolve spontaneously to those which require surgery.
- A separate retrospective cohort study from the United States (United Healthcare data)
 evaluated 5,956 infants of mothers dispensed antidepressants during the first trimester
 (n = 815 for paroxetine). This study showed a trend towards an increased risk for
 cardiovascular malformations for paroxetine (risk of 1.5%) compared to other

- antidepressants (risk of 1%), for an OR of 1.5 (95% confidence interval 0.8 to 2.9). Of the
 12 paroxetine-exposed infants with cardiovascular malformations, 9 had VSDs. This study
 also suggested an increased risk of overall major congenital malformations including
 cardiovascular defects for paroxetine (4% risk) compared to other (2% risk) antidepressants
 (OR 1.8; 95% confidence interval 1.2 to 2.8).
 - Two large case-control studies using separate databases, each with >9,000 birth defect cases and >4,000 controls, found that maternal use of paroxetine during the first trimester of pregnancy was associated with a 2- to 3-fold increased risk of right ventricular outflow tract obstructions. In one study the OR was 2.5 (95% confidence interval, 1.0 to 6.0, 7 exposed infants) and in the other study the OR was 3.3 (95% confidence interval, 1.3 to 8.8, 6 exposed infants).

Other studies have found varying results as to whether there was an increased risk of overall, cardiovascular, or specific congenital malformations. A meta-analysis of epidemiological data over a 16-year period (1992 to 2008) on first trimester paroxetine use in pregnancy and congenital malformations included the above-noted studies in addition to others (n = 17 studies that included overall malformations and n = 14 studies that included cardiovascular malformations; n = 20 distinct studies). While subject to limitations, this meta-analysis suggested an increased occurrence of cardiovascular malformations (prevalence odds ratio [POR] 1.5; 95% confidence interval 1.2 to 1.9) and overall malformations (POR 1.2; 95% confidence interval 1.1 to 1.4) with paroxetine use during the first trimester. It was not possible in this meta-analysis to determine the extent to which the observed prevalence of cardiovascular malformations might have contributed to that of overall malformations, nor was it possible to determine whether any specific types of cardiovascular malformations might have contributed to the observed prevalence of all cardiovascular malformations.

If a patient becomes pregnant while taking paroxetine, she should be advised of the potential harm to the fetus. Unless the benefits of paroxetine to the mother justify continuing treatment, consideration should be given to either discontinuing paroxetine therapy or switching to another antidepressant (see PRECAUTIONS: *Discontinuation of Treatment With PAXIL CR*). For women who intend to become pregnant or are in their first trimester of pregnancy, paroxetine should only be initiated after consideration of the other available treatment options.

Animal Findings: 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 approximately 8 (rat) and 2 (rabbit) times the maximum recommended human dose (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 lactation. 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 rat pup mortality was not determined. The cause of these deaths is not known.

Nonteratogenic Effects: Neonates exposed to PAXIL CR and other SSRIs or serotonin and norepinephrine reuptake inhibitors (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 that, in some cases, the clinical picture is consistent with serotonin syndrome (see WARNINGS: Serotonin Syndrome or

Neuroleptic Malignant Syndrome (NMS)-like Reactions).

- Infants exposed to SSRIs in late pregnancy may have an increased risk for persistent pulmonary hypertension of the newborn (PPHN). PPHN occurs in 1 2 per 1,000 live births in the general population and is associated with substantial neonatal morbidity and mortality. In a retrospective case-control study of 377 women whose infants were born with PPHN and 836 women whose infants were born healthy, the risk for developing PPHN was approximately sixfold higher for infants exposed to SSRIs after the 20th week of gestation compared to infants who had not been exposed to antidepressants during pregnancy. There is currently no corroborative evidence regarding the risk for PPHN following exposure to SSRIs in pregnancy; this is the first study that has investigated the potential risk. The study did not include enough cases with exposure to individual SSRIs to determine if all SSRIs posed similar levels of PPHN risk.
- There have also been postmarketing reports of premature births in pregnant women exposed to paroxetine or other SSRIs.
- When treating a pregnant woman with paroxetine during the third trimester, the physician should carefully consider both the potential risks and benefits of treatment (see DOSAGE AND ADMINISTRATION). Physicians should note that in a prospective longitudinal study of 201 women with a history of major depression who were euthymic at the beginning of pregnancy, women who discontinued antidepressant medication during pregnancy were more likely to experience a relapse of major depression than women who continued antidepressant medication.

PRECAUTIONS

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- 490 **General:** Activation of Mania/Hypomania: During premarketing testing of
- immediate-release paroxetine hydrochloride, hypomania or mania occurred in approximately
- 492 1.0% of paroxetine-treated unipolar 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
- 494 episodes was 2.2% for immediate-release paroxetine and 11.6% for the combined active-control
- 495 groups. Among 1,627 patients with major depressive disorder, panic disorder, social anxiety
- 496 disorder, or PMDD treated with PAXIL CR in controlled clinical studies, there were no reports
- of mania or hypomania. As with all drugs effective in the treatment of major depressive disorder,
- 498 PAXIL CR should be used cautiously in patients with a history of mania.
- Seizures: During premarketing testing of immediate-release paroxetine hydrochloride, seizures occurred in 0.1% of paroxetine-treated patients, a rate similar to that associated with other drugs effective in the treatment of major depressive disorder. Among 1,627 patients who

received PAXIL CR in controlled clinical trials in major depressive disorder, panic disorder, social anxiety disorder, or PMDD, 1 patient (0.1%) experienced a seizure. PAXIL CR 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 CR: Adverse events while discontinuing therapy with PAXIL CR were not systematically evaluated in most clinical trials; however, in recent placebo-controlled clinical trials utilizing daily doses of PAXIL CR up to 37.5 mg/day, spontaneously reported adverse events while discontinuing therapy with PAXIL CR were evaluated. Patients receiving 37.5 mg/day underwent an incremental decrease in the daily dose by 12.5 mg/day to a dose of 25 mg/day for 1 week before treatment was stopped. For patients receiving 25 mg/day or 12.5 mg/day, treatment was stopped without an incremental decrease in dose. With this regimen in those studies, the following adverse events were reported for PAXIL CR, at an incidence of 2% or greater for PAXIL CR and were at least twice that reported for placebo: Dizziness, nausea, nervousness, and additional symptoms described by the investigator as associated with tapering or discontinuing PAXIL CR (e.g., emotional lability, headache, agitation, electric shock sensations, fatigue, and sleep disturbances). These events were reported as serious in 0.3% of patients who discontinued therapy with PAXIL CR.

During marketing of PAXIL CR and other SSRIs and SNRIs, there have been spontaneous reports of adverse events occurring upon 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 and tinnitus), 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 CR. 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).

See also PRECAUTIONS: Pediatric Use, for adverse events reported upon discontinuation of treatment with paroxetine in pediatric patients.

Tamoxifen: Some studies have shown that the efficacy of tamoxifen, as measured by the risk of breast cancer relapse/mortality, may be reduced when co-prescribed with paroxetine as a result of paroxetine's irreversible inhibition of CYP2D6 (see Drug Interactions). However, other studies have failed to demonstrate such a risk. It is uncertain whether the coadministration of paroxetine and tamoxifen has a significant adverse effect on the efficacy of tamoxifen. One study suggests that the risk may increase with longer duration of coadministration. When tamoxifen is used for the treatment or prevention of breast cancer, prescribers should consider using an alternative antidepressant with little or no CYP2D6 inhibition.

Akathisia: The use of paroxetine or other SSRIs has been associated with the development

of akathisia, which is characterized by an inner sense of restlessness and psychomotor agitation such as an inability to sit or stand still usually associated with subjective distress. This is most likely to occur within the first few weeks of treatment.

Hyponatremia: Hyponatremia may occur as a result of treatment with SSRIs and SNRIs, including PAXIL CR. In many cases, this hyponatremia appears to be the result of the syndrome of inappropriate antidiuretic hormone secretion (SIADH). Cases with serum sodium lower than 110 mmol/L have been reported. Elderly patients may be at greater risk of developing hyponatremia with SSRIs and SNRIs. Also, patients taking diuretics or who are otherwise volume depleted may be at greater risk (see PRECAUTIONS: Geriatric Use). Discontinuation of PAXIL CR should be considered in patients with symptomatic hyponatremia and appropriate medical intervention should be instituted.

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

Abnormal Bleeding: SSRIs and SNRIs, including paroxetine, may increase the risk of bleeding events. Concomitant use of aspirin, nonsteroidal anti-inflammatory drugs, warfarin, and other anticoagulants may add to this risk. Case reports and epidemiological studies (case-control and cohort design) have demonstrated an association between use of drugs that interfere with serotonin reuptake and the occurrence of gastrointestinal bleeding. Bleeding events related to SSRIs and SNRIs use have ranged from ecchymoses, hematomas, epistaxis, and petechiae to life-threatening hemorrhages. Patients should be cautioned about the risk of bleeding associated with the concomitant use of paroxetine and NSAIDs, aspirin, or other drugs that affect coagulation.

Bone Fracture: Epidemiological studies on bone fracture risk following exposure to some antidepressants, including SSRIs, have reported an association between antidepressant treatment and fractures. There are multiple possible causes for this observation and it is unknown to what extent fracture risk is directly attributable to SSRI treatment. The possibility of a pathological fracture, that is, a fracture produced by minimal trauma in a patient with decreased bone mineral density, should be considered in patients treated with paroxetine who present with unexplained bone pain, point tenderness, swelling, or bruising.

Use in Patients With Concomitant Illness: Clinical experience with immediate-release paroxetine hydrochloride in patients with certain concomitant systemic illness is limited. Caution is advisable in using PAXIL CR 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 paroxetine hydrochloride. A few cases of acute angle closure glaucoma associated with therapy with immediate-release paroxetine 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 CR is prescribed for patients with narrow angle glaucoma.

PAXIL CR or the immediate-release formulation 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 premarket testing. Evaluation of electrocardiograms of 682 patients who received immediate-release paroxetine hydrochloride in double-blind, placebo-controlled trials, however, did not indicate that paroxetine is associated with the development of significant ECG abnormalities. Similarly, paroxetine hydrochloride 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: PAXIL CR should not be chewed or crushed, and should be swallowed whole.

Patients should be cautioned about the risk of serotonin syndrome with the concomitant use of PAXIL CR and triptans, tramadol, or other serotonergic agents.

Prescribers or other health professionals should inform patients, their families, and their caregivers about the benefits and risks associated with treatment with PAXIL CR and should counsel them in its appropriate use. A patient Medication Guide is available for PAXIL CR. The prescriber or health professional should instruct patients, their families, and their caregivers to read the Medication Guide and should assist them in understanding its contents. Patients should be given the opportunity to discuss the contents of the Medication Guide and to obtain answers to any questions they may have. The complete text of the Medication Guide is reprinted at the end of this document.

Patients should be advised of the following issues and asked to alert their prescriber if these occur while taking PAXIL CR.

Clinical Worsening and Suicide Risk: Patients, their families, and their caregivers should be encouraged to be alert to the emergence of anxiety, agitation, panic attacks, insomnia, irritability, hostility, aggressiveness, impulsivity, akathisia (psychomotor restlessness), hypomania, mania, other unusual changes in behavior, worsening of depression, and suicidal ideation, especially early during antidepressant treatment and when the dose is adjusted up or down. Families and caregivers of patients should be advised to look for the emergence of such symptoms on a day-to-day basis, since changes may be abrupt. Such symptoms should be reported to the patient's prescriber or health professional, especially if they are severe, abrupt in onset, or were not part of the patient's presenting symptoms. Symptoms such as these may be associated with an increased risk for suicidal thinking and behavior and indicate a need for very close monitoring and possibly changes in the medication.

Drugs That Interfere With Hemostasis (e.g., NSAIDs, Aspirin, and Warfarin):

- Patients should be cautioned about the concomitant use of paroxetine and NSAIDs, aspirin,
- 620 warfarin, or other drugs that affect coagulation since combined use of psychotropic drugs that
- interfere with serotonin reuptake and these agents has been associated with an increased risk of

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- Interference With Cognitive and Motor Performance: Any psychoactive drug may impair judgment, thinking, or motor skills. Although in controlled studies immediate-release paroxetine hydrochloride 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 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 paroxetine hydrochloride 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 CR.
- **Pregnancy:** Patients should be advised to notify their physician if they become pregnant or intend to become pregnant during therapy (see WARNINGS: Usage in Pregnancy: Teratogenic Effects and Nonteratogenic Effects).
- **Nursing:** Patients should be advised to notify their physician if they are breastfeeding an infant (see PRECAUTIONS: Nursing Mothers).
- 642 **Laboratory Tests:** There are no specific laboratory tests recommended.
- 643 **Drug Interactions:** Tryptophan: As with other serotonin reuptake inhibitors, an interaction
- 644 between paroxetine and tryptophan may occur when they are coadministered. Adverse
- 645 experiences, consisting primarily of headache, nausea, sweating, and dizziness, have been
- 646 reported when tryptophan was administered to patients taking immediate-release paroxetine.
- 647 Consequently, concomitant use of PAXIL CR with tryptophan is not recommended (see
- 648 WARNINGS: Serotonin Syndrome or Neuroleptic Malignant Syndrome (NMS)-like Reactions).
- Monoamine Oxidase Inhibitors: See CONTRAINDICATIONS and WARNINGS. 649
- 650 **Pimozide:** In a controlled study of healthy volunteers, after immediate-release paroxetine
- 651 hydrochloride was titrated to 60 mg daily, co-administration of a single dose of 2 mg pimozide
- was associated with mean increases in pimozide AUC of 151% and C_{max} of 62%, compared to 652
- pimozide administered alone. The increase in pimozide AUC and C_{max} is due to the CYP2D6 653 654
- inhibitory properties of paroxetine. Due to the narrow therapeutic index of pimozide and its
- 655 known ability to prolong the QT interval, concomitant use of pimozide and PAXIL CR is contraindicated (see CONTRAINDICATIONS). 656
- 657 **Serotonergic Drugs:** Based on the mechanism of action of SNRIs and SSRIs, including
- 658 paroxetine hydrochloride, and the potential for serotonin syndrome, caution is advised when
- 659 PAXIL CR is coadministered with other drugs that may affect the serotonergic neurotransmitter
- 660 systems, such as triptans, lithium, fentanyl, tramadol, or St. John's Wort (see WARNINGS:
- 661 Serotonin Syndrome or Neuroleptic Malignant Syndrome (NMS)-like Reactions). The

- concomitant use of PAXIL CR with MAOIs (including linezolid and methylene blue) is contraindicated (see CONTRAINDICATIONS). The concomitant use of PAXIL CR with other SSRIs, SNRIs or tryptophan is not recommended (see PRECAUTIONS: Drug Interactions, *Tryptophan*).
 - **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 CR and warfarin should be undertaken with caution (see PRECAUTIONS: Drugs That Interfere With Hemostasis).
 - **Triptans:** There have been rare postmarketing reports of serotonin syndrome with the use of an SSRI and a triptan. If concomitant use of PAXIL CR with a triptan is clinically warranted, careful observation of the patient is advised, particularly during treatment initiation and dose increases (see WARNINGS: Serotonin Syndrome or Neuroleptic Malignant Syndrome (NMS)-like Reactions).
 - **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 P_{450} (oxidative) enzymes. In a study where immediate-release paroxetine (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 CR after the 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 immediate-release paroxetine was administered at phenobarbital steady state (100 mg once daily for 14 days), paroxetine AUC and T_{1/2} 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 paroxetine 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 with PAXIL CR 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 immediate-release paroxetine was administered at phenytoin steady state (300 mg once daily for 14 days), paroxetine AUC and $T_{1/2}$ were reduced (by an average of 50% and 35%, respectively) compared to immediate-release paroxetine 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 PAXIL CR is coadministered with phenytoin; any subsequent adjustments should be guided by clinical effect (see ADVERSE REACTIONS: Postmarketing Reports).

Drugs Metabolized by CYP2D6: 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 CYP2D6. Like other agents that are metabolized by CYP2D6, paroxetine may significantly inhibit the activity of this isozyme. In most patients (>90%), this CYP2D6 isozyme is saturated early during paroxetine dosing. In 1 study, daily dosing of immediate-release paroxetine (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 paroxetine with risperidone, a CYP2D6 substrate has also been evaluated. In 1 study, daily dosing of paroxetine 20 mg in patients stabilized on risperidone (4 to 8 mg/day) increased mean plasma concentrations of risperidone approximately 4-fold, decreased 9-hydroxyrisperidone concentrations approximately 10%, and increased concentrations of the active moiety (the sum of risperidone plus 9-hydroxyrisperidone) approximately 1.4-fold. The effect of paroxetine on the pharmacokinetics of atomoxetine has been evaluated when both drugs were at steady state. In healthy volunteers who were extensive metabolizers of CYP2D6, paroxetine 20 mg daily was given in combination with 20 mg atomoxetine every 12 hours. This resulted in increases in steady state atomoxetine AUC values that were 6- to 8-fold greater and in atomoxetine C_{max} values that were 3- to 4-fold greater than when atomoxetine was given alone. Dosage adjustment of atomoxetine may be necessary and it

Concomitant use of PAXIL CR with other drugs metabolized by cytochrome CYP2D6 has not been formally studied but may require lower doses than usually prescribed for either PAXIL CR or the other drug.

is recommended that atomoxetine be initiated at a reduced dose when given with paroxetine.

Therefore, coadministration of PAXIL CR 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 1C 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).

Tamoxifen is a pro-drug requiring metabolic activation by CYP2D6. Inhibition of CYP2D6 by paroxetine may lead to reduced plasma concentrations of an active metabolite (endoxifen) and hence reduced efficacy of tamoxifen (see PRECAUTIONS).

At steady state, when the CYP2D6 pathway is essentially saturated, paroxetine clearance is governed by alternative P_{450} isozymes that, unlike CYP2D6, show no evidence of saturation (see PRECAUTIONS: Tricyclic Antidepressants [TCAs]).

Drugs Metabolized by Cytochrome CYP3A4: An in vivo interaction study involving

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- 742 the coadministration under steady-state conditions of paroxetine and terfenadine, a substrate for
- 743 CYP3A4, revealed no effect of paroxetine on terfenadine pharmacokinetics. In addition, in vitro
- 744 studies have shown ketoconazole, a potent inhibitor of CYP3A4 activity, to be at least 100 times
- 745 more potent than paroxetine as an inhibitor of the metabolism of several substrates for this
- 746 enzyme, including terfenadine, astemizole, cisapride, triazolam, and cyclosporine. Based on the
- 747 assumption that the relationship between paroxetine's in vitro K_i and its lack of effect on
- 748 terfenadine's in vivo clearance predicts its effect on other CYP3A4 substrates, paroxetine's
- 749 extent of inhibition of CYP3A4 activity is not likely to be of clinical significance.
- 750 *Tricyclic Antidepressants (TCAs):* Caution is indicated in the coadministration of TCAs
- 751 with PAXIL CR, because paroxetine may inhibit TCA metabolism. Plasma TCA concentrations
- 752 may need to be monitored, and the dose of TCA may need to be reduced, if a TCA is
- 753 coadministered with PAXIL CR (see PRECAUTIONS: Drugs Metabolized by Cytochrome
- 754 CYP2D6).
- 755 **Drugs Highly Bound to Plasma Protein:** Because paroxetine is highly bound to plasma
- 756 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 757 758
 - events. Conversely, adverse effects could result from displacement of paroxetine by other highly
- 759 bound drugs.

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Drugs That Interfere With Hemostasis (e.g., NSAIDs, Aspirin, and Warfarin):

- 761 Serotonin release by platelets plays an important role in hemostasis. Epidemiological studies of
- 762 the case-control and cohort design that have demonstrated an association between use of
- 763 psychotropic drugs that interfere with serotonin reuptake and the occurrence of upper
- 764 gastrointestinal bleeding have also shown that concurrent use of an NSAID or aspirin may
- 765 potentiate this risk of bleeding. Altered anticoagulant effects, including increased bleeding, have
- 766 been reported when SSRIs or SNRIs are coadministered with warfarin. Patients receiving
- 767 warfarin therapy should be carefully monitored when paroxetine is initiated or discontinued.
 - **Alcohol:** Although paroxetine does not increase the impairment of mental and motor skills caused by alcohol, patients should be advised to avoid alcohol while taking PAXIL CR.
 - **Lithium:** A multiple-dose study with immediate-release paroxetine hydrochloride has shown
 - that there is no pharmacokinetic interaction between paroxetine and lithium carbonate. However,
- 772 due to the potential for serotonin syndrome, caution is advised when immediate-release
- 773 paroxetine hydrochloride is coadministered with lithium.
- 774 **Digoxin:** The steady-state pharmacokinetics of paroxetine was not altered when administered
- 775 with digoxin at steady state. Mean digoxin AUC at steady state decreased by 15% in the
- 776 presence of paroxetine. Since there is little clinical experience, the concurrent administration of
- 777 PAXIL CR and digoxin should be undertaken with caution.
- 778 **Diazepam:** Under steady-state conditions, diazepam does not appear to affect paroxetine
- 779 kinetics. The effects of paroxetine on diazepam were not evaluated.
- 780 **Procyclidine:** Daily oral dosing of immediate-release paroxetine (30 mg once daily)
- 781 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 immediate-release paroxetine (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 immediate-release paroxetine treatment 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.

Fosamprenavir/Ritonavir: Co-administration of fosamprenavir/ritonavir with paroxetine significantly decreased plasma levels of paroxetine. Any dose adjustment should be guided by clinical effect (tolerability and efficacy).

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

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 approximately 2 (mouse) and 3 (rat) times the MRHD on a mg/m² basis. 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: Some clinical studies have shown that SSRIs (including paroxetine) may affect sperm quality during SSRI treatment, which may affect fertility in some men.

- A reduced pregnancy rate was found in reproduction studies in rats at a dose of paroxetine of 15 mg/kg/day, which is approximately twice the MRHD on a mg/m^2 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
- 820 25 mg/kg/day (approximately 8 and 4 times the MRHD on a mg/m² basis).
- Pregnancy: Pregnancy Category D. See WARNINGS: Usage in Pregnancy: *Teratogenic*

- 822 Effects and Nonteratogenic Effects.
- 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 CR is administered to a nursing woman.
- Pediatric Use: Safety and effectiveness in the pediatric population have not been established
- 827 (see BOX WARNING and WARNINGS: Clinical Worsening and Suicide Risk). Three placebo-
- controlled trials in 752 pediatric patients with MDD have been conducted with immediate-
- release PAXIL, and the data were not sufficient to support a claim for use in pediatric patients.
- Anyone considering the use of PAXIL CR in a child or adolescent must balance the potential
- risks with the clinical need. Decreased appetite and weight loss have been observed in association
- with the use of SSRIs. Consequently, regular monitoring of weight and growth should be performed
- in children and adolescents treated with an SSRI such as PAXIL CR.
- In placebo-controlled clinical trials conducted with pediatric patients, the following adverse
- events were reported in at least 2% of pediatric patients treated with immediate-release
- paroxetine hydrochloride and occurred at a rate at least twice that for pediatric patients receiving
- placebo: emotional lability (including self-harm, suicidal thoughts, attempted suicide, crying, and
- mood fluctuations), hostility, decreased appetite, tremor, sweating, hyperkinesia, and agitation.
- 839 Events reported upon discontinuation of treatment with immediate-release paroxetine
- 840 hydrochloride in the pediatric clinical trials that included a taper phase regimen, which occurred
- in at least 2% of patients who received immediate-release paroxetine hydrochloride and which
- occurred at a rate at least twice that of placebo, were: emotional lability (including suicidal
- ideation, suicide attempt, mood changes, and tearfulness), nervousness, dizziness, nausea, and
- abdominal pain (see DOSAGE AND ADMINISTRATION: Discontinuation of Treatment With
- 845 *PAXIL CR*).
- 846 **Geriatric Use:** SSRIs and SNRIs, including PAXIL CR, have been associated with cases of
- 847 clinically significant hyponatremia in elderly patients, who may be at greater risk for this adverse
- 848 event (see PRECAUTIONS: Hyponatremia).
- In worldwide premarketing clinical trials with immediate-release paroxetine hydrochloride,
- 850 17% of paroxetine-treated patients (approximately 700) were 65 years 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
- 854 PHARMACOLOGY and DOSAGE AND ADMINISTRATION).
- In a controlled study focusing specifically on elderly patients with major depressive disorder,
- 856 PAXIL CR was demonstrated to be safe and effective in the treatment of elderly patients (>60
- years) with major depressive disorder (see CLINICAL PHARMACOLOGY: Clinical Trials and
- 858 ADVERSE REACTIONS: Table 3.)

ADVERSE REACTIONS

The information included under the "Adverse Findings Observed in Short-Term,"

Placebo-Controlled Trials With PAXIL CR" 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 anxiety disorder, and 4 studies were done in female patients with PMDD. 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 focused on elderly patients (60 to 88 years), is presented separately as is the information from the panic disorder studies and the information from the PMDD studies. Information on additional adverse events associated with PAXIL CR and the immediate-release formulation of paroxetine hydrochloride is included in a separate subsection (see Other Events Observed During the Clinical Development of Paroxetine).

Adverse Findings Observed in Short-Term, Placebo-Controlled Trials With PAXIL CR:

Adverse Events Associated With Discontinuation of Treatment: *Major Depressive Disorder:* 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 $(\ge1\%)$ 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 (n = 212)	Placebo (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 discontinued 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 (5/186) 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%
Diarrhea	1.1%	0.5%

Premenstrual 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 (88/681) of patients treated with PAXIL CR in PMDD studies of continuous dosing discontinued treatment due to an adverse event.

The most common events (≥1%) associated with discontinuation in either group treated with PAXIL CR with an incidence rate that is at least twice that of placebo in PMDD trials 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 12.5 mg of PAXIL CR (as well as the placebo group).

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

a. 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, derived from Table 2) were: Abnormal ejaculation, abnormal vision, constipation, decreased libido, diarrhea, dizziness, female genital disorders, nausea, somnolence, sweating, 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 ejaculation, constipation, decreased appetite, dry mouth, impotence, infection, libido decreased, sweating, and tremor.

Panic Disorder: In the pool of panic disorder studies, the adverse events meeting these criteria were: Abnormal ejaculation, somnolence, impotence, libido decreased, tremor, sweating, and female genital disorders (generally anorgasmia or difficulty achieving orgasm).

Social Anxiety Disorder: In the social anxiety disorder study, the adverse events meeting these criteria were: Nausea, asthenia, abnormal ejaculation, sweating, somnolence, impotence, insomnia, and libido decreased.

Premenstrual Dysphoric Disorder: The most commonly observed adverse events associated with the use of PAXIL CR either during continuous dosing or luteal phase dosing (incidence of 5% or greater and incidence for PAXIL CR at least twice that for placebo, derived from Table 6) were: Nausea, asthenia, libido decreased, somnolence, insomnia, female genital disorders, sweating, dizziness, diarrhea, and constipation.

In the luteal phase dosing PMDD trial, which employed dosing of 12.5 mg/day or 25 mg/day

929 of PAXIL CR limited to the 2 weeks prior to the onset of menses over 3 consecutive menstrual 930 cycles, adverse events were evaluated during the first 14 days of each off-drug phase. When the 931 3 off-drug phases were combined, the following adverse events were reported at an incidence of 932 2% or greater for PAXIL CR and were at least twice the rate of that reported for placebo: 933 Infection (5.3% versus 2.5%), depression (2.8% versus 0.8%), insomnia (2.4% versus 0.8%), 934 sinusitis (2.4% versus 0%), and asthenia (2.0% versus 0.8%). **Incidence in Controlled Clinical Trials:** Table 2 enumerates adverse events that occurred at 935 936 an incidence of 1% or more among patients treated with PAXIL CR, aged 18 to 65, who 937 participated in 2 short-term (12-week) placebo-controlled trials in major depressive disorder in 938 which patients were dosed in a range of 25 mg to 62.5 mg/day. Table 3 enumerates adverse 939 events reported at an incidence of 5% or greater among elderly patients (ages 60 to 88) treated 940 with PAXIL CR who participated in a short-term (12-week) placebo-controlled trial in major 941 depressive disorder in which patients were dosed in a range of 12.5 mg to 50 mg/day. Table 4 942 enumerates adverse events reported at an incidence of 1% or greater among patients (19 to 72 943 years) treated with PAXIL CR who participated in short-term (10-week) placebo-controlled trials 944 in panic disorder in which patients were dosed in a range of 12.5 mg to 75 mg/day. Table 5 945 enumerates adverse events reported at an incidence of 1% or greater among adult patients treated 946 with PAXIL CR who participated in a short-term (12-week), double-blind, placebo-controlled 947 trial in social anxiety disorder in which patients were dosed in a range of 12.5 to 37.5 mg/day. 948 Table 6 enumerates adverse events that occurred at an incidence of 1% or more among patients 949 treated with PAXIL CR who participated in three, 12-week, placebo-controlled trials in PMDD 950 in which patients were dosed at 12.5 mg/day or 25 mg/day and in one 12-week 951 placebo-controlled trial in which patients were dosed for 2 weeks prior to the onset of menses 952 (luteal phase dosing) at 12.5 mg/day or 25 mg/day. Reported adverse events were classified 953 using a standard COSTART-based Dictionary terminology. 954 The prescriber should be aware that these figures cannot be used to predict the incidence of 955 side effects in the course of usual medical practice where patient characteristics and other factors 956 differ from those that prevailed in the clinical trials. Similarly, the cited frequencies cannot be 957 compared with figures obtained from other clinical investigations involving different treatments, 958 uses, and investigators. The cited figures, however, do provide the prescribing physician with 959 some basis for estimating the relative contribution of drug and nondrug factors to the side effect 960 incidence rate in the population studied.

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

	% Reporting Event	
	PAXIL CR	Placebo
Body System/Adverse Event	(n = 212)	(n = 211)
Body as a Whole		
Headache	27%	20%
Asthenia	14%	9%
Infection ^c	8%	5%
Abdominal Pain	7%	4%
Back Pain	5%	3%
Trauma ^d	5%	1%
Pain ^e	3%	1%
Allergic Reaction ^f	2%	1%
Cardiovascular System		
Tachycardia	1%	0%
Vasodilatation ^g	2%	0%
Digestive System		
Nausea	22%	10%
Diarrhea	18%	7%
Dry Mouth	15%	8%
Constipation	10%	4%
Flatulence	6%	4%
Decreased Appetite	4%	2%
Vomiting	2%	1%
Nervous System		
Somnolence	22%	8%
Insomnia	17%	9%
Dizziness	14%	4%
Libido Decreased	7%	3%
Tremor	7%	1%
Hypertonia	3%	1%
Paresthesia	3%	1%
Agitation	2%	1%
Confusion	1%	0%
Respiratory System		
Yawn	5%	0%
Rhinitis	4%	1%
Cough Increased	2%	1%
Bronchitis	1%	0%

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Skin and Appendages		
Sweating	6%	2%
Photosensitivity	2%	0%
Special Senses		
Abnormal Vision ^h	5%	1%
Taste Perversion	2%	0%
Urogenital System		
Abnormal Ejaculation ^{i,j}	26%	1%
Female Genital Disorder ^{i,k}	10%	<1%
Impotence ⁱ	5%	3%
Urinary Tract Infection	3%	1%
Menstrual Disorder ⁱ	2%	<1%
Vaginitis ⁱ	2%	0%

- a. 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, anxiety, arthralgia,
 depersonalization, dysmenorrhea, dyspepsia, hyperkinesia, increased appetite, myalgia,
 nervousness, pharyngitis, purpura, rash, respiratory disorder, sinusitis, urinary frequency, and
 weight gain.
- 970 b. <1% means greater than zero and less than 1%.
- 971 c. Mostly flu.
- 972 d. A wide variety of injuries with no obvious pattern.
- 973 e. Pain in a variety of locations with no obvious pattern.
- 974 f. Most frequently seasonal allergic symptoms.
- 975 g. Usually flushing.
- 976 h. Mostly blurred vision.
- 977 i. Based on the number of males or females.
- 978 j. Mostly anorgasmia or delayed ejaculation.
- 979 k. Mostly anorgasmia or delayed orgasm.

Table 3. Treatment-Emergent Adverse Events Occurring in ≥5% of
 Patients Treated With PAXIL CR in a Study of Elderly Patients With Major Depressive
 Disorder^{a,b}

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

a. Adverse events for which the PAXIL CR reporting incidence was less than or equal to the placebo incidence are not included. These events are nausea and respiratory disorder.

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

⁹⁸⁷ c. Based on the number of males.

d. Mostly anorgasmia or delayed ejaculation.

Table 4. Treatment-Emergent Adverse Events Occurring in ≥1% of Patients Treated With PAXIL CR in a Pool of 3 Panic Disorder Studies^{a,b}

PAAIL CR III a Pool of 3 Pani	% Reporting Event	
	PAXIL CR Placebo	
Body System/Adverse Event	(n = 444)	$(\mathbf{n} = 445)$
Body as a Whole		
Asthenia	15%	10%
Abdominal Pain	6%	4%
Trauma ^c	5%	4%
Cardiovascular System		
Vasodilation ^d	3%	2%
Digestive System		
Nausea	23%	17%
Dry Mouth	13%	9%
Diarrhea	12%	9%
Constipation	9%	6%
Decreased Appetite	8%	6%
Metabolic/Nutritional		
Disorders		
Weight Loss	1%	0%
Musculoskeletal System		
Myalgia	5%	3%
Nervous System		
Insomnia	20%	11%
Somnolence	20%	9%
Libido Decreased	9%	4%
Nervousness	8%	7%
Tremor	8%	2%
Anxiety	5%	4%
Agitation	3%	2%
Hypertonia ^e	2%	<1%
Myoclonus	2%	<1%
Respiratory System		
Sinusitis	8%	5%
Yawn	3%	0%
Skin and Appendages		
Sweating	7%	2%
Special Senses		
Abnormal Vision [†]	3%	<1%
Urogenital System		
Abnormal Ejaculation ^{g,h}	27%	3%
Impotence ^g	10%	1%
Female Genital Disorders ^{i,j}	7%	1%
Urinary Frequency	2%	<1%
Urination Impaired	2%	<1%
Vaginitis ⁱ	1%	<1%

- a. 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, bronchitis, chest pain, concentration impaired, confusion, cough increased, depression, dizziness, dysmenorrhea, dyspepsia, fever, flatulence, headache, increased appetite, infection, menstrual disorder, migraine, pain, paresthesia, pharyngitis, respiratory disorder, rhinitis, tachycardia, taste perversion, thinking abnormal, urinary tract infection, and vomiting.
- 998 b. <1% means greater than zero and less than 1%.
- 999 c. Various physical injuries.
- 1000 d. Mostly flushing.

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- 1001 e. Mostly muscle tightness or stiffness.
- 1002 f. Mostly blurred vision.
- 1003 g. Based on the number of male patients.
- 1004 h. Mostly anorgasmia or delayed ejaculation.
- i. Based on the number of female patients.
- 1006 j. Mostly anorgasmia or difficulty achieving orgasm.

Table 5. Treatment-Emergent Adverse Effects Occurring in ≥1% of Patients Treated With PAXIL CR in a Social Anxiety Disorder Study^{a,b}

	% Reporting Event				
	PAXIL CR	Placebo			
Body System/Adverse Event	(n = 186)	(n = 184)			
Body as a Whole					
Headache	23%	17%			
Asthenia	18%	7%			
Abdominal Pain	5%	4%			
Back Pain	4%	1%			
Trauma ^c	3%	<1%			
Allergic Reaction ^d	2%	<1%			
Chest Pain	1%	<1%			
Cardiovascular System					
Hypertension	2%	0%			
Migraine	2%	1%			
Tachycardia	2%	1%			
Digestive System					
Nausea	22%	6%			
Diarrhea	9%	8%			
Constipation	5%	2%			
Dry Mouth	3%	2%			
Dyspepsia	2%	<1%			
Decreased Appetite	1%	<1%			

Tooth Disorder	1%	0%
Metabolic/Nutritional		
Disorders		
Weight Gain	3%	1%
Weight Loss	1%	0%
Nervous System		
Insomnia	9%	4%
Somnolence	9%	4%
Libido Decreased	8%	1%
Dizziness	7%	4%
Tremor	4%	2%
Anxiety	2%	1%
Concentration Impaired	2%	0%
Depression	2%	1%
Myoclonus	1%	<1%
Paresthesia	1%	<1%
Respiratory System		
Yawn	2%	0%
Skin and Appendages		
Sweating	14%	3%
Eczema	1%	0%
Special Senses		
Abnormal Vision ^e	2%	0%
Abnormality of	2%	0%
Accommodation		
Urogenital System		
Abnormal Ejaculation ^{f,g}	15%	1%
Impotence ^f	9%	0%
Female Genital Disorders ^{h,i}	3%	0%

- a. 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: Dysmenorrhea, flatulence, gastroenteritis, hypertonia, infection, pain, pharyngitis, rash, respiratory disorder, rhinitis, and vomiting.
- b. <1% means greater than zero and less than 1%.
- 1014 c. Various physical injuries.
- d. Most frequently seasonal allergic symptoms.
- 1016 e. Mostly blurred vision.
- 1017 f. Based on the number of male patients.
- 1018 g. Mostly anorgasmia or delayed ejaculation.
- 1019 h. Based on the number of female patients.
- i. Mostly anorgasmia or difficulty achieving orgasm.

Table 6. 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^{a,b,c}

	rual Dysphoric Disorder Study With Luteal Phase Dosing """ % Reporting Event						
	Continuo	ıs Dosing	Luteal Phase Dosing				
Body System/Adverse	PAXIL CR	Placebo	PAXIL CR	Placebo			
Event	(n = 681)	(n = 349)	(n = 246)	(n = 120)			
Body as a Whole							
Asthenia	17%	6%	15%	4%			
Headache	15%	12%	-	-			
Infection	6%	4%	-	-			
Abdominal pain	-	-	3%	0%			
Cardiovascular System							
Migraine	1%	<1%	-				
Digestive System							
Nausea	17%	7%	18%	2%			
Diarrhea	6%	2%	6%	0%			
Constipation	5%	1%	2%	<1%			
Dry Mouth	4%	2%	2%	<1%			
Increased Appetite	3%	<1%	-	-			
Decreased Appetite	2%	<1%	2%	0%			
Dyspepsia	2%	1%	2%	2%			
Gingivitis	-	-	1%	0%			
Metabolic and							
Nutritional Disorders							
Generalized Edema	-	-	1%	<1%			
Weight Gain	-	-	1%	<1%			
Musculoskeletal							
System							
Arthralgia	2%	1%	-	-			
Nervous System							
Libido Decreased	12%	5%	9%	6%			
Somnolence	9%	2%	3%	<1%			
Insomnia	8%	2%	7%	3%			
Dizziness	7%	7% 3%		3%			
Tremor	4%	<1%	5%	0%			
Concentration Impaired	3%	<1%	1%	0%			
Nervousness	2%	<1%	3%	2%			
Anxiety	2%	1%	-				

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Lack of Emotion	2%	<1%	-	-
Depression	-	-	2%	<1%
Vertigo	-	-	2%	<1%
Abnormal Dreams	1%	<1%	-	-
Amnesia	-	-	1%	0%
Respiratory System				
Sinusitis	-	-	4%	2%
Yawn	2%	<1%	-	-
Bronchitis	-	-	2%	0%
Cough Increased	1%	<1%	-	-
Skin and Appendages				
Sweating	7%	<1%	6%	<1%
Special Senses				
Abnormal Vision	-	-	1%	0%
Urogenital System				
Female Genital	8%	1%	2%	0%
Disorders ^d				
Menorrhagia	1%	<1%	-	-
Vaginal Moniliasis	1%	<1%	-	-
Menstrual Disorder	-	-	1%	0%

- a. 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, pharyngitis, respiratory disorder, rhinitis, sinusitis, pruritis, dysmenorrhea, menstrual disorder, urinary tract infection, and vomiting. The events for luteal phase dosing are: Allergic reaction, back pain, headache, infection, pain, trauma, myalgia, anxiety, pharyngitis, respiratory disorder, cystitis, and dysmenorrhea.
- b. <1% means greater than zero and less than 1%.
- c. The luteal 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 6 should be avoided.
- d. Mostly anorgasmia or difficulty achieving orgasm.

Dose Dependency of Adverse Events: Table 7 shows results in PMDD trials of common adverse events, defined as events with an incidence of ≥1% with 25 mg of PAXIL CR that was at least twice that with 12.5 mg of PAXIL CR and with placebo.

Table 7. 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	PAXIL CR	Placebo
	25 mg	12.5 mg	(n = 349)
	(n = 348)	(n = 333)	
Common Adverse Event			
Sweating	8.9%	4.2%	0.9%
Tremor	6.0%	1.5%	0.3%
Concentration Impaired	4.3%	1.5%	0.6%
Yawn	3.2%	0.9%	0.3%
Paresthesia	1.4%	0.3%	0.3%
Hyperkinesia	1.1%	0.3%	0.0%
Vaginitis	1.1%	0.3%	0.3%

A comparison of adverse event rates in a fixed-dose study comparing immediate-release paroxetine 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 paroxetine.

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 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.

The percentage of patients reporting symptoms of sexual dysfunction in the pool of 2 placebo-controlled trials in nonelderly patients with major depressive disorder, in the pool of 3 placebo-controlled trials in patients with panic disorder, in the placebo-controlled trial in patients with social anxiety disorder, and in the intermittent dosing and the pool of 3 placebo-controlled continuous dosing trials in female patients with PMDD are as follows:

	Major Depressive Disorder		Panic Disorder		Social Anxiety Disorder		PMDD 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%	n/a	n/a	n/a	n/a
Impotence	5%	3%	10%	1%	9%	0%	n/a	n/a	n/a	n/a
n (females)	134	133	282	251	98	87	681	349	246	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 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 paroxetine for some patients but, on average, patients in controlled trials with PAXIL CR or the immediate-release formulation, had minimal weight loss (about 1 pound). No significant changes in vital signs (systolic and diastolic blood pressure, pulse, and temperature) were observed in patients treated with PAXIL CR, or immediate-release paroxetine hydrochloride, in controlled clinical trials.

ECG Changes: In an analysis of ECGs obtained in 682 patients treated with immediate-release paroxetine 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 a pool of 2 placebo-controlled clinical trials, patients treated with PAXIL CR or placebo exhibited abnormal values on liver function tests at comparable rates. In particular, the controlled-release paroxetine-versus-placebo comparisons for alkaline phosphatase, SGOT, SGPT, and bilirubin revealed no differences in the percentage of patients with marked abnormalities.

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 liver 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 transaminase 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 liver function tests at no greater rate than that seen in placebo-treated patients.

Hallucinations: In pooled clinical trials of immediate-release paroxetine hydrochloride, hallucinations were observed in 22 of 9,089 patients receiving drug and in 4 of 3,187 patients receiving placebo.

Other Events Observed During the Clinical Development of Paroxetine: The following adverse events were reported during the clinical development of PAXIL CR and/or the clinical development of the immediate-release formulation of paroxetine.

Adverse events for which frequencies are provided below occurred in clinical trials with the controlled-release formulation of paroxetine. During its premarketing assessment in major depressive disorder, panic disorder, social anxiety disorder, and PMDD, multiple doses of PAXIL CR were administered to 1,627 patients in phase 3 double-blind, controlled, outpatient studies. 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 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 while receiving PAXIL CR. All reported events are included except those already listed in Tables 2 through 7 and those events where a drug cause was remote. If the COSTART 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 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.

Adverse events for which frequencies are not provided occurred during the premarketing assessment of immediate-release paroxetine in phase 2 and 3 studies of major depressive disorder, obsessive compulsive disorder, panic disorder, social anxiety disorder, generalized

- anxiety disorder, and posttraumatic stress disorder. The conditions and duration of exposure to immediate-release paroxetine 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. Only those events not previously listed for controlled-release paroxetine are included. The extent to which these events may be associated with PAXIL CR is
 - Events are listed alphabetically within the respective body system. Events of major clinical importance are also described in the PRECAUTIONS section.
 - **Body as a Whole:** Infrequent were chills, face edema, fever, flu syndrome, malaise; rare were abscess, anaphylactoid reaction, anticholinergic syndrome, hypothermia; also observed were adrenergic syndrome, neck rigidity, sepsis.
 - *Cardiovascular System:* Infrequent were angina pectoris, bradycardia, hematoma, hypertension, hypotension, palpitation, postural hypotension, supraventricular tachycardia, syncope; rare were bundle branch block; also observed were arrhythmia nodal, atrial fibrillation, cerebrovascular accident, congestive heart failure, low cardiac output, myocardial infarct, myocardial ischemia, pallor, phlebitis, pulmonary embolus, supraventricular extrasystoles, thrombophlebitis, thrombosis, vascular headache, ventricular extrasystoles.
 - Digestive System: Infrequent were bruxism, dysphagia, eructation, gastritis, gastroenteritis, gastroesophageal reflux, gingivitis, hemorrhoids, liver function test abnormal, melena, pancreatitis, rectal hemorrhage, toothache, ulcerative stomatitis; rare were colitis, glossitis, gum hyperplasia, hepatosplenomegaly, increased salivation, intestinal obstruction, peptic ulcer, stomach ulcer, throat tightness; also observed were aphthous stomatitis, bloody diarrhea, bulimia, cardiospasm, cholelithiasis, duodenitis, enteritis, esophagitis, fecal impactions, fecal incontinence, gum hemorrhage, hematemesis, hepatitis, ileitis, ileus, jaundice, mouth ulceration, salivary gland enlargement, sialadenitis, stomatitis, tongue discoloration, tongue edema.
 - **Endocrine System:** Infrequent were ovarian cyst, testes pain; rare were diabetes mellitus, hyperthyroidism; also observed were goiter, hypothyroidism, thyroiditis.
 - *Hemic and Lymphatic System:* Infrequent were anemia, eosinophilia, hypochromic anemia, leukocytosis, leukopenia, lymphadenopathy, purpura; rare were thrombocytopenia; also observed were anisocytosis, basophilia, bleeding time increased, lymphedema, lymphocytosis, lymphopenia, microcytic anemia, monocytosis, normocytic anemia, thrombocythemia.
 - *Metabolic and Nutritional Disorders:* Infrequent were generalized edema, hyperglycemia, hypokalemia, peripheral edema, SGOT increased, SGPT increased, thirst; rare were bilirubinemia, dehydration, hyperkalemia, obesity; also observed were alkaline phosphatase increased, BUN increased, creatinine phosphokinase increased, gamma globulins increased, gout, hypercalcemia, hypercholesteremia, hyperphosphatemia, hypocalcemia, hypoglycemia, hyponatremia, ketosis, lactic dehydrogenase increased, non-protein nitrogen (NPN) increased.
- Musculoskeletal System: Infrequent were arthritis, bursitis, tendonitis; rare were myasthenia, myopathy, myositis; also observed were generalized spasm, osteoporosis,

unknown.

tenosynovitis, tetany.

Nervous System: Frequent were depression; infrequent were amnesia, convulsion, depersonalization, dystonia, emotional lability, hallucinations, hyperkinesia, hypesthesia, hypokinesia, incoordination, libido increased, neuralgia, neuropathy, nystagmus, paralysis, vertigo; rare were ataxia, coma, diplopia, dyskinesia, hostility, paranoid reaction, torticollis, withdrawal syndrome; also observed were abnormal gait, akathisia, akinesia, aphasia, choreoathetosis, circumoral paresthesia, delirium, delusions, dysarthria, euphoria, extrapyramidal syndrome, fasciculations, grand mal convulsion, hyperalgesia, irritability, manic reaction, manic-depressive reaction, meningitis, myelitis, peripheral neuritis, psychosis, psychotic depression, reflexes decreased, reflexes increased, stupor, trismus.

Respiratory System: Frequent were pharyngitis; infrequent were asthma, dyspnea, epistaxis, laryngitis, pneumonia; rare were stridor; also observed were dysphonia, emphysema, hemoptysis, hiccups, hyperventilation, lung fibrosis, pulmonary edema, respiratory flu, sputum increased.

Skin and Appendages: Frequent were rash; infrequent were acne, alopecia, dry skin, eczema, pruritus, urticaria; rare were exfoliative dermatitis, furunculosis, pustular rash, seborrhea; also observed were angioedema, ecchymosis, erythema multiforme, erythema nodosum, hirsutism, maculopapular rash, skin discoloration, skin hypertrophy, skin ulcer, sweating decreased, vesiculobullous rash.

Special Senses: Infrequent were conjunctivitis, earache, keratoconjunctivitis, mydriasis, photophobia, retinal hemorrhage, tinnitus; rare were blepharitis, visual field defect; also observed were amblyopia, anisocoria, blurred vision, cataract, conjunctival edema, corneal ulcer, deafness, exophthalmos, glaucoma, hyperacusis, night blindness, parosmia, ptosis, taste loss.

Urogenital System: Frequent were dysmenorrhea*; infrequent were albuminuria, amenorrhea*, breast pain*, cystitis, dysuria, prostatitis*, urinary retention; rare were breast enlargement*, breast neoplasm*, female lactation, hematuria, kidney calculus, metrorrhagia*, nephritis, nocturia, pregnancy and puerperal disorders*, salpingitis, urinary incontinence, uterine fibroids enlarged*; also observed were breast atrophy, ejaculatory disturbance, endometrial disorder, epididymitis, fibrocystic breast, leukorrhea, mastitis, oliguria, polyuria, pyuria, urethritis, urinary casts, urinary urgency, urolith, uterine spasm, vaginal hemorrhage.
*Based on the number of men and women as appropriate.

Based on the number of then and women as appropriate.

Postmarketing Reports: Voluntary reports of adverse events in patients taking immediate-release paroxetine hydrochloride 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, Stevens-Johnson syndrome, toxic epidermal necrolysis, priapism, syndrome of inappropriate ADH secretion, symptoms suggestive of prolactinemia and galactorrhea; extrapyramidal symptoms which have included akathisia, bradykinesia, cogwheel rigidity, dystonia, hypertonia, oculogyric crisis which has been associated with concomitant use of

1207 pimozide; tremor and trismus; status epilepticus, acute renal failure, pulmonary hypertension, 1208 allergic alveolitis, anaphylaxis, eclampsia, laryngismus, optic neuritis, porphyria, restless legs 1209 syndrome (RLS), ventricular fibrillation, ventricular tachycardia (including torsade de pointes), 1210 thrombocytopenia, hemolytic anemia, events related to impaired hematopoiesis (including 1211 aplastic anemia, pancytopenia, bone marrow aplasia, and agranulocytosis), and vasculitic 1212 syndromes (such as Henoch-Schönlein purpura). There has been a case report of an elevated 1213 phenytoin level after 4 weeks of immediate-release paroxetine and phenytoin coadministration. 1214 There has been a case report of severe hypotension when immediate-release paroxetine was 1215 added to chronic metoprolol treatment. 1216 DRUG ABUSE AND DEPENDENCE 1217 **Controlled Substance Class:** PAXIL CR is not a controlled substance. 1218 Physical and Psychologic Dependence: PAXIL CR has not been systematically studied 1219 in animals or humans for its potential for abuse, tolerance or physical dependence. While the 1220 clinical trials did not reveal any tendency for any drug-seeking behavior, these observations were 1221 not systematic and it is not possible to predict on the basis of this limited experience the extent to 1222 which a CNS-active drug will be misused, diverted, and/or abused once marketed. Consequently, 1223 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, 1224 1225 incrementations of dose, drug-seeking behavior). 1226 **OVERDOSAGE** 1227 **Human Experience:** Since the introduction of immediate-release paroxetine hydrochloride in 1228 the United States, 342 spontaneous cases of deliberate or accidental overdosage during 1229 paroxetine treatment have been reported worldwide (circa 1999). These include overdoses with 1230 paroxetine alone and in combination with other substances. Of these, 48 cases were fatal and of 1231 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 1232 1233 alcohol or the presence of significant comorbid conditions. Of 145 non-fatal cases with known 1234 outcome, most recovered without sequelae. The largest known ingestion involved 2,000 mg of 1235 paroxetine (33 times the maximum recommended daily dose) in a patient who recovered. 1236 Commonly reported adverse events associated with paroxetine overdosage include 1237 somnolence, coma, nausea, tremor, tachycardia, confusion, vomiting, and dizziness. Other 1238 notable signs and symptoms observed with overdoses involving paroxetine (alone or with other 1239 substances) include mydriasis, convulsions (including status epilepticus), ventricular 1240 dysrhythmias (including torsade de pointes), hypertension, aggressive reactions, syncope, 1241 hypotension, stupor, bradycardia, dystonia, rhabdomyolysis, symptoms of hepatic dysfunction 1242 (including hepatic failure, hepatic necrosis, jaundice, hepatitis, and hepatic steatosis), serotonin 1243 syndrome, manic reactions, myoclonus, acute renal failure, and urinary retention. 1244 **Overdosage Management:** No specific antidotes for paroxetine are known. Treatment

should consist of those general measures employed in the management of overdosage with any

1246 drugs effective in the treatment of major depressive disorder. 1247 Ensure an adequate airway, oxygenation, and ventilation. Monitor cardiac rhythm and vital 1248 signs. General supportive and symptomatic measures are also recommended. Induction of emesis 1249 is not recommended. Due to the large volume of distribuiton of this drug, forced diuresis, 1250 dialysis, hemoperfusion, or exchange perfusion are unlikely to be of benefit. 1251 A specific caution involves patients taking or recently having taken paroxetine who might 1252 ingest excessive quantities of a tricyclic antidepressant. In such a case, accumulation of the 1253 parent tricyclic and an active metabolite may increase the possibility of clinically significant 1254 sequelae and extend the time needed for close medical observation (see PRECAUTIONS: Drugs 1255 Metabolized by Cytochrome CYP2D6). 1256 In managing overdosage, consider the possibility of multiple-drug involvement. The physician 1257 should consider contacting a poison control center for additional information on the treatment of 1258 any overdose. Telephone numbers for certified poison control centers are listed in the *Physicians'* 1259 Desk Reference (PDR). 1260 DOSAGE AND ADMINISTRATION 1261 Major Depressive Disorder: Usual Initial Dosage: PAXIL CR should be administered as 1262 a single daily dose, usually in the morning, with or without food. The recommended initial dose 1263 is 25 mg/day. Patients were dosed in a range of 25 mg to 62.5 mg/day in the clinical trials demonstrating the effectiveness of PAXIL CR in the treatment of major depressive disorder. As 1264 1265 with all drugs effective in the treatment of major depressive disorder, the full effect may be 1266 delayed. Some patients not responding to a 25-mg dose may benefit from dose increases, in 1267 12.5-mg/day increments, up to a maximum of 62.5 mg/day. Dose changes should occur at 1268 intervals of at least 1 week. 1269 Patients should be cautioned that PAXIL CR should not be chewed or crushed, and should be 1270 swallowed whole. 1271 **Maintenance Therapy:** There is no body of evidence available to answer the question of 1272 how long the patient treated with PAXIL CR should remain on it. It is generally agreed that acute 1273 episodes of major depressive disorder require several months or longer of sustained 1274 pharmacologic therapy. Whether the dose of an antidepressant needed to induce remission is 1275 identical to the dose needed to maintain and/or sustain euthymia is unknown. 1276 Systematic evaluation of the efficacy of immediate-release paroxetine hydrochloride has 1277 shown that efficacy is maintained for periods of up to 1 year with doses that averaged about 1278

30 mg, which corresponds to a 37.5-mg dose of PAXIL CR, based on relative bioavailability

considerations (see CLINICAL PHARMACOLOGY: Pharmacokinetics).

- 1280 **Panic Disorder:** *Usual Initial Dosage:* PAXIL CR should be administered as a single daily
- dose, usually in the morning. Patients should be started on 12.5 mg/day. Dose changes should
- occur in 12.5-mg/day increments and at intervals of at least 1 week. Patients were dosed in a
- range of 12.5 to 75 mg/day in the clinical trials demonstrating the effectiveness of PAXIL CR.
- The maximum dosage should not exceed 75 mg/day.
- Patients should be cautioned that PAXIL CR should not be chewed or crushed, and should be swallowed whole.
- 1287 **Maintenance Therapy:** Long-term maintenance of efficacy with the immediate-release
- formulation of paroxetine was demonstrated in a 3-month relapse prevention trial. In this trial,
- patients with panic disorder assigned to immediate-release paroxetine demonstrated a lower
- relapse rate compared to patients on placebo. 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.
- 1294 Social Anxiety Disorder: Usual Initial Dosage: PAXIL CR should be administered as a
- single daily dose, usually in the morning, with or without food. The recommended initial dose is
- 1296 12.5 mg/day. Patients were dosed in a range of 12.5 mg to 37.5 mg/day in the clinical trial
- demonstrating the effectiveness of PAXIL CR in the treatment of social anxiety disorder. If the
- dose is increased, this should occur at intervals of at least 1 week, in increments of 12.5 mg/day,
- 1299 up to a maximum of 37.5 mg/day.
- Patients should be cautioned that PAXIL CR should not be chewed or crushed, and should be swallowed whole.
- 1302 **Maintenance Therapy:** There is no body of evidence available to answer the question of
- how long the patient treated with PAXIL CR should remain on it. Although the efficacy of
- 1304 PAXIL CR 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.
- 1309 Premenstrual Dysphoric Disorder: *Usual Initial Dosage:* PAXIL CR should be
- administered as a single daily dose, usually in the morning, with or without food. PAXIL CR
- may be administered either daily throughout the menstrual cycle or limited to the luteal phase of
- the menstrual cycle, depending on physician assessment. The recommended initial dose is
- 1313 12.5 mg/day. In clinical trials, both 12.5 mg/day and 25 mg/day were shown to be effective.
- Dose changes should occur at intervals of at least 1 week.
- Patients should be cautioned that PAXIL CR should not be chewed or crushed, and should be
- 1316 swallowed whole.
- 1317 *Maintenance/Continuation Therapy:* The effectiveness of PAXIL CR for a period
- 1318 exceeding 3 menstrual cycles has not been systematically evaluated in controlled trials.
- However, women commonly report that symptoms worsen with age until relieved by the onset of

menopause. Therefore, it is reasonable to consider continuation of a responding patient. Patients

1321	should be periodically reassessed to determine the need for continued treatment.
1322	Special Populations: Treatment of Pregnant Women During the Third Trimester:
1323	Neonates exposed to PAXIL CR and other SSRIs or SNRIs, late in the third trimester have
1324	developed complications requiring prolonged hospitalization, respiratory support, and tube
1325	feeding (see WARNINGS: Usage in Pregnancy). When treating pregnant women with paroxetine
1326	during the third trimester, the physician should carefully consider the potential risks and benefits
1327	of treatment. The physician may consider tapering paroxetine in the third trimester.
1328	Dosage for Elderly or Debilitated Patients, and Patients With Severe Renal or
1329	Hepatic Impairment: The recommended initial dose of PAXIL CR is 12.5 mg/day for elderly
1330	patients, debilitated patients, and/or patients with severe renal or hepatic impairment. Increases
1331	may be made if indicated. Dosage should not exceed 50 mg/day.
1332	Switching Patients to or From a Monoamine Oxidase Inhibitor Antidepressant: At
1333	least 14 days should elapse between discontinuation of an MAOI intended to treat depression and
1334	initiation of therapy with PAXIL CR. Conversely, at least 14 days should be allowed after
1335	stopping PAXIL CR before starting an MAOI antidepressant (see CONTRAINDICATIONS).
1336	Use of PAXIL CR With Reversible MAOIs Such as Linezolid or Methylene Blue: Do
1337	not start PAXIL CR in a patient who is being treated with linezolid or methylene blue because
1338	there is increased risk of serotonin syndrome or NMS-like reactions. In a patient who requires
1339	more urgent treatment of a psychiatric condition, non-pharmacological interventions, including
1340	hospitalization, should be considered (see CONTRAINDICATIONS). In some cases, a patient
1341	receiving therapy with PAXIL CR may require urgent treatment with linezolid or methylene
1342	blue. If acceptable alternatives to linezolid or methylene blue treatment are not available and the
1343	potential benefits of linezolid or methylene blue treatment are judged to outweigh the risks of
1344	serotonin syndrome or NMS-like reactions in a particular patient, PAXIL CR should be stopped
1345	promptly, and linezolid or methylene blue can be administered. The patient should be monitored
1346	for symptoms of serotonin syndrome or NMS-like reactions for 2 weeks or until 24 hours after
1347	the last dose of linezolid or methylene blue, whichever comes first. Therapy with PAXIL CR
1348	may be resumed 24 hours after the last dose of linezolid or methylene blue (see WARNINGS).
1349	Discontinuation of Treatment With PAXIL CR: Symptoms associated with discontinuation
1350	of immediate-release paroxetine hydrochloride or PAXIL CR have been reported (see
1351	PRECAUTIONS: Discontinuation of Treatment with PAXIL CR). Patients should be monitored
1352	for these symptoms when discontinuing treatment, regardless of the indication for which PAXIL
1353	CR is being prescribed. A gradual reduction in the dose rather than abrupt cessation is
1354	recommended whenever possible. If intolerable symptoms occur following a decrease in the dose
1355	or upon discontinuation of treatment, then resuming the previously prescribed dose may be
1356	considered. Subsequently, the physician may continue decreasing the dose but at a more gradual
1357	rate.

1358	HOW SUPPLIED
1359	PAXIL CR is supplied as an enteric film-coated, controlled-release, round tablet, as follows:
1360	12.5-mg yellow tablets
1361	NDC 0029-3206-13 Bottles of 30 (engraved with PAXIL CR and 12.5)
1362	NDC 0029-4606-13 Bottles of 30 (engraved with GSK and 12.5)
1363	25-mg pink tablets
1364	NDC 0029-3207-13 Bottles of 30 (engraved with PAXIL CR and 25)
1365	NDC 0029-4607-13 Bottles of 30 (engraved with GSK and 25)
1366	37.5 mg blue tablets
1367	NDC 0029-3208-13 Bottles of 30 (engraved with PAXIL CR and 37.5)
1368	NDC 0029-4608-13 Bottles of 30 (engraved with GSK and 37.5)
1369	Store at or below 25°C (77°F) [see USP].
1370	
1371	PAXIL CR is a registered trademark of GlaxoSmithKline.
1372	GEOMATRIX is a trademark of Jago Pharma, Muttenz, Switzerland.
1373 1374	gsk GlaxoSmithKline
	GlaxoSmithKline
	Research Triangle Park, NC 27709
1375	©2011, GlaxoSmithKline. All rights reserved.
1376	
1377 1378	Month 2011 PCR: XXPI

1379	
1380	Medication Guide
1381	PAXIL CR® (PAX-il) (paroxetine hydrochloride)
1382	Controlled-Release Tablets
1383	
1384	Read the Medication Guide that comes with PAXIL CR before you start taking it and each
1385	time you get a refill. There may be new information. This Medication Guide does not take
1386	the place of talking to your healthcare provider about your medical condition or treatment.
1387	Talk with your healthcare provider if there is something you do not understand or want to
1388	learn more about.
1389	
1390	What is the most important information I should know about PAXIL CR?
1391	PAXIL CR and other antidepressant medicines may cause serious side effects, including:
1392	1. Suicidal thoughts or actions:
1393	 PAXIL CR and other antidepressant medicines may increase suicidal thoughts or
1394	actions in some children, teenagers, and young adults within the first few months of
1395	treatment or when the dose is changed.
1396	 Depression or other serious mental illnesses are the most important causes of suicidal
1397	thoughts and actions.
1398	• Watch for these changes, and call your healthcare provider right away if you notice:
1399	• New or sudden changes, in mood, behavior, actions, thoughts, or feelings, especially if
1400	severe.
1401	• Pay particular attention to such changes when PAXIL CR is started or when the dose is
1402	changed.
1403	Keep all follow-up visits with your healthcare provider and call between visits if you are
1404	worried about symptoms.
1405	
1406	Call your healthcare provider right away if you have any of the following symptoms, or call
1407	911 if an emergency, especially if they are new, worse, or worry you:
1408	attempts to commit suicide
1409	acting on dangerous impulses
1410	acting aggressive or violent
1411	thoughts about suicide or dying
1412	new or worse depression
1413	new or worse anxiety or panic attacks
1414	• feeling agitated, restless, angry, or irritable
1415	• trouble sleeping
1416	• an increase in activity and talking more than what is normal for you
1417	 other unusual changes in behavior or mood
1418	

1419 Call your healthcare provider right away if you have any of the following symptoms, or call 1420 911 if an emergency. PAXIL CR may be associated with these serious side effects: 1421 Serotonin Syndrome or Neuroleptic Malignant Syndrome-like reactions. This 1422 condition can be life-threatening and may include: 1423 agitation, hallucinations, coma, or other changes in mental status 1424 coordination problems or muscle twitching (overactive reflexes) 1425 racing heartbeat, high or low blood pressure 1426 sweating or fever 1427 nausea, vomiting, or diarrhea 1428 • muscle rigidity 1429 **Severe allergic reactions:** 3. 1430 • trouble breathing swelling of the face, tongue, eyes, or mouth 1431 1432 rash, itchy welts (hives), or blisters, alone or with fever or joint pain 1433 4. Abnormal bleeding: PAXIL CR and other antidepressant medicines may increase your risk of bleeding or bruising, especially if you take the blood thinner warfarin (Coumadin[®]), 1434 Jantoven[®]), a non-steroidal anti- inflammatory drug (NSAIDs, like ibuprofen or naproxen), 1435 1436 or aspirin. 1437 **Seizures or convulsions** 5. 1438 6. **Manic episodes:** 1439 greatly increased energy 1440 severe trouble sleeping 1441 racing thoughts • 1442 reckless behavior 1443 • unusually grand ideas 1444 excessive happiness or irritability 1445 talking more or faster than usual 1446 7. Changes in appetite or weight. Children and adolescents should have height and weight monitored during treatment. 1447 Low salt (sodium) levels in the blood. 1448 8. 1449 Elderly people may be at greater risk for this. Symptoms may include: 1450 headache weakness or feeling unsteady 1451 1452 confusion, problems concentrating or thinking, or memory problems 1453 1454 Do not stop PAXIL CR without first talking to your healthcare provider. Stopping PAXIL 1455 CR too quickly may cause serious symptoms including: 1456 anxiety, irritability, high or low mood, feeling restless, or changes in sleep habits 1457 headache, sweating, nausea, dizziness

electric shock-like sensations, shaking, confusion

1459	
1460	What is PAXIL CR?
1461	PAXIL CR is a prescription medicine used to treat depression. It is important to talk with your
1462	healthcare provider about the risks of treating depression and also the risks of not treating it. You
1463	should discuss all treatment choices with your healthcare provider. PAXIL CR is also used to
1464	treat:
1465	Major Depressive Disorder (MDD)
1466	Panic Disorder
1467	Social Anxiety Disorder
1468	 Premenstrual Dysphoric Disorder (PMDD)
1469	Talk to your healthcare provider if you do not think that your condition is getting better with
1470	treatment using PAXIL CR.
1471	
1472	Who should not take PAXIL CR?
1473	Do not take PAXIL CR if you:
1474	• are allergic to paroxetine or any of the ingredients in PAXIL CR. See the end of this
1475	Medication Guide for a complete list of ingredients in PAXIL CR.
1476	• take a monoamine oxidase inhibitor (MAOI). Ask your healthcare provider or pharmacist if
1477	you are not sure if you take an MAOI, including the antibiotic linezolid.
1478	• Do not take an MAOI within 2 weeks of stopping PAXIL CR unless directed to do so by
1479	your physician.
1480	 Do not start PAXIL CR if you stopped taking an MAOI in the last 2 weeks unless
1481	directed to do so by your physician.
1482	 People who take PAXIL CR close in time to an MAOI may have serious or even life-
1483	threatening side effects. Get medical help right away if you have any of these
1484	symptoms:
1485	• high fever
1486	uncontrolled muscle spasms
1487	• stiff muscles
1488	 rapid changes in heart rate or blood pressure
1489	• confusion
1490	• loss of consciousness (pass out)
1491	• take MELLARIL® (thioridazine). Do not take MELLARIL® together with PAXIL CR
1492	because this can cause serious heart rhythm problems or sudden death.
1493	• take the antipsychotic medicine pimozide (ORAP®) because this can cause serious heart
1494	problems.
1495	What should I tall my healthcore provides before taking DAVII CD9 Ask if
1496	What should I tell my healthcare provider before taking PAXIL CR? Ask if you are not
1497	sure.

- Before starting PAXIL CR, tell your healthcare provider if you:
- are pregnant, may be pregnant, or plan to become pregnant. There is a possibility that
- 1500 PAXIL CR may harm your unborn baby, including an increased risk of birth defects,
- particularly heart defects. Other risks may include a serious condition in which there is not
- enough oxygen in the baby's blood. Your baby may also have certain other symptoms shortly
- after birth. Premature births have also been reported in some women who used PAXIL CR
- during pregnancy.
- **are breastfeeding.** PAXIL CR passes into your milk. Talk to your healthcare provider about the best way to feed your baby while taking PAXIL CR.
- are taking certain drugs such as:
- triptans used to treat migraine headache
- other antidepressants (SSRIs, SNRIs, tricyclics, or lithium) or antipsychotics
- drugs that affect serotonin, such as lithium, tramadol, tryptophan, St. John's wort
- certain drugs used to treat irregular heart beats
- certain drugs used to treat schizophrenia
- certain drugs used to treat HIV infection
- certain drugs that affect the blood, such as warfarin, aspirin, and ibuprofen
- certain drugs used to treat epilepsy
- 1516 atomoxetine
- 1517 cimetidine
- 1518 fentanyl
- metoprolol
- 1520 pimozide
- 1521 procyclidine
- 1522 tamoxifen
- have liver problems
- have kidney problems
- have heart problems
- have or had seizures or convulsions
- have bipolar disorder or mania
- have low sodium levels in your blood
- have a history of a stroke
- have high blood pressure
- have or had bleeding problems
- have glaucoma (high pressure in the eye)
- 1534 **Tell your healthcare provider about all the medicines you take**, including prescription and
- non-prescription medicines, vitamins, and herbal supplements. PAXIL CR and some medicines
- may interact with each other, may not work as well, or may cause serious side effects.

1537 Your healthcare provider or pharmacist can tell you if it is safe to take PAXIL CR with your 1538 other medicines. Do not start or stop any medicine while taking PAXIL CR without talking to 1539 your healthcare provider first. 1540 If you take PAXIL CR, you should not take any other medicines that contain paroxetine, including PAXIL and PEXEVA® (paroxetine mesylate). 1541 1542 1543 How should I take PAXIL CR? 1544 Take PAXIL CR exactly as prescribed. Your healthcare provider may need to change the 1545 dose of PAXIL CR until it is the right dose for you. 1546 • PAXIL CR may be taken with or without food. 1547 • PAXIL CR controlled-release tablets should not be chewed or crushed and should be 1548 swallowed whole. 1549 • If you miss a dose of PAXIL CR, take the missed dose as soon as you remember. If it is 1550 almost time for the next dose, skip the missed dose and take your next dose at the regular 1551 time. Do not take two doses of PAXIL CR at the same time. 1552 • If you take too much PAXIL CR, call your healthcare provider or poison control center right 1553 away, or get emergency treatment. 1554 • Do not stop taking PAXIL CR suddenly without talking to your doctor (unless you have 1555 symptoms of a severe allergic reaction). If you need to stop taking PAXIL CR, your 1556 healthcare provider can tell you how to safely stop taking it. 1557 1558 What should I avoid while taking PAXIL CR? 1559 PAXIL CR can cause sleepiness or may affect your ability to make decisions, think clearly, or 1560 react quickly. You should not drive, operate heavy machinery, or do other dangerous activities 1561 until you know how PAXIL CR affects you. Do not drink alcohol while using PAXIL CR. 1562 1563 What are possible side effects of PAXIL CR? PAXIL CR may cause serious side effects, including all of those described in the section entitled 1564 1565 "What is the most important information I should know about PAXIL CR?" 1566 Common possible side effects in people who take PAXIL CR include: 1567 nausea 1568 sleepiness 1569 feeling anxious or trouble sleeping 1570 sexual problems 1571 sweating 1572 shaking

15731574

constipation

yawning

1575	• blurred vision
1576	• diarrhea
1577	• dry mouth
1578	 decreased appetite
1579	• weakness
1580	
1581	Tell your healthcare provider if you have any side effect that bothers you or that does not go
1582	away. These are not all the possible side effects of PAXIL CR. For more information, ask your
1583	healthcare provider or pharmacist.
1584	
1585	CALL YOUR DOCTOR FOR MEDICAL ADVICE ABOUT SIDE EFFECTS. YOU MAY
1586	REPORT SIDE EFFECTS TO THE FDA AT 1-800-FDA-1088 or 1-800-332-1088.
1587	
1588	How should I store PAXIL CR?
1589	• Store PAXIL CR at or below room temperature (77°F or 25°C).
1590	Keep PAXIL CR away from light.
1591	Keep bottle of PAXIL CR closed tightly.
1592	Keep PAXIL CR and all medicines out of the reach of children.
1593	recp 1 mail or and an incurcines out of the reach of children.
1594	General information about PAXIL CR
1595	Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide.
1596	Do not use PAXIL CR for a condition for which it was not prescribed. Do not give PAXIL CR to
1597	other people, even if they have the same condition. It may harm them.
1598	This Medication Cuide summarizes the most important information shout DAVII CD. If you
1599 1600	This Medication Guide summarizes the most important information about PAXIL CR. If you would like more information, talk with your healthcare provider. You may ask your healthcare
1601	provider or pharmacist for information about PAXIL CR that is written for healthcare
1602	professionals.
1603	professionals.
1604	For more information about PAXIL CR call 1-888-825-5249 or go to www.us.gsk.com.
1605	To more information about 1714112 CR can 1 000 023 32 17 of go to www.us.gsk.com.
1606	What are the ingredients in PAXIL CR?
	-
1607	Active ingredient: paroxetine hydrochloride Inactive ingredients in tablets: hydrochloride and hydrochloride ingredients in tablets: hydrochloride
1608 1609	Inactive ingredients in tablets: hypromellose, polyvinylpyrrolidone, lactose monohydrate,
1610	magnesium stearate, silicon dioxide, glyceryl behenate, methacrylic acid copolymer type C,
1611	sodium lauryl sulfate, polysorbate 80, talc, triethyl citrate, titanium dioxide, polyethylene
1612	glycols, and 1 or more of the following colorants: Yellow ferric oxide, red ferric oxide, D&C Red No. 30 aluminum lake, FD&C Yellow No. 6 aluminum lake, D&C Yellow No. 10
1613	aluminum lake, FD&C Blue No. 2 aluminum lake.
1013	arunnnum take, redece diue no. 4 atuninnum take.

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1616	are trademarks of their respective owners and are not trademarks of GlaxoSmithKline. The
1617	makers of these brands are not affiliated with and do not endorse GlaxoSmithKline or its
1618	products.
1619	
1620	This Medication Guide has been approved by the U.S. Food and Drug Administration.
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