WARNING: SUICIDAL THOUGHTS AND BEHAVIORS See full prescribing information for complete boxed warning Increased risk of suicidal thinking and behavior in children, adolescents and young adults taking antidepressants (5.1)

Monitor for worsening and emergence of suicidal thoughts and behaviors (5.1). When using fluoxetine and olanzapine in combination, also refer to Boxed Warning section of the package inser for Symbyax®

RECENT MAJOR CHANGES -Angle-Closure Glaucoma (5.13) -- INDICATIONS AND USAGE --

luoxetine is a selective serotonin reuptake inhibitor indicated for:

Acute and maintenance treatment of Bulimia Nervosa in adult patients. (1.3)

 $\bullet \quad \text{Acute treatment of Panic Disorder, with or without agoraphobia, in adult patients. } (1.4)$

uoxetine and Olanzapine in Combination for:

Acute treatment of depressive episodes associated with Bipolar I Disorder. (1.5)

Indication	Adult	Pediatric	
MDD (2.1)	20 mg/day in am (initial dose)	10 to 20 mg/day (initial dose	
OCD (2.2)	20 mg/day in am (initial dose)	10 mg/day (initial dose)	
Bulimia Nervosa (2.3)	60 mg/day in am	-	
Panic Disorder (2.4)	10 mg/day (initial dose)	-	
Depressive Episodes Associated with Bipolar I Disorder (2.5)	Oral in combination with olanzapine: 5 mg of oral olanzapine and 20 mg of fluoxetine once daily (initial dose)	-	

luoxetine and olanzapine in combination

 Dosage adjustments should be made with the individual components according to efficacy and tolerability. (2.5) etine monotherapy is not indicated for the treatment of depressive episodes associated with Bipolar I Disorder. (2.5)

 Safety of the coadministration of doses above 18 mg olanzapine with 75 mg fluoxetine has not been evaluated in adults. (2.5)

- DOSAGE FORMS AND STRENGTHS Tablets: 10 mg, 20 mg (3)

- CONTRAINDICATIONS -

Pimozide: Do not use. Risk of QT prolongation and drug interaction. (4.2, 5.10,7.7, 7.8)

 Thioridazine: Do not use. Risk of QT interval prolongation and elevated thioridazine plasma levels. Do not use thioridazine within 5 weeks of discontinuing fluoxetine. (4.2. 5.10. 7.7. 7.8) When using fluovetine and olanzapine in combination, also refer to the Contraindications section of the package insert for Symbyax®. (4)

-- WARNINGS AND PRECAUTIONS ---• Clinical Worsening and Suicide Risk: Monitor for clinical worsening and suicidal thinking and behavior. (5.1)

. Serotonin Syndrome: Serotonin syndrome has been reported with SSRIs and SNRIs, including fluoxetine, both when taken alone, but especially when coadministered with other serotonergic agents (including triptans, tricyclic antide pressants, fentanyl, lithium, tramadol, tryptophan, buspirone and St. John's Wort). If such symptoms occur, discontinue fluovetine and initiate supportive treatment. If concomitant use of fluovetine with other serotonergic drugs is clinically rranted, patients should be made aware of a potential increased risk for serotonin syndrome, particularly during atment initiation and dose increases. (5.2)

• Allergic Reactions and Rash: Discontinue upon appearance of rash or allergic phenomena. (5.3)

Altered Appetite and Weight: Significant weight loss has occurred. (5.6)

Abnormal Bleeding: May increase the risk of bleeding. Use with NSAIDs, aspirin, warfarin or other drugs that affect coagulation may potentiate the risk of gastrointestinal or other bleeding. (5.7) nonatremia: Has been reported with fluoxetine in association with syndrome of inappropriate antidiuretic hormone

(SIADH). Consider discontinuing if symptomatic hyponatremia occurs. (5.8) Anxiety and Insomnia: May occur. (5.9) OT Prolongation: OT prolongation and ventricular arrhythmia including Torsades de Pointes have been reported with

fluoxetine use. Use with caution in conditions that predispose to arrhythmias or increased fluoxetine exposure. Use cautiously in patients with risk factors for QT prolongation. (4.2, 5.10, 7.7, 7.8, 10.1) Potential for Cognitive and Motor Impairment: Has potential to impair judgment, thinking and motor skills. Use caution when operating machinery. (5.12)

Angle-Closure Glaucoma: Angle-closure glaucoma has occurred in patients with untreated anatomically narrow angles treated with antidepressants, (5.13) Long Half-Life: Changes in dose will not be fully reflected in plasma for several weeks. (5.14)

05/2014 • Fluoxetine and Olanzapine in Combination: When using fluoxetine and olanzapine in combination, also refer to the Warnings and Precautions section of the package insert for Symbyax®. (5.16) ----- ADVERSE REACTIONS -----

 Acute and maintenance treatment of Major Depressive Disorder (MDD) in adult and pediatric patients aged 8 to 18 years. (1.1)
 Most common adverse reactions (≥ 5% and at least twice that for placebo) associated with: Acute and maintenance treatment of Obsessive Compulsive Disorder (OCD) in adult and pediatric patients aged 7 to 17 years. (1.2)

 Acute and maintenance treatment of Obsessive Compulsive Disorder (OCD) in adult and pediatric patients aged 7 to 17 years. (1.2)

 Major Depressive Disorder, Disorder, Bullmin and Panic Disorder, nausea, nervousness, pharyngitis, rash, sinusitis, somnolence, sweating, tremor, vasodilatation and vawn. (6.1)

Fluoxetine and olanzapine in combination — Also refer to the Adverse Reactions section of the package insert for Symbyax®. (6) To report SUSPECTED ADVERSE REACTIONS, contact Mylan Pharmaceuticals Inc. at 1-877-446-3769 (1-877-4-INFO-RX)

or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch ---- DRUG INTERACTIONS

 Monoamine Oxidase Inhibitors (MAOIs): (2 9 2 10 4 1 5 2) Drugs Metabolized by CYP2D6: Fluoxetine is a potent inhibitor of CYP2D6 enzyme pathway. (7.7) Tricyclic Antidepressants (TCAs): Monitor TCA levels during coadministration with fluoxetine or when fluoxetine ha

CNS Acting Drugs: Caution should be used when taken in combination with other centrally acting drugs. (7.2) nzodiazepines: Diazepam — increased t_½, alprazolam - further psychomotor performance decrement due to increase

Antipsychotics: Potential for elevation of haloperidol and clozapine levels. (7.7) Anticonvulsants: Potential for elevated phenytoin and carbamazepine levels and clinical anticonvulsant toxicity. (7.7)

• Serotonergic Drugs: (2.9, 2.10, 4.1, 5.2) • Drugs that Interfere with Hemostasis (e.g., NSAIDs, Aspirin, Warfarin): May potentiate the risk of bleeding. (7.4) Drugs Tightly Bound to Plasma Proteins: May cause a shift in plasma concentrations. (7.6, 7.7)
 Olanzapine: When used in combination with fluoxetine, also refer to the Drug Interactions section of the package insert

for Symbyax®. (7.7) Drugs that Prolong the QT Interval: Do not use fluoxetine with thioridazine or pimozide. Use with caution in combination with other drugs that prolong the QT interval. (4.2, 5.10, 7.7, 7.8)

----- USE IN SPECIFIC POPULATIONS -· Pregnancy: Fluoxetine should be used during pregnancy only if the potential benefit justifies the potential risks to the

Serotonin Syndrome and MAOIs: Do not use MAOIs intended to treat psychiatric disorders with fluoxetine or within 5 weeks of stopping treatment with fluoxetine. Do not use fluoxetine within 14 days of stopping an MAOI intended to treat psychiatric disorders. In addition, do not start fluoxetine in a patient who is being treated with linezolid or intravenous methylene blue. (4.1)

**Prediatric Use: Safety and effectiveness of fluoxetine in patients < 8 years of age with Major Depressive Disorder and < 7 years of age with OCD have not been established. Safety and effectiveness of fluoxetine and olanzapine in combination in patients < 10 years of age for depressive episodes associated with Bipolar I Disorder have not been established. (8.4) Hepatic Impairment: Lower or less frequent dosing may be appropriate in patients with cirrhosis. (8.6)

See 17 for PATIENT COUNSELING INFORMATION and FDA Approved Medication Guide.

ALP:FLUTT:R6mpbmh/ALP:MG:FLUTT:R6mpb/ALP:MG:FLUTT:R6mh

10.3 Management of Overdoo

12 CLINICAL PHARMACOLOGY 12.1 Mechanism of Action

13 NONCLINICAL TOXICOLOGY

14.4 Panic Disorder

16 HOW SUPPLIED/STORAGE AND HANDLING 16.1 How Supplied

17.2 Clinical Worsening and Suicide Ris

17 PATIENT COUNSELING INFORMATION

14 CLINICAL STUDIES

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
 13.2 Animal Toxicology and/or Pharmacology

11 DESCRIPTION

 Activation of Mania/Hypomania: Screen for Bipolar Disorder and monitor for mania/hypomania. (5.4) FULL PRESCRIBING INFORMATION: CONTENTS*

INDICATIONS AND USAGE

1.5 Fluoxetine and Olanzapine in Combination: Depressive Episodes 2 DOSAGE AND ADMINISTRATION 2.1 Major Depressive Disorde

Bulimia Nervosa **Dosing in Specific Populations**

ation of Treatment 2.10 Use of Fluoxetine Tablets with Other MAOIs such as Linezolid or

DOSAGE FORMS AND STRENGTHS 4.2 Other Contraindication WARNINGS AND PRECAUTIONS

WARNING: SUICIDAL THOUGHTS AND BEHAVIORS

Clinical Worsening and Suicide Risk Serotonin Syndrome Screening Patients for Bipolar Disorder and Monitoring for Mania/

Flectroconvulsive Therapy (FCT) Potential for Other Drugs to Affect Fluoxetine Potential for Fluoxetine to Affect Other Drugs Drugs that Prolong the QT Interval 8 USE IN SPECIFIC POPULATIONS Geriatric Use

Anxiety and Insomnia

Angle-Closure Glaucoma

5.14 Long Elimination Half-Life

Post-Marketing Expe

CNS Acting Drugs

6 ADVERSE REACTIONS

DRUG INTERACTIONS

5.10 QT Prolongation
5.11 Use in Patients with Concomitant Illness
5.12 Potential for Cognitive and Motor Impairms

Discontinuation Adverse Reaction

9 DRUG ABUSE AND DEPENDENCE

17.10 Use of Concomitant Medica 17.11 Discontinuation of Treatment *Sections or subsections omitted from the full prescribing information are not listed

Potential for Cognitive and Motor Impair Angle-Closure Glaucoma

Serotonergic Drugs Drugs that Interfere with Hemostasis (e.g., NSAIDs, Aspirin, War

Antidepressants increased the risk of suicidal thoughts and behavior in children, adolescents and young adults in shortterm studies. These studies did not show an increase in the risk of suicidal thoughts and behavior with antidepressant use in patients over age 24; there was a reduction in risk with antidepressant use in patients aged 65 and older [see In patients of all ages who are started on antidepressant therapy, monitor closely for worsening and for emergence of

WARNING: SUICIDAL THOUGHTS AND BEHAVIORS

suicidal thoughts and behaviors. Advise families and caregivers of the need for close observation and corwith the prescriber [see Warnings and Precautions (5.1)]. luoxetine is not approved for use in children less than 7 years of age [see Warnings and Precautions (5.1) and Use in Specific Populations (8.4)].

When using fluoxetine and olanzapine in combination, also refer to Boxed Warning section of the package insert for

INDICATIONS AND USAGE Major Depressive Disorder

FULL PRESCRIBING INFORMATION

luoxetine tablets are indicated for the acute and maint in pediatric patients aged 8 to 18 years [see Clinical Studies (14.1)].

reevaluated (see Dosage and Administration (2.1)).

Obsessive Compulsive Disorder

Fluoxetine tablets are indicated for the acute and maintenance treatment of obsessions and compulsions in adult patients and n pediatric patients aged 7 to 17 years with Obsessive Compulsive Disorder (OCD) [see Clinical Studies (14.2)]. The effectiveness of fluoxetine in long-term use, i.e., for more than 13 weeks, has not been systematically evaluated in placebo-controlled trials. Therefore, the physician who elects to use fluoxetine tablets for extended periods should peri odically reevaluate the long-term usefulness of the drug for the individual patient [see Dosage and Administration (2.2)].

1.3 Bulimia Nervosa Fluoxetine tablets are indicated for the acute and maintenance treatment of binge-eating and vomiting behaviors in adult patients with moderate to severe Bulimia Nervosa [see Clinical Studies (14.3)].

he physician who elects to use fluoxetine tablets for extended periods should periodically reevaluate the long-term useful ness of the drug for the individual patient [see Dosage and Administration (2.3)]. 1.4 Panic Disorder

Fluoxetine tablets are indicated for the acute treatment of Panic Disorder, with or without agoraphobia, in adult patients The effectiveness of fluoxetine in long-term use i.e. for more than 12 weeks, has not been established in placeho-controlled

trials. Therefore, the physician who elects to use fluoxetine tablets for extended periods should periodically reevaluate the 24 Panic Disorder long-term usefulness of the drug for the individual patient (see Dosage and Administration (2.4)].

1.5 Fluoxetine and Olanzapine in Combination: Depressive Episodes Associated with Bipolar I Disorde When using fluoxetine and olanzapine in combination, also refer to the Clinical Studies section of the package insert for luoxetine and olanzapine in combination is indicated for the acute treatment of depressive episodes associated with

Fluoxetine tablet monotherapy is not indicated for the treatment of depressive episodes associated with Bipolar I Disorder.

NOTART AND ADMINISTRATION

Maior Depressive Disorder Initial Treatment: Adult: In controlled trials used to support the efficacy of fluoxetine, patients were administered morn—
When using fluoxetine and olanzapine in combination, also refer to the Clinical Studies section of the package insert for ing doses ranging from 20 to 80 mg/day. Studies comparing fluoxetine 20, 40, and 60 mg/day to placebo indicate that Symbolic

A dose increase may be considered after several weeks if insufficient clinical improvement is observed. Doses above 20 mg/day may be administered on a once-a-day (morning) or BID schedule (i.e., morning and noon) and should not to 12.5 mg. Antidepressant efficacy was demonstrated with olanzapine and fluoxetine in combination with a dose range of xceed a maximum dose of 80 mg/day. Pediatric (Children and Adolescents): In the short-term (8 to 9 week) controlled clinical trials of fluoxetine supporting its

effectiveness in the treatment of Major Depressive Disorder, patients were administered fluoxetine doses of 10 to 20 mg/ day [see Clinical Studies (14.1)]. Treatment should be initiated with a dose of 10 or 20 mg/day. After one week at 10 mg/day, the dose should be increased to 20 mg/day. However, due to higher plasma levels in lower weight children, the starting and target dose in this group may be

) mg/day. A dose increase to 20 mg/day may be considered after several weeks if insufficient clinical improve-All Patients: As with other drugs effective in the treatment of Major Depressive Disorder, the full effect may be delayed until

4 weeks of treatment or longer. Maintenance/Continuation/Extended Treatment: It is generally agreed that acute episodes of Major Depressive Disorder require several months or longer of sustained pharmacologic therapy. Whether the dose needed to induce remission is identical to the dose needed to maintain and/or sustain euthymia is unknown.

Daily Dosing: Systematic evaluation of fluoxetine tablets in adult patients has shown that its efficacy in Major Depressiv Disorder is maintained for periods of up to 38 weeks following 12 weeks of open-label acute treatment (50 weeks total) at a dose of 20 mg/day (see Clinical Studies (14 1))

Switching Patients to a Tricyclic Antidepressant (TCA): Dosage of a TCA may need to be reduced and plasma TCA concen-

Warnings and Precautions (5.2) and Drug Interactions (7.7)].

2.2 Obsessive Compulsive Disorder Initial Treatment: Adult: In the controlled clinical trials of fluoxetine supporting its effectiveness in the treatment OCD, patients were administered fixed daily doses of 20 mg, 40 mg or 60 mg of fluoxetine or placebo [see Clinical Studies (14.2)]. In one of these studies, no dose-response relationship for effectiveness was demonstrated. Consequently, a dose of 20 mg/day, administered in the morning, is recommended as the initial dose. Since there was a suggestion of a possible dose-response relationship for effectiveness in the second study, a dose increase may be considered after to reach any conclusion about drug effect on suicide.

Doses above 20 mg/day may be administered on a once daily (i.e., morning) or BID schedule (i.e., morning and noon). A dose the recurrence of depression.

In adolescents and higher weight children, treatment should be initiated with a dose of 10 mg/day. After 2 weeks, the dose should be increased to 20 mg/day. Additional dose increases may be considered after several more weeks if insufficient clinical improvement is observed. A dose range of 20 to 60 mg/day is recommended.

ance treatment of Major Depressive Disorder in adult patients and In lower weight children, treatment should be initiated with a dose of 10 mg/day. Additional dose increases may be considere after several more weeks if insufficient clinical improvement is observed. A dose range of 20 to 30 mg/day is recommended The usefulness of the drug in adult and pediatric patients receiving fluovetine for extended periods should periodically be Experience with daily doses greater than 20 mg is very minimal, and there is no experience with doses greater than 60 mg. Maintenance/Continuation Treatment: While there are no systematic studies that answer the question of how long to continue fluoxetine tablets, OCD is a chronic condition and it is reasonable to consider continuation for a responding patient. Although the efficacy of fluoxetine after 13 weeks has not been documented in controlled trials, adult patients have been continued in therapy under double-blind conditions for up to an additional 6 months without loss of benefit. However, dosage adjustments should be made to maintain the patient on the lowest effective dosage and patients should be periodically

2.3 Bulimia Nervosa Initial Treatment: In the controlled clinical trials of fluoxetine supporting its effectiveness in the treatment of Bulimia Nervosa, patients were administered fixed daily fluoxetine doses of 20 mg or 60 mg, or placebo [see Clinical Studies (14.3)].

Only the 60 mg dose was statistically significantly superior to placebo in reducing the frequency of binge-eating and vomiting. Consequently, the recommended dose is 60 mg/day, administered in the morning. For some patients it may be

advisable to titrate up to this target dose over several days. Fluoxetine doses above 60 mg/day have not been systematically studied in patients with bulimia. faintenance/Continuation Treatment: Systematic evaluation of continuing fluoxetine tablets 60 mg/day for periods of up to 52 weeks in patients with bulimia who have responded while taking fluoxetine tablets 60 mg/day during an 8-week acute 5.2 Serotonin Syndrome reatment phase has demonstrated a benefit of such maintenance treatment [see Clinical Studies (14.3)]. Nevertheless, patients should be periodically reassessed to determine the need for maintenance treatment.

Initial Treatment: In the controlled clinical trials of fluoxetine supporting its effectiveness in the treatment of Panic Disorder. patients were administered fluoxetine doses in the range of 10 to 60 mg/day [see Clinical Studies (14.4)]. Treatment should as linezolid and intravenous methylene blue). be initiated with a dose of 10 mg/day. After one week, the dose should be increased to 20 mg/day. The most frequently

administered dose in the two flexible-dose clinical trials was 20 mg/day. A dose increase may be considered after several weeks if no clinical improvement is observed. Fluoxetine doses above 60 mg/day have not been systematically evaluated in patients with Panic Disorder.

Maintenance/Continuation Treatment: While there are no systematic studies that answer the question of how long to coninue fluoxetine tablets, Panic Disorder is a chronic condition and it is reasonable to consider continuation for a responding patient. Nevertheless, patients should be periodically reassessed to determine the need for continued treatment. Fluoxetine and Olanzapine in Combination: Depressive Episodes Associated with Bipolar I Disorder

20 mg/day, administered in the morning, is recommended as the initial dose.

20 mg/day, administered in the morning, is recommended as the initial dose.

3/milipax*

20 mg/day, administered in the morning, is recommended as the initial dose.

21 mg/day, administered in the morning, is recommended as the initial dose.

23 mg/day, administered in the morning, is recommended as the initial dose.

24 mg/day, administered in the morning is recommended as the initial dose. meals, generally beginning with 5 mg of oral olanzapine and 20 mg of fluoxetine. Doságe adjustments, if indicated, can be made according to efficacy and tolerability within dose ranges of fluoxetine 20 mg to 50 mg and oral olanzapine 5 mg ne 6 mg to 12 mg and fluoxetine 25 mg to 50 mg. Safety of coadministration of doses above 18 mg olanzapine with 75 mg fluoxetine has not been evaluated in clinical studies.

Safety and efficacy of fluoxetine in combination with olanzapine was determined in clinical trials supporting approval of Symbyax® (fixed-dose combination of olanzapine and fluoxetine). Symbyax® is dosed between 3 mg/25 mg (olanzapine/ fluoxetine) per day and 12 mg/50 mg (olanzapine/fluoxetine) per day. The following table demonstrates the appropriate individual component doses of fluoxetine and olanzapine vs. Symbyax[®]. Dosage adjustments, if indicated, should be made with the individual components according to efficacy and tolerability.

Table 1: Approximate Dose Correspondence Between Symbyax®1 and the Combination of Fluoxetine and Olanzapine

For Symbyax®	Use in Combination			
(mg/day)	Olanzapine (mg/day)	Fluoxetine (mg/day)		
3 mg olanzapine/25 mg fluoxetine	2.5	20		
6 mg olanzapine/25 mg fluoxetine	5	20		
12 mg olanzapine/25 mg fluoxetine	10 + 2.5	20		
6 mg olanzapine/50 mg fluoxetine	5	40 + 10		
12 mg olanzapine/50 mg fluoxetine	10 + 2.5	40 + 10		
10 1 @ (1	1.1 12 22 40 22 1.1			

 Seizures: Use cautiously in patients with a history of seizures or with conditions that potentially lower the seizure
 While there is no body of evidence to answer the question of how long a patient treated with fluoxetine and olanzapine in have been reported. combination should remain on it, it is generally accepted that Bipolar I Disorder, including the depressive episodes associated with Bipolar I Disorder, is a chronic illness requiring chronic treatment. The physician should periodically reexamine

These reactions have occurred with dyspnea as the only preceding symptom.

> Fluoxetine tablet monotherapy is not indicated for the treatment of depressive episodes associated with Bipolar I Disorder. 2.7 Dosing in Specific Populations Treatment of Pregnant Women: When treating pregnant women with fluoxetine tablets, the physician should carefully

Geriatric: A lower or less frequent dosage should be considered for the elderly [see Use in Specific Populations (8.5)]. Hepatic Impairment: As with many other medications, a lower or less frequent dosage should be used in patients with hepatic impairment [see Clinical Pharmacology (12.4) and Use in Specific Populations (8.6)]. Concomitant Illness: Patients with concurrent disease or on multiple concomitant medications may require

ments [see Clinical Pharmacology (12.4) and Warnings and Precautions (5.10)]. Fluoxetine and Olanzapine in Combination: The starting dose of oral olanzapine 2.5 mg to 5 mg with fluoxetine 20 mg should be used for patients with a predisposition to hypotensive reactions, patients with hepatic impairment, or patients who exhibit a combination of factors that may slow the metabolism of olanzapine or fluovetine in combination (female gender, geriatric age, nonsmoking status), or those patients who may be pharmacodynamically sensitive to olanzapine. Dosing modifications may be necessary in patients who exhibit a combination of factors that may slow metabolism. When indicated, dose escalation should be performed with caution in these patients. Fluoxetine and olanzapine in combination ave not been systematically studied in patients over 65 years of age or in patients less than 10 years of age [see Warnings and Precautions (5.16) and Drug Interactions (7.7)].

2.8 Discontinuation of Treatment Symptoms associated with discontinuation of fluoxetine, SNRIs and SSRIs, have been reported [see Warnings and Precau-

2.9 Switching a Patient to or from a Monoamine Oxidase Inhibitor (MAOI) Intended to Treat Psychiatric Disorders At least 14 days should elapse between discontinuation of an MAOI intended to treat psychiatric disorders and initiation of therapy with fluoxetine tablets. Conversely, at least 5 weeks should be allowed after stopping fluoxetine tablets before starting an MAOI intended to treat psychiatric disorders [see Contraindications (4.1)]. 2.10 Use of Fluoxetine Tablets with Other MAOIs such as Linezolid or Methylene Blue

Do not start fluoxetine tablets in a patient who is being treated with linezolid or intravenous methylene blue because there patients with a history of seizures. is an increased risk of serotonin syndrome. In a patient who requires more urgent treatment of a psychiatric condition, other 5.6 Altered Appetite and Weight tions, including hospitalization, should be considered [see Contraindications (4.1)]. In some cases, a patient already receiving fluoxetine tablet therapy may require urgent treatment with linezolid or intravenous methylene blue. If acceptable alternatives to linezolid or intravenous methylene blue treatment are not available and the potential benefits of linezolid or intravenous methylene blue treatment are judged to outweigh the

risks of serotonin syndrome in a particular patient, fluoxetine tablets should be stopped promptly, and linezolid or intravenous methylene blue can be administered. The patient should be monitored for symptoms of serotonin syndrome for 5 weeks or until 24 hours after the last dose of linezolid or intravenous methylene blue, whichever comes first. nerapy with fluoxetine tablets may be resumed 24 hours after the last dose of linezolid or intravenous methylene blue The risk of administering methylene blue by non-intravenous routes (such as oral tablets or by local injection) or in intra-

venous doses much lower than 1 mg/kg with fluoxetine tablets is unclear. The clinician should, nevertheless, be aware

of the possibility of emergent symptoms of serotonin syndrome with such use [see Warnings and Precautions (5,2)].

DOSAGE FORMS AND STRENGTHS 10 mg⁺, white film-coated, oval tablet debossed with **FL** on the left of the score and **10** on the right of the score on **5.7 Abnormal Bleeding** one side of the tablet and G on the other side.

one side of the tablet and G on the other side. † Fluoxetine base equivalent

CONTRAINDICATIONS REVISED AUGUST 2014

When using fluoxetine and olanzapine in combination, also refer to the Contraindications section of the package insert for Symbyax® 4.1 Monoamine Oxidase Inhibitors (MAOIs)

The use of MAOIs intended to treat psychiatric disorders with fluoxetine tablets or within 5 weeks of stopping treatment

with fluoxetine is contraindicated because of an increased risk of serotonin syndrome. The use of fluoxetine within 14 days of stopping an MAOI intended to treat psychiatric disorders is also contraindicated [see Dosage and Administration (2.9) and Warnings and Precautions (5.2)]. Starting fluoxetine in a patient who is being treated with MAOIs such as linezolid or intravenous methylene blue is also

contraindicated because of an increased risk of serotonin syndrome [see Dosage and Administration (2.10) and Warnings and Precautions (5.2)1. 4.2 Other Contraindications

The use of fluoxetine is contraindicated with the following:

Pimozide [see Warnings and Precautions (5.10) and Drug Interactions (7.7, 7.8)] Thioridazine [see Warnings and Precautions (5.10) and Drug Interactions (7.7, 7.8)]

Pimozide and thioridazine prolong the QT interval. Fluoxetine can increase the levels of pimozide and thioridazine through inhibition of CYP2D6. Fluoxetine can also prolong the QT interval.

WARNINGS AND PRECAUTIONS When using fluoxetine and olanzapine in combination, also refer to the Warnings and Precautions section of the package In U.S. placebo-controlled clinical trials for Bulimia Nervosa, insomnia was reported in 33% of patients treated with fluox

5.1 Clinical Worsening and Suicide Risk Patients with Major Depressive Disorder (MDD), both adult and pediatric, may experience worsening of their depression

Among the most common adverse reactions associated with discontinuation (incidence at least twice that for placebo and/or the emergence of suicidal ideation and behavior (suicidality) or unusual changes in behavior, whether or not they are taking antidepressant medications, and this risk may persist until significant remission occurs. Suicide is a known risk of depression and certain other psychiatric disorders, and these disorders themselves are the strongest predictors of bullimia) and nervousness (1% in Major Depressive Disorder) [see Table 5]. suicide. There has been a long-standing concern, however, that antidepressants may have a role in inducing worsening of depression and the emergence of suicidality in certain patients during the early phases of treatment. Pooled analyses of Post-marketing cases of Q 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 children, adolescents and young adults (ages 18 to 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

The pooled analyses of placebo-controlled trials in children and adolescents with MDD. Obsessive Compulsive Disorder (OCD) or other psychiatric disorders included a total of 24 short-term trials of nine antidepressant drugs in over 4,400 patients. The pooled analyses of placebo-controlled trials in adults with MDD or other psychiatric disorders included a 7.8), Overdose (10.1), and Clinical Pharmacology (12.3)]. 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 2.

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

several weeks if insufficient clinical improvement is observed. The full therapeutic effect may be delayed until 5 weeks 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

range of 20 to 60 mg/day is recommended; however, doses of up to 80 mg/day have been well tolerated in open studies of

All patients being treated with antidepressants for any indication should be monitored appropriately and observed OCD. The maximum fluoxetine dose should not exceed 80 mg/day.

Pediatric (Children and Adolescents): In the controlled clinical trial of fluoxetine supporting its effectiveness in the treatakathisia (psychomotor restlessness), hypomania and mania, have been reported in adult and pediatric patients being

5.13 Angle-Closure Glaucoma

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 | iridectomy. to emerging suicidality. Consideration should be given to changing the therapeutic regimen, including possibly discontinuing the medication, in Because of the long elimination half-lives of the parent drug and its major active metabolite, changes in dose will not patients whose depression is persistently worse, or who are experiencing emergent suicidality or symptoms are severe, abrupt in onset, or were not part

of the patient's presenting symptoms. If the decision has been made to discontinue treatment, medication should be tapered, as rapidly as is feasible, but with recognition that abrupt discontinuation can be associated with certain symptoms [see Warnings and Precautions 5.15 Discontinuation Adverse Reaction 5.15 Discontinuation Adverse Reaction 5.15 Discontinuation Adverse Reaction 5.15 Discontinuation Adverse Reaction 5.15 Discontinuation 5.15 Discontinuation Adverse Reaction 5.15 Discontinuation Adverse Reaction 5.15 Discontinuation 6.15 Discontinuation 6.

Families and caregivers of natients being treated with antidepressants for Major Depressive Disorder or other indications, both psychiatric and nonpsychiatric, should be alerted about the need to monitor patients for the emergence of agitation, irritability, unusual changes in behavior and the other symptoms described above, as well as the emergence of suicidality, and to report such symptoms immediately to health care providers. Such monitoring should include daily observation by families and caregivers. Prescriptions for fluovetine tablets should be written for the smallest quantity of tablets consistent with good patient management, in order to reduce the risk of overdose.

It should be noted that fluoxetine is approved in the pediatric population for Major Depressive Disorder and Obsessive The development of a potentially life threatening serotonin syndrome has been reported with SNRIs and SSRIs, includ- 5.16 Fluoxetine and Olanzapine in Combination

antidepressants, fentanyl, lithium, tramadol, tryptophan, buspirone and St. John's Wort) and with drugs that impair metabolism of serotonin (in particular, MAOIs, both those intended to treat psychiatric disorders and also others, such Serotonin syndrome symptoms may include mental status changes (e.g., agitation, hallucinations, delirium and coma), auonomic instability (e.g., tachycardia, labile blood pressure, dizziness, diaphoresis, flushing, hyperthermia), neuromuscular symptoms (e.g., tremor, rigidity, myoclonus, hyperreflexia, incoordination), seizures and/or gastrointestinal symptoms (e.g., nausea, vomiting, diarrhea). Patients should be monitored for the emergence of serotonin syndrome.

The concomitant use of fluoxetine with MAOIs intended to treat psychiatric disorders is contraindicated. Fluoxetine should also not be started in a patient who is being treated with MAOIs such as linezolid or intravenous methylene blue. All reports observed in practice with methylene blue that provided information on the route of administration involved intravenous administration in the dose Multiple doses of fluoxetine have been administered to 10,782 patients with various diagnoses in U.S. clinical trials. In range of 1 mg/kg to 8 mg/kg. No reports involved the administration of methylene blue by other routes (such as oral tablets or local tissue injection) or at lower doses. There may be circumstances when it is necessary to initiate treatment with an MAOI such as linezolid or intravenous methylene blue in a patient taking fluoxetine. Fluoxetine should be discontinued before initiating treatment with the MAOI [see Contraindications (4.1) and Dosage and Administration (2.9, 2.10)].

If concomitant use of fluoxetine with other serotonergic drugs, i.e., triptans, tricyclic antidepressants, fentanyl, lithium, tramadol, buspirone, tryptophan and St. John's Wort is clinically warranted, patients should be made aware of a potential increased risk for serotonin syndrome, particularly during treatment initiation and dose increases. Treatment with fluoxetine and any concomitant serotonergic agents, should be discontinued immediately if the above events

occur and supportive symptomatic treatment should be initiated

5.3 Allergic Reactions and Rash In U.S. fluoxetine clinical trials, 7% of 10,782 patients developed various types of rashes and/or urticaria. Among the cases of rash and/or urticaria reported in premarketing clinical trials, almost a third were withdrawn from treatment because of the rash and/or systemic signs or symptoms associated with the rash. Clinical findings reported in association with rash include fever, leukocytosis, arthralgias, edema, carpal tunnel syndrome, respiratory distress, lymphadenopathy, proteinuria and mild transaminase elevation. Most patients improved promptly with discontinuation of fluoxetine and/ or adjunctive treatment with antihistamines or steroids, and all patients experiencing these reactions were reported to recover completely.

In premarketing clinical trials, two patients are known to have developed a serious cutaneous systemic illness. In neither patient was there an unequivocal diagnosis, but one was considered to have a leukocytoclastic vasculitis, and the other, severe desquamating syndrome that was considered variously to be a vasculitis or erythema multiforme. Other patients have had systemic syndromes suggestive of serum sickness. Since the introduction of fluoxetine, systemic reactions, possibly related to vasculitis and including lupus-like syndrome,

have developed in patients with rash. Although these reactions are rare, they may be serious, involving the lung, kidney or

liver. Death has been reported to occur in association with these systemic reaction: Anaphylactoid reactions, including bronchospasm, angioedema, laryngospasm and urticaria alone and in combination,

and Panic Disorder Placebo-Controlled Clinical Trials^{1,2}

Whether these systemic reactions and rash have a common underlying cause or are due to different etiologies or pathogen processes is not known. Furthermore, a specific underlying immunologic basis for these reactions has not been identifie Upon the appearance of rash or of other possibly allergic phenomena for which an alternative etiology cannot be identified, fluoxetine should be discontinued

consider the potential risks and potential benefits of treatment. Neonates exposed to SSRIs or SNRIs late in the third 5.4 Screening Patients for Bipolar Disorder and Monitoring for Mania/Hypomania

requiring prolonged hospitalization, respiratory support and tube feeding [see Use A major depressive episode may be the initial presentation of Bipolar Disorder. It is generally believed (though not established in controlled trials) that treating such an episode with an antidepressant alone may increase the likelihood of precipitation of a mixed/manic episode in patients at risk for Bipolar Disorder. Whether any of the symptoms described for for Bipolar Disorder; such screening should include a detailed psychiatric history, including a family history of suicide, Bipolar Disorder and depression. It should be noted that fluoxetine and olanzapine in combination is approved for the acute treatment of depressive episodes associated with Bipolar I Disorder [see Warnings and Precautions section of the package insert for Symbyax]. Fluoxetine monotherapy is not indicated for the treatment of depressive episodes associated with Bipolar I Disorder. In U.S. placebo-controlled clinical trials for Major Depressive Disorder, mania/hypomania was reported in 0.1% of patient treated with fluoxetine and 0.1% of patients treated with placebo. Activation of mania/hypomania has also been reported in a small proportion of patients with Major Affective Disorder treated with other marketed drugs effective in the treatment

of Major Depressive Disorder [see Use in Specific Populations (8.4)]. $In \ U.S. \ placebo-controlled \ clinical \ trials \ for \ OCD, \ mania/hypomania \ was \ reported \ in \ 0.8\% \ of \ patients \ treated \ with \ fluoxetine$ and no patients treated with placebo. No patients reported mania/hypomania in U.S. placebo-controlled clinical trials To bulimia. In U.S. fluovetine clinical trials, 0.7% of 10,782 patients reported mania/hypomania [see Use in Specific Populations (8.4)].

In U.S. placebo-controlled clinical trials for Major Depressive Disorder, convulsions (or reactions described as possibly having been seizures) were reported in 0.1% of patients treated with fluoxetine and 0.2% of patients treated with placebo. No patients reported convulsions in U.S. placebo-controlled clinical trials for either OCD or bulimia. In U.S. fluoxetine clinical trials, 0.2% of 10,782 patients reported convulsions. The percentage appears to be similar to that a ssociated with other marketed drugs effective in the treatment of Major Depressive Disorder. Fluoxetine should be introduced with care in

ignificant weight loss, especially in underweight depressed or bulimic patients, may be an undesirable result of treatment with fluoxetine. In U.S. placebo-controlled clinical trials for Major Depressive Disorder, 11% of patients treated with fluoxetine and 2% of patients treated with placebo reported anorexia (decreased appetite). Weight loss was reported in 1.4% of patients treated with fluoxetine and in 0.5% of patients treated with placebo. However, only rarely have patients disc fluoxetine because of anorexia or weight loss (see Use in Specific Populations (8.4)).

In U.S. placebo-controlled clinical trials for OCD, 17% of patients treated with fluoxetine and 10% of patients treated with placebo reported anorexia (decreased appetite). One patient discontinued treatment with fluoxetine because of anorexia [see Use in Specific Populations (8.4)]. In U.S. placebo-controlled clinical trials for Bulimia Nervosa, 8% of patients treated with fluoxetine 60 mg and 4% of

patients treated with placebo reported anorexia (decreased appetite). Patients treated with fluoxetine 60 mg on average lost 0.45 kg compared with a gain of 0.16 kg by patients treated with placebo in the 16-week double-blind trial. Weight change should be monitored during therapy. SNRIs and SSRIs, including fluoxetine, may increase the risk of bleeding reactions. Concomitant use of aspirin, non-ste 20 mg[†], white film-coated, oval tablet debossed with FL on the left of the score and 20 on the right of the score on roidal anti-inflammatory drugs, warfarin and other anticoagulants may add to this risk. Case reports and epidemiologic

cal 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 reactions related to SNRIs and SSRIs 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 fluoxetine and NSAIDs.

aspirin, warfarin or other drugs that affect coagulation [see Drug Interactions (7.4)]. 5.8 Hyponatremia

Hyponatremia has been reported during treatment with SNRIs and SSRIs, including fluoxetine. In many cases, this hyponatremia appears to be the result of the syndrome of inappropriate antidiuretic hormone secretion (SIADH). Case rypunatemina appears to be the result of the syndrome or inappropriate announced information section (short). Cases with serum sodium lower than 110 mmol/L have been reported and appeared to be reversible when fluoxetine was discontinued. Elderly patients may be at greater risk of developing hyponatremia with SNRIs and SSRIs. Also, patients taking diuretics or who are otherwise volume depleted may be at greater risk (see Use in Specific Populations (8.5)). Discontinuation of fluoxetine 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 impair and unsteadiness, which may lead to falls. More severe and/or acute cases have been associated with hallucination, syncope. seizure, coma, respiratory arrest and death.

5.9 Anxiety and Insomnia In U.S. placebo-controlled clinical trials for Major Depressive Disorder, 12% to 16% of patients treated with fluoxetine and 7% to 9% of patients treated with placebo reported anxiety, nervousness or insomnia In U.S. placebo-controlled clinical trials for OCD, insomnia was reported in 28% of patients treated with fluoxetine and in 22% of patients treated with placebo. Anxiety was reported in 14% of patients treated with fluoxetine and in 7% of

patients treated with placebo. etine 60 mg and 13% of patients treated with placebo. Anxiety and nervousness were reported, respectively, in 15% and 11% of patients treated with fluoxetine 60 mg and in 9% and 5% of patients treated with placebo.

Post-marketing cases of QT interval prolongation and ventricular arrhythmia including Torsades de Pointes have bee reported in patients treated with fluoxetine. Fluoxetine should be used with caution in patients with congenital long QT syndrome; a previous history of QT prolongation; a family history of long QT syndrome or sudden cardiac death; and other conditions that predispose to QT prolongation and ventricular arrhythmia. Such conditions include concomitant use

of drugs that prolong the QT interval; hypokalemia or hypomagnesemia; recent myocardial infarction, uncompensate heart failure, bradyarrhythmias, and other significant arrhythmias; and conditions that predispose to increased fluoxetine exposure (overdose, hepatic impairment, use of CYP2D6 inhibitors, CYP2D6 poor metabolizer status, or use of other highly protein bound drugs). Fluoxetine is primarily metabolized by CYP2D6 [see Contraindications (4.2), Drug Interactions (7.7) Pimozide and thioridazine are contraindicated for use with fluoxetine. Avoid the concomitant use of drugs known to prolon the QT interval. These include specific antipsychotics (e.g., ziprasidone, iloperidone, chlorpromazine, mesoridazine, droperidol.); specific antibiotics (e.g.,erythromycin, gatifloxacin, moxifloxacin, sparfloxacin); Class 1A antiarrhythmic medications (e.g., quinidine, procainamide): Class III antiarrhythmics (e.g., amiodarone, sotalol): and others (e.g.

pentamidine, levomethadyl acetate, methadone, halofantrine, melloquine, dolasetron mesylate, probucol or tac [see Drug Interactions (7.7, 7.8) and Clinical Pharmacology (12.3)]. onsider ECG assessment and periodic ECG monitoring if initiating treatment with fluoxetine in patients with risk facto for QT prolongation and ventricular arrhythmia. Consider discontinuing fluoxetine and obtaining a cardiac evaluation if atients develop signs or symptoms consistent with ventricular arrhythmia.

Clinical experience with fluoxetine in patients with concomitant systemic illness is limited. Caution is advisable in using fluoxetine in patients with diseases or conditions that could affect metabolism or hemodynamic responses Cardiovascular: Fluoxetine 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 systematically excluded from clinical studies during the product's premarket testing. However, the electrocardiograms of 312 patients who received fluoxetine in double-blind trials were retrospectively evaluated; no conduction abnormalities that resulted in heart block were observed. ne mean heart rate was reduced by approximately 3 beats/mir

Givenic Control. In nations with diabetes fluoretine may after glycemic control. Hypoglycemia has occurred during erapy with fluoxetine and hyperglycemia has developed following discontinuation of the drug. As is true with many oth types of medication when taken concurrently by patients with diabetes, insulin and/or oral hypoglycemic, dosage may need to be adjusted when therapy with fluoxetine is instituted or discontinued 5.12 Potential for Cognitive and Motor Impairment

As with any CNS-active drug, fluoxetine has the potential to impair judgment, thinking or motor skills. Patients should be cautioned about operating hazardous machinery, including automobiles, until they are reasonably certain that the drug

5.14 Long Elimination Half-Life

might interact with fluoxetine and norfluoxetine following the discontinuation of fluoxetine [see Clinical Pharmacolog)

5.11 Use in Patients with Concomitant Illness

During marketing of fluoxetine, SNRIs and SSRIs, there have been spontaneous reports of adverse reactions occurring uno nuation of these drugs, particularly when abrupt, including the following: dysphoric mood, irritability, agitation, dizziness, sensory disturbances (e.g., paresthesias such as electric shock sensations), anxiety, confusion, headache, lethargy, memotional lability, insomnia and hypomania. While these reactions are generally self limiting, there have been reports of serious discontinuation symptoms. Patients should be monitored for these symptoms when discontinuing treatment with fluoxetine. 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 pre-scribed dose may be considered. Subsequently, the physician may continue decreasing the dose but at a more gradual rate. Plasma fluoxetine and norfluoxetine concentration decrease gradually at the conclusion of therapy which may minimize the

risk of discontinuation symptoms with this drug. ing fluoxetine, alone but particularly with concomitant use of other serotonergic drugs (including triptans, tricyclic. When using fluoxetine and olanzapine in combination, also refer to the Warnings and Precautions section of the package. There are no adequate and well controlled studies examining servial dysfunction with fluoxetine treatment

> ADVERSE REACTIONS 6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect or predict the rates addition, there have been 425 patients administered fluoxetine in panic clinical trials. Adverse reactions were recorded by clinical investigators using descriptive terminology of their own choosing. Consequently, it is not possible to provide a

meaningful estimate of the proportion of individuals experiencing adverse neartions without first grouping similar types of reactions into a limited (i.e., reduced) number of standardized reaction categories. In the tables and tabulations that follow, COSTART Dictionary terminology has been used to classify reported adverse reactions. The stated frequencies represent the proportion of individuals who experienced, at least once, a treatmentemergent adverse reaction of the type listed. A reaction was considered treatment-emergent if it occurred for the first time or worsened while receiving therapy following baseline evaluation. It is important to emphasize that reactions reported during therapy were not necessarily caused by it.

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

Special Senses: Frequent: taste perversion: Infrequent: mydriasis. Incidence in Maior Depressive Disorder, OCD. Bulimia and Panic Disorder Placebo-Controlled Clinical Trials (Excluding

Data from Extensions of Trials): Table 3 enumerates the most common treatment-emergent adverse reactions associated with the use of fluoxetine (incidence of at least 5% for fluoxetine and at least twice that for placebo within at

least one of the indications) for the treatment of Major Depressive Disorder, OCD and bulimia in U.S. controlled clinical

trials and Panic Disorder in U.S. plus non-U.S. controlled trials. Table 5 enumerates treatment-emergent advers

reactions that occurred in 2% or more patients treated with fluoxetine and with incidence greater than placebo who

by indication in Table 3.

OCD

Percentage of Patients Reporting Even

Bulimia

									epidermal necrolysis, erythema multiforme, erythema nodosum, exfoliative dermatitis, galactorrhea, gynecomastia, heart
Body System/ Adverse Reaction	Fluoxetine (N=1,728)	Placebo (N=975)	Fluoxetine (N=266)	Placebo (N=89)	Fluoxetine (N=450)	Placebo (N=267)	Fluoxetine (N=425)	Placebo (N=342)	arrest ¹ , hepatic failure/necrosis, hyperprolactinemia, hypoglycemia, immune-related hemolytic anemia, kidney failure,
Body as a Whole									memory impairment, movement disorders developing in patients with risk factors including drugs associated with such reactions and worsening of preexisting movement disorders, optic neuritis, pancreatitis ¹ , pancytopenia, pulmonary embo-
Asthenia	9	5	15	11	21	9	7	7	lism, pulmonary hypertension, QT prolongation, Stevens-Johnson syndrome, thrombocytopenia ¹ , thrombocytopenic purpura,
Flu syndrome	3	4	10	7	8	3	5	5	ventricular tachycardia (including Torsades de Pointes-type arrhythmias), vaginal bleeding, and violent behaviors ¹ .
Cardiovascular System									¹ These terms represent serious adverse events, but do not meet the definition for adverse drug reactions. They are included here
Vasodilatation	3	2	5		2	1	1		because of their seriousness.
Digestive System									7 DRUG INTERACTIONS
Nausea	21	9	26	13	29	11	12	7	
Diarrhea	12	8	18	13	8	6	9	4	As with all drugs, the potential for interaction by a variety of mechanisms (e.g., pharmacodynamic, pharmacokinetic drug inhibition or enhancement, etc.) is a possibility.
Anorexia	11	2	17	10	8	4	4	1	7.1 Monoamine Oxidase Inhibitors (MAOI)
Dry mouth	10	7	12	3	9	6	4	4	[see Dosage and Administration (2.9, 2.10), Contraindications (4.1) and Warnings and Precautions (5.2)].
Dyspepsia	7	5	10	4	10	6	6	2	
Nervous System									7.2 CNS Acting Drugs
Insomnia	16	9	28	22	33	13	10	7	Caution is advised if the concomitant administration of fluoxetine and such drugs is required. In evaluating individual
Anxiety	12	7	14	7	15	9	6	2	cases, consideration should be given to using lower initial doses of the concomitantly administered drugs, using conserva-
Nervousness	14	9	14	15	11	5	8	6	tive titration schedules, and monitoring of clinical status [see Clinical Pharmacology (12.3)].
Somnolence	13	6	17	7	13	5	5	2	7.3 Serotonergic Drugs
Tremor	10	3	9	1	13	1	3	1	[see Dosage and Administration (2.9, 2.10), Contraindications (4.1) and Warnings and Precautions (5.2)].
Libido decreased	3		11	2	5	1	1	2	7.4 Drugs that Interfere with Hemostasis (e.g., NSAIDs, Aspirin, Warfarin)
Abnormal dreams	1	1	5	2	5	3	1	1	Serotonin release by platelets plays an important role in hemostasis. Epidemiological studies of the case control and cohort
Respiratory System									design that have demonstrated an association between use of psychotropic drugs that interfere with serotonin reuptake and
Pharyngitis	3	3	11	9	10	5	3	3	the occurrence of upper gastrointestinal bleeding have also shown that concurrent use of an NSAID or aspirin may potenti-
Sinusitis	1	4	5	2	6	4	2	3	ate this risk of bleeding. Altered anticoagulant effects, including increased bleeding, have been reported when SNRIs or
Yawn			7		11		1		SSRIs are coadministered with warfarin. Patients receiving warfarin therapy should be carefully monitored when fluoxetine is initiated or discontinued [see Warnings and Precautions (5.7)].
Skin and Appendages									7.5 Electroconvulsive Therapy (ECT)
Sweating	8	3	7		8	3	2	2	
Rash	4	3	6	3	4	4	2	2	There are no clinical studies establishing the benefit of the combined use of ECT and fluoxetine. There have been rare reports of prolonged seizures in patients on fluoxetine receiving ECT treatment.
Urogenital System									7.6 Potential for Other Drugs to Affect Fluoxetine
Impotence ³	2				7		1		Drugs Tightly Bound to Plasma Proteins: Because fluoxetine is tightly bound to plasma proteins, adverse effects may result
Abnormal ejaculation ³			7		7		2	1	from displacement of protein bound fluoxetine by other tightly-bound drugs [see Clinical Pharmacology (12.3)].
Incidence less than 1%.		D: 1 0	10D D I' '						7.7 Potential for Fluoxetine to Affect Other Drugs
Includes U.S. data for M Disorder clinical trials.									Pimozide: Concomitant use in patients taking pimozide is contraindicated. Pimozide can prolong the QT interval. Fluoxetine

inator used was for males only (N = 690 fluoxetine Major Depressive Disorder; N = 410 placebo Major Depressive Di N = 116 fluoxetine OCD; N = 43 placebo OCD; N = 14 fluoxetine bulimia; N = 1 placebo bulimia; N = 162 fluoxetine panic; N = 121 of pimozide with other antidepressants demonstrate an increase in drug interaction or QT prolongation. While a specific

Table 4: Treatment-Emergent Adverse Reactions: Incidence in Major Depressive Disorder, OCD, Bulimia and Panic Disorder Placebo-Controlled Clinical Trials^{1,2}

Percentage of Patients Reporting Event

Major Depressive Disorder, OCD, Bulimia and Panic Disorder Body System/ Fluoxetine (N = 2,869)Adverse Reaction Body as a Whole Headache Flu syndrome Cardiovascular System Digestive System Diarrhea Anorexia ry mouth Dyspepsia **Metabolic and Nutritional Disorders** Weight loss Nervous System Anxiety Somnolence Dizziness Libido decreaseo Thinking abnorma Skin and Appendage Abnormal vision

udence less than 176. Iudes U.S. data for Major Depressive Disorder, OCD, Bulimia and Panic Disorder clinical trials, plus non- U.S. data for Panic Associated with Discontinuation in Major Depressive Disorder, OCD, Bulimia and Panic Disorder Placebo-Controlled for Symbyax

Clinical Trials (Excluding Data from Extensions of Trials): Table 5 lists the adverse reactions associated with discon-Clinical Trials (Excluding Data from Extensions of Irrials). It is used to the strength of the Table 5: Most Common Adverse Reactions Associated with Discontinuation in Major Depressive Disorder, OCD, Bulimia

Panic Disorder Placebo-0	Controlled Clinical Trials ¹				
Major Depressive Disorder, OCD, Bulimia and Panic Disorder Combined (N = 1,533)	Major Depressive Disorder (N = 392)	OCD (N = 266)	Bulimia (N = 450)	Panic Disorder (N = 425)	
Anxiety (1%)		Anxiety (2%)		Anxiety (2%)	
			Insomnia (2%)		
	Nervousness (1%)			Nervousness (1%)	
		B 1 (4.07)	1	1	

Other Adverse Reactions in Pediatric Patients (Children and Adolescents): Treatment-emergent adverse reactions were collected in 322 pediatric patients (180 fluoxetine-treated, 142 placebo-treated). The overall profile of adverse reactions was generally similar to that seen in adult studies, as shown in Tables 4 and 5. However, the following adverse reactions (excluding those which appear in the body or footnotes of Tables 4 and 5 and those for which the COSTART terms were native or misleading) were reported at an incidence of at least 2% for fluoxetine and greater than placebo: thirst, hyperkinesia, agitation, personality disorder, epistaxis, urinary frequency and menorrhagia.

The most common adverse reaction (incidence at least 1% for fluoxetine and greater than placebo) associated with dis-

continuation in three pediatric placebo-controlled trials (N = 418 randomized; 228 fluoxetine-treated; 190 placebo-treated) was mania/hypomania (1.8% for fluoxetine-treated. 0% for placebo-treated). In these clinical trials, only a primary reaction 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 under morbidity and mortality. Several recent epidemiological studies suggest a positive statistical association between SSRI use (including fluoxetine) in pregnancy and PPHN. Other studies do not show a significant statistical association. estimate their actual incidence. In patients enrolled in U.S. Major Depressive Disorder, OCO and builming placebo-controlled clinical trials, decreased libido was the only sexual side effect reported by at least 2% of patients taking fluoxetine (4%

fluoxetine, < 1% placebo). There have been spontaneous reports in women taking fluoxetine of orgasmic dysfunction, Symptoms of sexual dysfunction occasionally persist after discontinuation of fluoxetine treatment.

Priapism has been reported with all SSRIs. When using fluoxetine and olanzapine in combination, also refer to the Adverse Reactions section of the package insert

While it is difficult to know the precise risk of sexual dysfunction associated with the use of SSRIs, physicians should an SSRI, along with the established benefits of treating depression with an antidepressant. The decision can only be made routinely inquire about such possible side effects. 6.2 Other Reactions

Following is a list of treatment-emergent adverse reactions reported by patients treated with fluoxetine in clinical trials.

This listing is not intended to include reactions (1) already listed in previous tables or elsewhere in labeling, (2) for which a

drug cause was remote, (3) which were so general as to be uninformative, (4) which were not considered to have significant studies, an increase in stillborn pups, a decrease in pup weight and an increase in pup deaths during the first 7 days postlinical implications, or (5) which occurred at a rate equal to or less than placebo. Reactions are classified by body system using the following definitions: frequent adverse reactions are those occurring in at least 1/100 patients; infrequent adverse reactions are those occurring in 1/100 to 1/1000 patients; rare reactions are mental neurotoxicity in the surviving offspring of rats treated with 12 mg/kg/day during gestation. The no-effect dose for

Body as a Whole: Frequent: chills; Infrequent: suicide attempt; Rare: acute abdominal syndrome, photosensitivity reaction. Cardiovascular System: Frequent: palpitation; Infrequent: arrhythmia, hypotension¹. Digestive System: Infrequent: dysphagia, gastritis, gastroenteritis, melena, stomach ulcer; Rare: bloody diarrhea, duodenal ulcer, esophageal ulcer, gastrointestinal hemorrhage, hematemesis, hepatitis, peptic ulcer, stomach ulcer hemorrhage. 8.3 Nursing Mothers Hemic and Lymphatic System: Infrequent: ecchymosis; Rare: petechia, purpura.

Nervous System: Frequent: emotional lability; Infrequent: akathisia, ataxia, balance disorder¹, bruxism¹, buccoglossal

syndrome, depersonalization, euphoria, hypertonia, libido increased, myoclonus, paranoid reaction; Rare: delusions. Respiratory System: Rare: larynx edema. Skin and Appendages: Infrequent: alopecia; Rare: purpuric rash

those occurring in fewer than 1/1000 patients.

nal hemorrhage. Adjusted for gender.

Urogenital System: Frequent: micturition disorder: Infrequent: dysuria, gynecological bleeding 1 MedDRA dictionary term from integrated database of placebo controlled trials of 15,870 patients, of which 9,673 patients re-

Group term that includes individual MedDRA terms; cervix hemorrhage uterine, dysfunctional uterine bleeding, genital hemor-

rhage, menometrorrhagia, menorrhagia, metrorrhagia, polymenorrhea, postmenopausal hemorrhage, uterine hemorrhage, vagi-

participated in U.S. Major Depressive Disorder, OCD and bulimia controlled clinical trials and U.S. plus non-U.S. Panic 6.3 Post-Marketing Experience d clinical trials. Table 4 provides combined data for the pool of studies that are provided separately

The following adverse reactions have been identified during post-approval use of fluoxetine. Because these reactions are reported voluntarily from a population of uncertain size, it is difficult to reliably estimate their frequency or evaluate a causal

Table 3: Most Common Treatment-Emergent Adverse Reactions: Incidence in Major Depressive Disorder, OCD, Bulimia Voluntary reports of adverse reactions temporally associated with fluoxetine that have been received since market introduc tion and that may have no causal relationship with the drug include the following: aplastic anemia, atrial fibrillation1, cataract, cerebrovascular accident¹, cholestatic jaundice, dyskinesia (including, for example, a case of buccal-lingual-masticatory syndrome with involuntary tongue protrusion reported to develop in a 77 year old female after 5 weeks of fluoxetine therapy and which completely resolved over the next few months following drug discontinuation), eosinophilic pneumonia¹, epidermal necrolysis, erythema multiforme, erythema nodosum, exfoliative dermatitis, galactorrhea, gynecomastia, heart arrest1, heptic failure/necrosis, hyperprolactinemia, hypeglycemia, immune-related hemolytic anemia, skiney failure, memory impairment, movement disorders developing in patients with risk factors including drugs associated with such reactions and worsening of preexisting movement disorders, optic neuritis, pancreatitis¹, pancytopenia, pulmonary embolism, pulmonary hypertension, QT prolongation, Stevens-Johnson syndrome, thrombocytopenia, thrombocytopenia pownone ventricular tachycardia (including Torsades de Pointes-type arrhythmias), vaginal bleeding, and violent behaviors and the control of the control

7.7 Potential for Fluoxetine to Affect Other Drugs Pimozide: Concomitant use in patients taking pimozide is contraindicated. Pimozide can prolong the QT interval. Fluoxetine can increase the level of pimozide through inhibition of CYP2D6. Fluoxetine can also prolong the QT interval. Clinical studies

study with pimozide and fluoxetine has not been conducted, the potential for drug interactions or QT prolongation warrants restricting the concurrent use of pimozide and fluoxetine [see Contraindications (4.2), Warnings and Precautions (5.10) and Drug Interactions (7.8)]. Thioridazine: Thioridazine should not be administered with fluoxetine or within a minimum of 5 weeks after fluoxetine has been discontinued, because of the risk of QT Prolongation [see Contraindications (4.2), Warnings and Precautions (5.10)

In a study of 19 healthy male subjects, which included 6 slow and 13 rapid hydroxylators of debrisonuin, a single 25 mg oral dose of thioridazine produced a 2.4-fold higher C_{max} and a 4.5-fold higher AUC for thioridazine in the slow hydroxylato compared with the rapid hydroxylators. The rate of debrisoguin hydroxylation is felt to depend on the level of CYP2D6 isome activity. Thus, this study suggests that drugs which inhibit CYP2D6, such as certain SSRIs, including fluoxetine, will

roduce elevated plasma levels of thioridazine. Thioridazine administration produces a dose related prolongation of the QT interval, which is associated with serious ventricular arrhythmias, such as Torsades de Pointes-type arrhythmias and sudden death. This risk is expected to increase with

fluoxetine-induced inhibition of thioridazine metabolism. Drugs Metabolized by CYP2D6: Fluoxetine inhibits the activity of CYP2D6, and may make individuals with normal CYP2D6 olic activity resemble a poor metabolizer. Coadministration of fluoxetine with other drugs that are metabolized by interations activity resimile a point interationizer. Sometimes are introductive in industries with other target rate are interationized by CYP2D6, including certain antidepressants (e.g., TCAs), antipsychotics (e.g., phenothiazines and most atpylicals) and antiarrhythmics (e.g., propafenone, flecainide and others) should be approached with caution. Therapy with medications that are predominantly metabolized by the CYP2D6 system and that have a relatively narrow therapeutic index (see list below) hould be initiated at the low end of the dose range if a patient is receiving fluoxetine concurrently or has taken it in the previous 5 weeks. Thus, his/her dosing requirements resemble those of poor metabolizers. If fluoxetine is added to the treatment regimen of a patient already receiving a drug metabolized by CYP2D6, the need for decreased dose of the original treatment regimen or a patient arready receiving a oring inetabolized by GTP206, the need for decreased dose of the original medication should be considered. Drugs with a narrow therapeutic index represent the greatest concern (e.g., flecainide, propafenone, vinblastine and TCAs). Due to the risk of serious ventricular arrhythmias and sudden death potentially asociated with elevated plasma levels of thioridazine, thioridazine should not be administered with fluoxetine or within a nimum of 5 weeks after fluoxetine has been discontinued [see Contraindications (4.2)].

increased greater than 2- to 10-fold when fluoxetine has been administered in combination. This influence may persist for 3 weeks or longer after fluoxetine is discontinued. Thus, the dose of TCAs may need to be reduced and plasma TCA concentrations may need to be monitored temporarily when fluoxetine is coadm [see Warnings and Precautions (5.2) and Clinical Pharmacology (12.3)]. Benzodiazapines: The half-life of concurrently administered diazepam may be prolonged in some patients [see Clinical Pharmacology (12.3)]. Coadministration of alprazolam and fluoxetine has resulted in increased alprazolam plasma concen-

Tricyclic Antidepressants (TCAs): In two studies, previously stable plasma levels of imipramine and desipramine have

trations and in further psychomotor performance decrement due to increased alprazolam levels. Antipsychotics: Some clinical data suggests a possible pharmacodynamic and/or pharmacokinetic interaction between SSRIs and antipsychotics. Elevation of blood levels of haloperidol and clozapine has been observed in patients receiving Anticonvulsants: Patients on stable doses of phenytoin and carbamazepine have developed elevated plasma anticonvi

sant concentrations and clinical anticonvulsant toxicity following initiation of concomitant fluoxetine treatment. Lithium: There have been reports of both increased and decreased lithium levels when lithium was used conce with fluoxetine. Cases of lithium toxicity and increased serotonergic effects have been reported. Lithium levels should be nonitored when these drugs are administered concomitantly [see Warnings and Precautions (5.2)]. Drugs Tightly Bound to Plasma Proteins: Because fluoxetine is tightly bound to plasma proteins, the administration of

fluoxetine to a patient taking another drug that is tightly bound to protein (e.g., Coumadin®, digitoxin) may cause a shift in plasma concentrations potentially resulting in an adverse effect [see Clinical Pharmacology (12.3)]. Drugs Metabolized by CYP3A4: In an in vivo interaction study involving coadministration of fluoxetine with single doses of terfenadine (a CYP3A4 substrate), no increase in plasma terfenadine concentrations occurred with concomitant fluoxetine. Additionally, in vitro studies have shown ketoconazole, a potent inhibitor of CYP3A4 activity, to be at least 100 times more potent than fluoxetine or norfluoxetine as an inhibitor of the metabolism of several substrates for this enzyme, including nizole, cisapride and midazolam. These data indicate that fluoxetine's extent of inhibition of CYP3A4 activity is not

Olanzapine: Fluoxetine (60 mg single dose or 60 mg daily dose for 8 days) causes a small (mean 16%) increase in the maximum concentration of olanzapine and a small (mean 16%) decrease in olanzapine clearance. The magnitude of the impact of this factor is small in comparison to the overall variability between individuals, and therefore dose modification When using fluoxetine and olanzapine and in combination, also refer to the Drug Interactions section of the package insert

8.1 Pregnancy

likely to be of clinical significance.

zine, droperidol): specific antibiotics (e.g., erythromycin, gatifloxacin, moxifloxacin, sparfloxacin): Class 1A antiarrhythmic medications (e.g., quinidine, procainamide). Class III antiarrhythmics (e.g., amiodarone, sotalol); and others (e.g., pentamidine, levomethadyl acetate, methadone, halofantrine, mefloquine, dolasetron mesylate, probucol or tacrolimus). Fluoxetine is primarily metabolized by CYP2D6. Concomitant treatment with CYP2D6 inhibitors can increase the concentration of fluoxetine. Concomitant use of other highly protein-bound drugs can increase the concentration of fluoxetine [see Contraindications (4.2), Warnings and Precautions (5.10), Drug Interactions (7.7) and Clinical Pharmacology (12.3)].

8 USE IN SPECIFIC POPULATIONS When using fluoxetine and olanzapine in combination, also refer to the Use in Specific Populations section of the package insert for Symbyax

Teratogenic Effects. Pregnancy Category C: Fluoxetine should be used during pregnancy only if the notential benefit instiregardless of drug exposure. Treatment of Pregnant Women During the First Trimester: There are no adequate and well controlled clinical studies of the use of fluoxetine in pregnant women. Results of a number of published epidemiological studies assessing the risk of the use of modernia in pregnant varieties and a number of pregnancy have demonstrated inconsistent results. More than ten cohort studies and case-control studies failed to demonstrate an increased risk for congenital malformations overall. However, one prospective cohort study conducted by the European Network of Teratology Information Services reported an increased risk of cardiovascular malformations in infants born to women (N = 253) exposed to fluovetine during the first trimester of pregnancy compared to infants of women (N = 1,359) who were not exposed to fluovetine. There was no specific pattern of

vascular malformations. Overall, however, a causal relationship has not been established

tors (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, yomiting, 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 and Precautions (5.2)]. Infants exposed to SSRIs in pregnancy may have an increased risk for persistent pulmonary hypertension of the newborn (PPHN). PPHN occurs in 1 to 2 per 1,000 live births in the general population and is associated with substantial neonatal

Nonteratogenic Effects: Neonates exposed to fluoxetine and other SSRIs or serotonin and norepinephrine reuptake inhibi-

Physicians should also note the results of a prospective longitudinal study of 201 pregnant women with a history of major depression, who were either on antidepressants or had received antidepressants less than 12 weeks prior to their last menstrual period, and were in remission. Women who discontinued antidepressant medication during pregnancy shows a significant increase in relapse of their major depression compared to those women who remained on antidepre medication throughout pregnancy. When treating a pregnant woman with fluoxetine, the physician should carefully consider both the potential risks of taking

on a case by case basis [see Dosage and Administration (2.7)]. Animal Data: In embryo-fetal development studies in rats and rabbits, there was no evidence of teratogenicity following administration of fluoxetine at doses up to 12.5 and 15 mg/kg/day, respectively (1.5 and 3.6 times, respectively, the maximum recommended human dose (MRHD) of 80 mg on a mg/m² basis) throughout organogenesis. However, in rat reproduction partum occurred following maternal exposure to 12 mg/kg/day (1.5 times the MRHD on a mg/m² basis) during gestation or 7.5 mg/kg/day (0.9 times the MRHD on a mg/m² basis) during gestation and lactation. There was no evidence of develop-

rat pup mortality was 5 mg/kg/day (0.6 times the MRHD on a mg/m² basis) 8.2 Labor and Delivery The effect of fluoxetine on labor and delivery in humans is unknown. However, because fluoxetine crosses the placenta and because of the possibility that fluoxetine may have adverse effects on the newborn, fluoxetine should be used during labor and delivery only if the potential benefit justifies the potential risk to the fetus.

Because fluoxetine is excreted in human milk, nursing while on fluoxetine is not recommended. In one breast-milk sam-

Use of Fluoxetine in Children: The efficacy of fluoxetine for the treatment of Major Depressive Disorder was demonstrated

OCD have not been established.

ple, the concentration of fluoxetine plus norfluoxetine was 70.4 ng/mL. The concentration in the mother's plasma was 295 ng/mL. No adverse effects on the infant were reported. In another case, an infant nursed by a mother on fluoxetine developed crying, sleep disturbance, vomiting and watery stools. The infant's plasma drug levels were 340 ng/mL of fluoxetine and 208 ng/mL of norfluoxetine on the second day of feeding. 8.4 Pediatric Use

in two 8- to 9-week placebo-controlled clinical trials with 315 pediatric outpatients ages 8 to ≤ 18 [see Clinical Studies The efficacy of fluoxetine for the treatment of OCD was demonstrated in one 13-week placebo-controlled clinical trial with 103 pediatric outpatients ages 7 to < 18 [see Clinical Studies (14.2)]. The safety and effectiveness in pediatric patients < 8 years of age in Major Depressive Disorder and < 7 years of age in

Fluoxetine pharmacokinetics were evaluated in 21 pediatric patients (ages 6 to ≤ 18) with Major Depressive Disorder or OCD [see Clinical Pharmacology (12.3)].

The acute adverse reaction profiles observed in the three studies (N = 418 randomized; 228 fluoxetine-treated, 190 placebotreated) were generally similar to that observed in adult studies with fluoxetine. The longer term adverse reaction profile

ALP:FLUTT:R6mpbml

observed in the 19-week Major Depressive Disorder study (N = 219 randomized; 109 fluoxetine-treated, 110 placebo- half-life of 4 to 16 days after acute and chronic administration), leads to significant accumulation of these active species in PHARMACIST: Dispense a Medication Guide with each prescription

treated) was also similar to that observed in adult trials with fluoxetine [see Adverse Reactions (6.1)].

onitoring for the occurrence of mania/hypomania is recommended. As with other SSRIs, decreased weight gain has been observed in association with the use of fluoxetine in children and adolescent patients. After 19 weeks of treatment in a clinical trial, pediatric subjects treated with fluoxetine gained an averstudies that directly evaluate the longer term effects of fluoxetine on the growth, development and maturation of children 12.4 Specific Populations lescent patients. Therefore, height and weight should be monitored periodically in pediatric patients receiving Liver Disease: As might be predicted from its primary site of metabolism, liver impairment can affect the elimination of

to rats from weaning postnatal day 21 through adulthood day 90 at 3, 10 or 30 mg/kg/day corresponding to plasma exposures

Specific Populations (8.6).

Renal Disease: In depressed patients on dialysis (N = 12), fluoxetine administered as 20 mg once daily for 2 months [AUC] approximately 5 to 10 times the average AUC in pediatric patients at the MRHD of 20 mg/day), increased serum levels produced steady-state fluoxetine and norfluoxetine plasma concentrations comparable with those seen in patients with of creatine kinase (at AUC as low as 1 to 2 times the average AUC in pediatric patients at the MRHD of 20 mg/day), skeletal muscle degeneration and necrosis, decreased femur length/growth and body weight gain (at AUC 5 to 10 times the average levels in patients with severe renal dysfunction, use of a lower or less frequent dose is not routinely necessary in renally AUC in pediatric patients at the MRHD of 20 mg/day). The high dose of 30 mg/kg/day exceeded a maximum tolerated dose. impaired patients. When animals were evaluated after a drug-free period (up to 11 weeks after cessation of dosing), flowering was associated with neurobehavioral abnormalities (decreased reactivity at AUC as low as approximately 0.1 to 0.2 times the average AUC in pediatric patients at the MRHD and learning deficit at the high dose) and reproductive functional impairment (decreased mating at all doses and impaired fertility at the high dose). In addition, the testicular and epididymal microscopic lesions and decreased sperm concentrations found in high dose group were also observed, indicating that the drug effects on the metabolism of fluoxetine have been investigated in 260 elderly but otherwise healthy depressed patients (2-60 years

in juvenile rats receiving 3, 10 or 30 mg/kg/day doses in this study are approximately 0.1 to 0.2, 1 to 2, and 5 to 10 times, elderly patient patients receiving the MRHD of 20 mg/day. Rat exposures to the norfluoxetine, are approximately 0.3 to 0.8, 1 to 8, and 3 to 20 times, respectively, the pediatric exposure at the MRHD. week old mice for 4 weeks at doses 0.5 and 2 times the oral MRHD of 20 mg/day on mg/m² basis. There was a decrease in tions of fluoxetine in these children were 2-fold higher than in adolescents (171 and 86 ng/mL, respectively). The average bone mineralization and density at both doses, but the overall growth (body weight gain or femur length) was not affected.

Safety and effectiveness of fluoxetine and olanzapine in combination in patients less than 10 years of age have not been

U.S. fluoxetine clinical trials included 687 patients ≥ 65 years of age and 93 patients ≥ 75 years of age. The efficacy in geriatric patients has been established [see Clinical Studies (14.1)]. For pharmacokinetic information in geriatric patients, [see Clinical Pharmacology (12.4)]. No overall differences in safety or effectiveness were observed between these subjects and younger subjects, and other reported clinical experience has not identified differences in responses between the elderly 3 to 4 weeks of daily dosing. d younger patients, but greater sensitivity of some older individuals cannot be ruled out. SNRIs and SSRIs, including 13 NONCLINICAL TOXICOLOGY oxetine, have been associated with cases of clinically significant hyponatremia in elderly patients, who may be at greater

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility risk for this adverse reaction [see Warnings and Precautions (5.8)]. Clinical studies of olanzapine and fluoxetine in combination did not include sufficient numbers of patients ≥ 65 years of

age to determine whether they respond differently from younger patients. 8.6 Hepatic Impairment

In subjects with cirrhosis of the liver, the clearances of fluoxetine and its active metabolite, norfluoxetine, were decreased. thus increasing the elimination half-lives of these substances. A lower or less frequent dose of fluoretine should be used in patients with crimbosis. Caution is advised when using fluoxetine in patients with diseases or conditions that could affect its metabolism [see Dosage and Administration (2.7) and Clinical Pharmacology (12.4)].

Impairment of Fertility: Two fertility studies conducted in adult rats at doses of up to 7.5 and 12.5 mg/kg/day (approximately 0 and 15 times the MRRID on a mg/m² basis indicated that fluovetine had no adverse effects on fertility. However

dependence. While the premarketing clinical experience with fluoxetine did not reveal any tendency for a withdrawal syndrome or any drug seeking behavior, these observations were not systematic and it is not possible to predict on the basis of this limited experience the extent to which a CNS active drug will be misused, diverted and/or abused once marketed. Consequently, physicians should carefully evaluate patients for history of drug abuse and follow such patients closely, observing them for signs of misuse or abuse of fluoxetine (e.g., development of tolerance, incrementation of dose, drug

10 OVERDOSAGE

Among 633 adult patients who overdosed on fluoxetine hydrochloride alone, 34 resulted in a fatal outcome, 378 completely recovered and 15 patients experienced sequelae after overdosage, including abnormal accommodation, abnormal gart, confusion, unresponsiveness, nervousness, pulmonary dysfunction, vertigo, tremor, elevated blood pressure, impotence, movement disorder and hypomania. The remaining 206 patients had an unknown outcome. The most common signs and subsequently recovered. However, in an adult patient who took fluoxetine alone, an ingestion as low as 520 mg has been associated with lethal outcome, but causality has not been established.

A study was conducted involving depressed outpatients who had responded (modified HAMD-17 score of \leq 7 during each of the last 3 weeks of open-label treatment and absence of Major Depressive Disorder by DSM-III-R criteria) by the end of an

syndrome with tics, attention deficit disorder and fetal alcohol syndrome. He had been receiving 100 mg of fluoxetine daily of ≥ 14 for 3 weeks) was observed for patients taking fluoxetine compared with those on placebo. for 6 months in addition to clonidine, methylphenidate and promethazine. Mixed-drug ingestion or other methods of suicide Pediatric (Children and Adolescents). The efficacy of fluoxetine 20 mg/day in children and adolescents (N = 315 randomcomplicated all six overdoses in children that resulted in fatalities. The largest ingestion in pediatric patients was 3 grams ized; 170 children ages 8 to < 13, 145 adolescents ages 13 to < 18) was studied in two 8- to 9-week placebo-controlled which was nonlethal.

Other important adverse reactions reported with fluoxetine overdose (single or multiple drugs) include coma, delirium, of Major Depressive Disorder ECG abnormalities (such as nodal rhythm, QT interval prolongation and ventricular arrhythmias, including Torsades de Pointes-type arrhythmias), hypotension, mania, neuroleptic malignant syndrome-like reactions, pyrexia, stupor and

animal experiments can provide useful insights into possible treatment strategies.

upon the bolus intravenous administration of a standard veterinary dose of diazepam. In this short-term study, the lowest on the YBOCS total score, compared with a 1-unit reduction for placebo patients. In Study 2, patients receiving fluoxetine taking 80 mg/day, chronically.

intervals. Tachycardia and an increase in blood pressure were observed. Consequently, the value of the ECG in predicting cardiac toxicity is unknown. Nonetheless, the ECG should ordinarily be monitored in cases of human overdose [see Overdosage (10.3)]. intervals. Tachycardia and an increase in blood pressure were observed. Consequently, the value of the ECG in predict-

10.3 Management of Overdose

For current information on the management of fluoxetine overdose, contact a certified poison control center agement of overdosage with any drug. Consider the possibility of multi-drug overdose. Ensure an adequate airway, oxygenation and ventilation. Monitor cardiac rhythm and vital signs. Use general supportive

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

and symptomatic measures. Induction of emesis is not recommended.

A specific caution involves patients who are taking or have recently taken fluoxetine and might ingest excessive quantities of a TCA. In such a case, accumulation of the parent tricyclic and/or an active metabolite may increase the possibility of clinically of age or sex. significant sequelae and extend the time needed for close medical observation (see Drug Interactions (7.7)).

For specific information about overdosage with olanzapine and fluoxetine in combination, refer to the Overdosage section

Fluoxetine is a selective serotonin reuptake inhibitor for oral administration. It is also marketed for the treatment of pre-menstrual dysphoric disorder (Sarafem®, fluoxetine hydrochloride). It is designated (\pm) -N-methyl-3-phenyl-3- $[(\alpha,\alpha,\alpha]$ - $(\alpha,\alpha]$ - (α,α) - $(\alpha,$ rifluoro-p-tolyl)oxy]propylamine hydrochloride and has the molecular formula of C₁₇H₁₈F₃NO·HCl. Its molecular weight is

Fluoxetine hydrochloride, USP is a white to off-white crystalline solid with a solubility of 14 mg/mL in water. Each tablet contains fluoxetine hydrochloride equivalent to 10 mg (32.3 μ mol) or 20 mg (64.7 μ mol) of fluoxetine. In addition, each tablet also contains the following inactive ingredients: crospovidone, hypromellose, magnesium stearate, maize (corn) starch, microcrystalline cellulose, polyethylene glycol, silica colloidal anhydrous, and titanium dioxide.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action Although the exact mechanism of fluoxetine is unknown, it is presumed to be linked to its inhibition of CNS neuronal

12.2 Pharmacodynamic

platelets. Studies in animals also suggest that fluoxetine is a much more potent untake inhibitor of serotonin than of

Antagonism of muscarinic, histaminergic and α_1 -adrenergic receptors has been hypothesized to be associated with various anticholinergic, sedative and cardiovascular effects of classical tricyclic antidepressant (TCA) drugs. Fluoxetine binds to these and other membrane receptors from brain tissue much less potently *in vitro* than do the tricyclic drugs.

55 ng/mL are observed after 6 to 8 hours.

Protein Binding: Over the concentration range from 200 to 1000 ng/mL, approximately 94.5% of fluoxetine is bound in placebo-treated patients, 62% vs. 44%, respectively.

teins, including albumin and α_1 -glycoprotein. The interaction between fluoxetine and other highly 16 HOW SUPPLIED/STORAGE AND HANDLING protein bound drugs has not been fully evaluated, but may be important. ***Enantiomers: Fluoxetine is a racemic mixture (50/50) of *R*-fluoxetine and *S*-fluoxetine enantiomers. In animal models, both 16.1 How Supplied Fluoretine and potents enrotoning to be predominant enabling and is the predominant enabling register and the screen and 10 on the right of the score and 10 on the r S-fluoxetine enantiomer is eliminated more slowly and is the predominant enantiomer present in plasma at steady-state.

Metabolism: Fluoxetine is extensively metabolized in the liver to norfluoxetine and a number of other unidentified meabolites. The only identified active metabolite, norfluoxetine, is formed by demethylation of fluoxetine. In animal models -norfluoxetine is a potent and selective inhibitor of serotonin uptake and has activity essentially equivalent to *R*- on S-fluoxetine. R-norfluoxetine is significantly less potent than the parent drug in the inhibition of serotonin uptake. The Variability in Metabolism: A subset (about 7%) of the population has reduced activity of the drug metabolizing enzyme
The 20 mg tablet is a white film-coated, oval tablet debossed with FL on the left of the score and 20 on the right of the score

rome P450 2D6 (CYP2D6). Such individuals are referred to as "poor metabolizers" of drugs such as debrisoquin, on one side of the tablet and 6 on the other side. They are available as follows: dextromethorphan and the TCAs. In a study involving labeled and unlabeled enantiomers administered as a racemate, these individuals metabolized S-fluoxetine at a slower rate and thus achieved higher concentrations of S-fluoxetine. Consequently oncentrations of S-norfluoxetine at steady-state were lower. The metabolism of R-fluoxetine in these poor metabolizers appears normal. When compared with normal metabolizers, the total sum at steady-state of the plasma concentrations of the four active enantiomers was not significantly greater among poor metabolizers. Thus, the net pharmacodynamic activities were essentially the same. Alternative, nonsaturable pathways (non-2D6) also contribute to the metabolism of fluoxetine This explains how fluoxetine achieves a steady-state concentration rather than increasing without limit.

Because fluoxetine's metabolism, like that of a number of other compounds including TCAs and other selective serotoning reuptake inhibitors (SSRIs), involves the CYP2D6 system, concomitant therapy with drugs also metabolized by this enzyme system (such as the TCAs) may lead to drug interactions [see Drug Interactions (7.7)].

Accumulation and Slow Elimination: The relatively slow elimination of fluoxetine (elimination half-life of 1 to 3 days after Protect from light.

acute administration and 4 to 6 days after chronic administration) and its active metabolite, norfluoxetine (elimination Dispense in a tight, light-resistant container as defined in the USP using a child-resistant closure

chronic use and delayed attainment of steady-state, even when a fixed dose is used [see Warnings and Precautions (5.12)]. Manic reaction, including mania and hypomania, was reported in six (one mania, five hypomania) out of 228 (2.6%)

After 30 days of dosing at 40 mg/day, plasma concentrations of fluoxetine in the range of 91 to 302 ng/mL and norfluoxetine Including maintain and in pount of 190 (%) placebo-treated patients. Mania/hypomania led to the discontinuation of four (1.8%) fluoxetine-treated patients and in 0 out of 190 (%) placebo-treated patients. Mania/hypomania led to the discontinuation in the range of 72 to 258 ng/ml. have been observed. Plasma concentrations of fluoxetine were higher than those predicted by single-dose studies, because fluoxetine's metabolism is not proportional to dose. Northweeting, however, appears to have days. Steady-state levels after prolonged dosing are similar to levels seen at 4 to 5 weeks.

The long elimination half-lives of fluoretine and norfluoretine assure that even when dosing is stopped active drug subage of 1.1 cm less in height and 1.1 kg less in weight than subjects treated with placebo. In addition, fluowetine treatment stance will persist in the body for weeks (primarily depending on individual patient characteristics, previous dosing regimen

Halthcare providers should instruct their patients to read the Medication Guide before starting therapy with fluowetine was associated with a decrease in alkaline phosphatase levels. The safety of fluoxetine treatment for pediatric patients has not been systematically assessed for chronic treatment longer than several months in duration. In particular, there are no

Thousetine is approved for use in pediatric patients with MDD and OCD [see Box Warnings and Precautions (5.1)].

Anyone considering the use of fluoxetine is a pproved for use in a child or adolescent must balance the potential risks with the clinical need.

The provided for use in pediatric patients with MDD and OCD [see Box Warning and Warnings and Precautions (5.1)].

The providence was providing the use of fluoxetine in a child or adolescent must balance the potential risks with the clinical need.

The providence was providing to use use of a to 9 days is normal subjects. This sugarthy and precautions (5.1)].

The providing to use use of 2 to 3 days seen in subjects without liver disease; norfluoxetine elimination was also delayed, with a mean duration of 12 days for cirrhotic patients compared with the range of 7 to 9 days in normal subjects. This sugarthy and precautions (5.1)].

Patients should be advised of the following issues and asked to alert their healthcare provider if these occur while taking fluoxetine. The elimination half-life of fluoxetine was prolonged in a study of cirrhotic patients, with a mean of 7.6 days tents. Patients should be given the opportunity to discuss the contents of the Medication Guide and to obtain answers to Animal Data: Significant toxicity on muscle tissue, neurobehavior, reproductive organs and bone development has been gests that the use of fluoxetine in patients with liver disease must be approached with caution. If fluoxetine is administered served following exposure of juvenile rats to fluoxetine from weaning through maturity. Oral administration of fluoxetine to patients with liver disease, a lower or less frequent dose should be used [see Dosage and Administration (2.7), Use in

reproductive organs are irreversible. The reversibility of fluovetine-induced muscle damage was not assessed.

of age) who received 20 mg fluovetine for 6 weeks. Combined fluovetine plus norfluovetine pl

metabolite, Pediatric Pharmacokinetics (Children and Adolescents): Fluoxetine pharmacokinetics were evaluated in 21 pediatric patients (ten children ages 6 to < 13, 11 adolescents ages 13 to < 18) diagnosed with Major Depressive Disorder or Obsessive Compulsive Disorder (OCD). Fluoxetine 20 mg/day was administered for up to 62 days. The average steady-state concentrations of the concentration of the in fluoxetine pharmacokinetics was observed. Similar ranges of fluoxetine and norfluoxetine plasma concentrations were 17.4 Allergic Reactions and Rash observed in another study in 94 pediatric patients (ages 8 to < 18) diagnosed with Major Depressive Disorder. Higher average steady-state fluoxetine and norfluoxetine concentrations were observed in children relative to adults; how-

rations were within the range of concentrations observed in the adult population. As in adults, fluoxetine and norfluoxetine accumulated extensively following multiple oral dosing; steady-state concentrations were achieved within

Carcinogenicity: The dietary administration of fluoxetine to rats and mice for 2 years at doses of up to 10 and 12 mg/kg/day, respectively [approximately 1.2 and 0.7 times, respectively, the maximum recommended human dose (MRHD) of 80 mg on a mø/m² hasis1, produced no evidence of carcinogenicity.

Mutagenicity: Fluoxetine and norfluoxetine have been shown to have no genotoxic effects based on the following assays bacterial mutation assay, DNA repair assay in cultured rat hepatocytes, mouse lymphoma assay and *in vivo* sister chromatid exchange assay in Chinese hamster bone marrow cells.

mately 0.9 and 1.5 times the MRHD on a mg/m² basis) indicated that fluoxetine had no adverse effects on fertility. However adverse effects on fertility were seen when juvenile rats were treated with fluoxetine [see Use in Specific Populations (8.4)].

13.2 Animal Toxicology and/or Pharmacology Fluoxetine has not been systematically studied, in animals or humans, for its potential for abuse, tolerance or physical

Phospholipids are increased in some tissues of mice, rats and dogs given fluoxetine chronically. This effect is reversible after cessation of fluoretine treatment. Phospholipid accumulation in animals has been observed with many cationic am-

14 CLINICAL STUDIES

14.1 Major Depressive Disorder

10.1 Human Experience

Worldwide exposure to fluoxetine was strown to be significantly more effective than placebo as measured by

Worldwide exposure to fluoxetine was strown to be significantly more effective than placebo as measured by

Worldwide exposure to fluoxetine was strown to be significantly more effective than placebo as measured by overdose involving fluoxetine hydrochloride, alone or with other drugs, reported from this population, there were 195 deaths. the Hamilton Depression Rating Scale (HAM-D). Fluoxetine was also significantly more effective than placebo on the HAM-D subscores for depressed mood, sleep disturbance and the anxiety subfacti

ymptoms associated with nonfatal overdosage were seizures, somnolence, nausea, tachycardia and vomiting. The largest HAM-D score and a total endpoint HAM-D score of ≤ 8 . Fluoxetine was well tolerated and the rate of treatment discontinuations in a patient who took fluoxetine alone and who ations due to adverse reactions did not differ between fluoxetine (12%) and placebo (9%).

Among pediatric patients (ages 3 months to 17 years), there were 156 cases of overdose involving fluoxetine alone or in initial 12-week open-treatment phase on fluoxetine 20 mg/day. These patients (N = 298) were randomized to continuation combination with other drugs. Six patients died, 127 patients completely recovered, one patient experienced renal failure and 22 patients had an unknown outcome. One of the six fatalities was a 9 year old boy who had a history of OCD, Tourette's (defined as symptoms sufficient to meet a diagnosis of Major Depressive Disorder for 2 weeks or a modified HAMD-17 score

ssed outpatients whose diagnoses corresponded most closely to the DSM-III-R or DSM-IV category

Subgroup analyses on the CDRS-R total score did not suggest any differential responsiveness on the basis of age or gender.

14.2 Obsessive Compulsive Disorder Studies in animals do not provide precise or necessarily valid information about the treatment of human overdose. However,

**Adult: The effectiveness of fluoxetine for the treatment of Obsessive Compulsive Disorder (OCD) was demonstrated in two designs of the design 13-week, multicenter, parallel group studies (Studies 1 and 2) of adult outpatients who received fixed fluoxetine doses he oral median lethal dose in rats and mice was found to be 452 and 248 mg/kg, respectively. Acute high oral doses of 20, 40 or 60 mg/day (on a once-a-day schedule, in the morning) or placebo. Patients in both studies had moderate to produced hyperirritability and convulsions in several animal species.

Among six dogs purposely overdosed with oral fluoxetine, five experienced grand mal seizures. Seizures stopped immediately

severe OCD (DSM-III-R), with mean baseline ratings on the Yale-Brown Obsessive Compution Scale (YBDCS, total score) ranging from 22 to 26. In Study 1, patients receiving fluoxetine experienced mean reductions of approximately 4 to 6 units

a concentration at which a seizure occurred was only twice the maximum plasma concentration seen in humans (80 mg/day, chronically. In a separate single-dose study, the ECG of dogs given high doses did not reveal prolongation of the PR, QRS or QT response relationship was observed in Study 2, with numerically better responses in the two higher dose groups. The

Table 6: Outcome Classification (%) on CGI Improvement Scale for Completers in Pool of Two OCD Studie

		Fluoxetine		
Outcome Classification	Placebo	20 mg	40 mg	60 mg
Worse	8%	0%	0%	0%
No Change	64%	41%	33%	29%
Minimally Improved	17%	23%	28%	24%
Much Improved	8%	28%	27%	28%
Very Much Improved	3%	8%	12%	19%

Exploratory analyses for age and gender effects on outcome did not suggest any differential responsiveness on the basis $\textit{Pediatric (Children and Adolescents):} \ \text{In one } 13\text{-week clinical trial in pediatric patients (N = 103 \ randomized; } 75\ \text{children and } 103\ \text{randomized; } 103\ \text{$ ages 7 to < 13, 28 adolescents ages 13 to < 18) with OCD (DSM-IV), patients received fluoxetine 10 mg/day for 2 weeks. What is the most important information I should know about fluoxetine followed by 20 mg/day for 2 weeks. The dose was then adjusted in the range of 20 to 60 mg/day on the basis of clinica esponse and tolerability. Fluoxetine produced a statistically significantly greater mean change from baseline to endpoint

than did placebo as measured by the Children's Yale-Brown Obsessive Compulsive Scale (CY-BO)

14.3 Bulimia Nervosa

parallel group studies of adult outpatients meeting DSM-III-R criteria for bulimia, Patients in the 8-week studies received either 20 or 60 mg/day of fluoxetine or placeho in the morning. Patients in the 16-week study received a fixed fluoxetine dose of and vomiting frequencies ranging from 7 to 10 per week and 5 to 9 per week, respectively. In these three studies, fluoxetine 60 mg, but not 20 mg, was statistically significantly superior to placebo in reducing the number of binge-eating and vomiting pisodes per week. The statistically significantly superior effect of 60 mg vs. placebo was present as early as Week 1 and ersisted throughout each study. The fluoxetine-related reduction in bulimic episodes appeared to be independent of baselin lepression as assessed by the Hamilton Depression Rating Scale. In each of these three studies, the treatment effect, as isured by differences between fluoxetine 60 mg and placebo on median reduction from baseline in frequency of bulimi behaviors at endpoint, ranged from 1 to 2 episodes per week for binge-eating and 2 to 4 episodes per week for yomiting. The size of the effect was related to baseline frequency, with greater reductions seen in patients with higher baseline frequencies. Although some patients achieved freedom from binge-eating and purging as a result of treatment, for the majority, the

benefit was a partial reduction in the frequency of binge-eating and purging. In a longer term trial, 150 patients meeting DSM-IV criteria for Bulimia Nervosa, purging subtype, who had responded during a single-blind, 8-week acute treatment phase with fluoxetine 60 mg/day, were randomized to continuation of fluoxetine ing a single-uning, wherea acute teaching phase with modernee on ingrady, where an anounties u continuation of modernee of 00 mg/day or placebo, for up to 52 weeks of observation for relapse. Response during the single-blind phase was defined by having achieved at least a 50% decrease in vomiting frequency compared with baseline. Relapse during the doubleblind phase was defined as a persistent return to baseline vomiting frequency or physician judgment that the patient had relapsed. Patients receiving continued fluxwetine 60 mg/day experienced a significantly longer time to relapse over the subsequent 52 weeks compared with those receiving placebo.

14.4 Panic Disorder

The effectiveness of fluoxetine in the treatment of Panic Disorder was demonstrated in two double-blind, randomized, placebo-controlled, multicenter studies of adult outpatients who had a primary diagnosis of Panic Disorder (DSM-IV), with

Study 1 (N = 180 randomized) was a 12-week flexible-dose study. Fluoxetine was initiated at 10 mg/day for the first week, after which patients were dosed in the range of 20 to 60 mg/day on the basis of clinical response and tolerability. A statistically significantly greater percentage of fluoxetine-treated patients were free from panic attacks at endpoint than symptoms, or call 911 if an emergency, especially if they are new, placebo-treated patients, 42% vs. 28%, respectively

Study 2 (N = 214 randomized) was a 12-week flexible-dose study. Fluoxetine was initiated at 10 mg/day for the first ability of fluoxetine, although it may delay its absorption by 1 to 2 hours, which is probably not clinically significant. Thus, fluoxetine may be administered with or without food.

on one side of the tablet and G on the other side. They are available as follows

bottles of 30 tablets

NDC 0378-0734-01

NDC 0378-0735-01 bottles of 1000 tablets

Store at 20° to 25°C (68° to 77°F). [See USP Controlled Room Temperature.]

17 PATIENT COUNSELING INFORMATION

Patients should be advised of the following issues and asked to alert their prescriber if these occur while taking fluoxetine linear pharmacokinetics. Its mean terminal half-life after a single dose was 8.6 days and after multiple dosing was 9.3 as monotherapy or in combination with olanzapine. When using fluoxetine and olanzapine in combination, also refer to the

Healthcare providers should inform nations their families and their caregivers about the henefits and risks associated

with treatment with fluoxetine and should counsel them in its appropriate use. Healthcare providers should instruct patients, their families and their caregivers to read the Medication Guide and should assist them in understanding its con-

fluoxetine tablets. When using fluoxetine and olanzapine in combination, also refer to the Medication Guide for Symbyax^Q

17.2 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 rest mania, other unusual changes in behavior, worsening of depression and suicidal ideation, especially early during antide means, other amount names in brother than 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 [see Box Warming and Warnings and Precautions (5.1)1.

Patients should be cautioned about the risk of serotonin syndrome with the concomitant use of fluoxetine and other serotonergic agents including triptans, tricyclic antidepressants, fentanyl, lithium, tramadol, buspirone, tryptophan, and St. John's Wort [see Contraindications (4.1), Warnings and Precautions (5.2) and Drug Interactions (7.3)]. Patients should be advised of the signs and symptoms associated with serotonin syndrome that may include mental status changes (e.g., agitation, hallucinations, delirium and coma), autonomic instability (e.g., tachycardia, labile blood pressure, dizziness, diaphoresis, flushing, hyperthermia), neuromuscular changes (e.g., tremor, rigidity, myoclonus, hyperreflexia,

incoordination), seizures and/or gastrointestinal symptoms (e.g., nausea, vomiting, diarrhea). Patients should be cautioned

to seek medical care immediately if they experience these symptom

Patients should be advised to notify their physician if they develop a rash or hives [see Warnings and Precautions (5.3)]. Patients should also be advised of the signs and symptoms associated with a severe allergic reaction, including swellin of the face, eyes or mouth, or have trouble breathing. Patients should be cautioned to seek medical care immediately

Patients should be cautioned about the concomitant use of fluoxetine and NSAIDs, aspirin, warfarin or other drugs that affect coagulation since combined use of psychotropic drugs that interfere with serotonin reuptake and these agents have been associated with an increased risk of bleeding [see Warnings and Precautions (5.7) and Drug Interactions (7.4)]. Patients should be advised to call their doctor if they experience any increased or unusual bruising or bleeding while taking fluoxetine.

17.6 Hyponatremia Patients should be advised that hyponatremia has been reported as a result of treatment with SNRIs and SSRIs, including fluoxetine. Signs and symptoms of hyponatremia include headache, difficulty concentrating, memory impairme confusion, weakness and unsteadiness, which may lead to falls. More severe and/or acute cases have been associated

17.7 QT Prolongation Patients should be advised that QT interval prolongation and ventricular arrhythmia including Torsades de Pointes have rations should be advised that of interval privilegation and symptoms of ventricular arrhythmia including busaues der rollies lave been reported in patients treated with fluoxetine. Signs and symptoms of ventricular arrhythmia include fast, slow, or irregular heart rate, dyspnea, syncope or dizziness, which may indicate serious cardiac arrhythmia (see Warnings and Precautions (5.10)1.

17.8 Potential for Cognitive and Motor Impairment

When using fluoxetine and olanzapine in combination, also refer to the Clinical Studies section of the package insert for hazardous machinery until they are reasonably certain that their performance is not affected (see Warnings and Precau-

Daily Dosing: Adult: The efficacy of fluoxetine was studied in 5- and 6-week placebo-controlled trials with depressed adult

Patients should be advised that taking fluoxetine tablets can cause mild pupillary dilation, which in susceptible individuals, for angle-closure glaucoma. Patients may wish to be examined to determine whether they are susceptible to angle-closure we a prophylactic procedure (e.g., iridectomy), if they are susceptible [see Warnings and Precautions (5.13)].

> Patients should be advised to inform their physician if they are taking or plan to take, any prescription medication, including Symbyax®, Sarafem® or over-the-counter drugs, including herbal supplements or alcohol. Patients should also be advised to inform their physicians if they plan to discontinue any medications they are taking while on fluoxetine. 17.11 Discontinuation of Treatment

Patients should be advised to take fluoxetine exactly as prescribed, and to continue taking fluoxetine as prescribed even after their symptoms improve. Patients should be advised that they should not alter their dosing regimen, or stop taking fluoxetine without consulting their physician [see Warnings and Precautions (5.15)]. Patients should be advised to consult with their healthcare provider if their symptoms do not improve with fluoxetine. 17.12 Use in Specific Populations

during therapy. Fluoxetine should be used during pregnancy only if the potential benefit justifies the potential risk to the Nursing Mothers: Patients should be advised to notify their physician if they intend to breast-feed an infant during therapy Because fluoxetine is excreted in human milk, nursing while taking fluoxetine is not recommended [see Use in Specific

Pediatric Use: Fluoxetine is approved for use in pediatric patients with MDD and OCD [see Box Warning and Warnings and Precautions (5.1)]. Limited evidence is available concerning the longer term effects of fluoxetine on the development and maturation of children and adolescent patients. Height and weight should be monitored periodically in pediatric patients

receiving fluoxetine [see Warnings and Precautions (5.6) and Use in Specific Populations (8.4)].

MEDICATION GUIDE FLUOXETINE TABLETS. USP (floo ox' e teen)

10 mg and 20 mg

Read the Medication Guide that comes with fluoxetine tablets before you start taking it and each time you get a refill. There may be new information. This Medication Guide does not take the place of talking to your healthcare provider about your medical condition or treatment. Talk with your healthcare provider if there is something you do not understand or want to learn more about.

tablets?

Fluoxetine tablets and other antidepressant medicines may cause serious side effects, including:

1. Suicidal thoughts or actions:

- Fluoxetine tablets and other antidepressant medicines may **increase suicidal thoughts or actions** in some children, teenagers, or young adults within the **first few months of treatment or when the**
- Depression or other serious mental illnesses are the most important causes of suicidal thoughts or actions.
- Watch for these changes and call your healthcare provider right away

• New or sudden changes in mood, behavior, actions, thoughts, or feelings, especially if severe. • Pay particular attention to such changes when fluoxetine tablets

Keep all follow-up visits with your healthcare provider and call between visits if you are worried about symptoms.

Call your healthcare provider right away if you have any of the following worse, or worry you:

attempts to commit suicide

thoughts about suicide or dying

 acting on dangerous impulses acting aggressive or violent

associated with these serious side effects:

 new or worse depression new or worse anxiety or panic attacks

are started or when the dose is changed.

 feeling agitated, restless, angry or irritable trouble sleeping

 an increase in activity or talking more than what is normal for you other unusual changes in behavior or mood Call your healthcare provider right away if you have any of the following symptoms, or call 911 if an emergency. Fluoxetine tablets may be

2. Serotonin Syndrome. This condition can be life threatening and may

• agitation, hallucinations, coma or other changes in mental status

• coordination problems or muscle twitching (overactive reflexes)

racing heartbeat, high or low blood pressure

sweating or fever

nausea, vomiting, or diarrhea

muscle rigidity

 dizziness flushing

seizures 3. Severe allergic reactions:

trouble breathing

 swelling of the face, tongue, eyes or mouth • rash, itchy welts (hives) or blisters, alone or with fever or joint pain

4. Visual problems:

tremor

changes in vision

 swelling or redness in or around the eye Only some people are at risk for these problems. You may want to undergo an eye examination to see if you are at risk and receive

preventative treatment if you are **5. Abnormal bleeding:** Fluoxetine tablets and other antidepressant medicines may increase your risk of bleeding or bruising, especially if you take the blood thinner warfarin (Coumadin®†, Jantoven®†), a nonsteroidal anti-inflammatory drug (NSAIDs, like ibuprofen or naproxen), or

6. Seizures or convulsions

7. Manic episodes:

greatly increased energy

 severe trouble sleeping racing thoughts

 reckless behavior unusually grand ideas excessive happiness or irritability

 talking more or faster than usual 8. Changes in appetite or weight. Children and adolescents should have

height and weight monitored during treatment. luoxetine may impair judgment, thinking or motor skills. Patients should be advised to avoid driving a car or operating

9. Low salt (sodium) levels in the blood. Elderly people may be at greater risk for this. Symptoms may include:

headache

weakness or feeling unsteady

 confusion, problems concentrating or thinking or memory problems 10. Changes in the electrical activity of your heart (QT prolongation and ventricular arrhythmia including Torsades de Pointes). This condition can be life threatening. The symptoms may include:

fast, slow, or irregular heartbeat

shortness of breath

 dizziness or fainting Do not stop fluoxetine tablets without first talking to your healthcare Pregnancy: Patients should be advised to notify their physician if they become pregnant or intend to become pregnant provider. Stopping fluoxetine tablets too quickly may cause serious

symptoms including anxiety, irritability, high or low mood, feeling restless or changes in

sleep habits headache, sweating, nausea, dizziness

electric shock-like sensations, shaking, confusion

important to talk with your healthcare provider about the risks of treating Common possible side effects in people who take fluoxetine tablets depression and also the risks of not treating it. You should discuss all include:

treatment choices with your healthcare provider.

Fluoxetine tablets are used to treat:

Major Depressive Disorder (MDD)

 Obsessive Compulsive Disorder (OCD) Bulimia Nervosa*

What are fluoxetine tablets?

 Panic Disorder* Depressive episodes associated with Bipolar I Disorder, taken with olanzapine (Zyprexa)*

*Not approved for use in children

Talk to your healthcare provider if you do not think that your condition is

getting better with fluoxetine tablets treatment.

Who should not take fluoxetine tablets Do not take fluoxetine tablets if you:

• are allergic to fluoxetine hydrochloride or any of the ingredients • rash in fluoxetine tablets. See the end of this Medication Guide for a complete list of ingredients in fluoxetine tablets.

• take a Monoamine Oxidase Inhibitor (MAOI). Ask your healthcare provider or pharmacist if you are not sure if you take an MAOI, including the antibiotic linezolid.

O Do not take an MAOI within 5 weeks of stopping fluoxetine tablets • urinating more often unless directed to do so by your physician.

O Do not start fluoxetine tablets if you stopped taking an MAOI in the opossible slowed growth rate and weight change. Your child's height and last 2 weeks unless directed to do so by your physician. People who take fluoxetine tablets close in time to an MAOI may have

serious or even life threatening side effects. Get medical help right away if you have any of these symptoms:

 high fever uncontrolled muscle spasms

 stiff muscles rapid changes in heart rate or blood pressure

rhythm problems or sudden death.

confusion loss of consciousness (pass out) • take Mellaril^{®†} (thioridazine). Do not take Mellaril^{®†} within 5 weeks of stopping fluoxetine tablets because this can cause serious heart

• take the antipsychotic medicine pimozide (Orap®†) because this can cause serious heart problems. What should I tell my healthcare provider before taking fluoxetine

tablets? Ask if you are not sure. Before starting fluoxetine tablets, tell your healthcare provider if you:

 Are taking certain drugs or treatments such as: Triptans used to treat migraine headache

disorders, including tricyclics, lithium, buspirone, SSRIs, SNRIs, MAOI's or antipsychotics Tramadol and fentanyl

Medicines used to treat mood, anxiety, psychotic or thought

Over-the-counter supplements such as tryptophan or St. John's Wort

Electroconvulsive therapy (ECT)

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 • are pregnant or plan to become pregnant. It is not known if fluoxetine will harm your unborn baby. Talk to your healthcare provider about the benefits and risks of treating depression during pregnancy.

• are breast-feeding or plan to breast-feed. Some fluoxetine may pass into your breast milk. Talk to your healthcare provider about the best way to feed your baby while taking fluoxetine tablets.

Tell your healthcare provider about all the medicines that you take, including prescription and non-prescription medicines, vitamins and herbal supplements. Fluoxetine tablets and some medicines may interact

with each other, may not work as well, or may cause serious side effects. Your healthcare provider or pharmacist can tell you if it is safe to take fluoxetine tablets with your other medicines. Do not start or stop any medicine while taking fluoxetine tablets without talking to your healthcare

If you take fluoxetine tablets, you should not take any other medicines

that contain fluoxetine hydrochloride including:

 Symbyax®: Sarafem®†

Prozac Weekly®†

How should I take fluoxetine tablets? • Take fluoxetine tablets exactly as prescribed. Your healthcare provider may need to change the dose of fluoxetine tablets until it is the right dose for you.

Fluoxetine tablets may be taken with or without food.

 If you miss a dose of fluoxetine tablets, take the missed dose as soon as you remember. If it is almost time for the next dose, skip the missed dose and take your next dose at the regular time. Do not take two doses of fluoxetine tablets at the same time.

• If you take too much fluoxetine tablets, call your healthcare provider or

poison control center right away, or get emergency treatment.

What should I avoid while taking fluoxetine tablets? Fluoxetine tablets can cause sleepiness or may affect your ability to make decisions, think clearly, or react quickly. You should not drive, operate heavy machinery or do other dangerous activities until you know how fluoxetine tablets affect you. Do not drink alcohol while using fluoxetine

What are the possible side effects of fluoxetine tablets?

Fluoxetine tablets may cause serious side effects, including:

• See "What is the most important information I should know about fluoxetine tablets?' • Problems with blood sugar control. People who have diabetes and take fluoxetine tablets may have problems with low blood sugar while taking

fluoxetine tablets. High blood sugar can happen when fluoxetine tablets

are stopped. Your healthcare provider may need to change the dose of

your diabetes medicines when you start or stop taking fluoxetine tablets. Fluoxetine tablets are a prescription medicine used to treat depression. It is • Feeling anxious or trouble sleeping

unusual dreams

loss of appetite, diarrhea, indigestion, nausea or vomiting, weakness,

or dry mouth

 flu symptoms • feeling tired or fatigued

change in sleep habits

 sinus infection or sore throat tremor or shaking

 sweating feeling anxious or nervous

Other side effects in children and adolescents include: abnormal increase in muscle movement or agitation

heavy menstrual periods

Tell your healthcare provider if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of fluoxetine tablets. For more information, ask your healthcare provider or

weight should be monitored during treatment with fluoxetine tablets.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

 Keep fluoxetine tablets away from light. Keep fluoxetine tablets bottle closed tightly.

Inc. at 1-877-446-3769 (1-877-4-INFO-RX).

• Store fluoxetine tablets at 20° to 25°C (68° to 77°F).

even if they have the same condition. It may harm them.

How should I store fluoxetine tablets?

General information about fluoxetine tablets Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use fluoxetine tablets for a condition for which it was not prescribed. Do not give fluoxetine tablets to other people,

Keep fluoxetine tablets and all medicines out of the reach of children.

This Medication Guide summarizes the most important information about fluoxetine tablets. If you would like more information, talk with your healthcare provider. You may ask your healthcare provider or pharmacist for information about fluoxetine tablets that is written for healthcare

For more information about fluoxetine tablets, call Mylan Pharmaceuticals

What are the ingredients in fluoxetine tablets, USP?

Active ingredients: fluoxetine hydrochloride, USP

Inactive ingredients: crospovidone, hypromellose, magnesium stearate, maize (corn) starch, microcrystalline cellulose, polyethylene glycol, silica colloidal anhydrous, and titanium dioxide.

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

†The brands listed are trademarks of their respective owners.



Manufactured for: Mylan Pharmaceuticals Inc. Morgantown, WV 26505 U.S.A

Manufactured in Australia by: ALPHAPHARM PTY LTD 15 Garnet Street Carole Park QLD 4300 Australia

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MEDICATION GUIDE FLUOXETINE TABLETS, USP

(floo ox' e teen) 10 mg and 20 mg

Read the Medication Guide that comes with fluoxetine tablets before you start taking it and each time you get a refill. There may be new information. This Medication Guide does not take the place of talking to your healthcare provider about your medical condition or treatment. Talk with your healthcare provider if there is something you do not understand or want to learn more about.

What is the most important information I should know about fluoxetine tablets?

Fluoxetine tablets and other antidepressant medicines may cause serious side effects, including:

- 1. Suicidal thoughts or actions:
 - Fluoxetine tablets and other antidepressant medicines may increase suicidal thoughts
 or actions in some children, teenagers, or young adults within the first few months of
 treatment or when the dose is changed.
 - Depression or other serious mental illnesses are the most important causes of suicidal thoughts or actions.
 - Watch for these changes and call your healthcare provider right away if you notice:
 - New or sudden changes in mood, behavior, actions, thoughts, or feelings, especially if severe.
 - Pay particular attention to such changes when fluoxetine tablets are started or when the dose is changed.

Keep all follow-up visits with your healthcare provider and call between visits if you are worried about symptoms.

Call your healthcare provider right away if you have any of the following symptoms, or call 911 if an emergency, especially if they are new, worse, or worry you:

- attempts to commit suicide
- acting on dangerous impulses
- · acting aggressive or violent
- · thoughts about suicide or dying
- new or worse depression
- new or worse anxiety or panic attacks
- feeling agitated, restless, angry or irritable
- · trouble sleeping
- an increase in activity or talking more than what is normal for you
- other unusual changes in behavior or mood

Call your healthcare provider right away if you have any of the following symptoms, or call 911 if an emergency. Fluoxetine tablets may be associated with these serious side effects:

2. Serotonin Syndrome. This condition can be life threatening and may include:

- agitation, hallucinations, coma or other changes in mental status
- coordination problems or muscle twitching (overactive reflexes)
- · racing heartbeat, high or low blood pressure
- sweating or fever
- nausea, vomiting, or diarrhea
- muscle rigidity
- dizziness
- flushing
- tremor
- seizures

3. Severe allergic reactions:

- trouble breathing
- swelling of the face, tongue, eyes or mouth
- · rash, itchy welts (hives) or blisters, alone or with fever or joint pain

4. Visual problems:

- eye pain
- changes in vision
- swelling or redness in or around the eye

Only some people are at risk for these problems. You may want to undergo an eye examination to see if you are at risk and receive preventative treatment if you are.

5. Abnormal bleeding: Fluoxetine tablets and other antidepressant medicines may increase your risk of bleeding or bruising, especially if you take the blood thinner warfarin (Coumadin^{®†}, Jantoven^{®†}), a non-steroidal anti-inflammatory drug (NSAIDs, like ibuprofen or naproxen), or aspirin.

6. Seizures or convulsions

7. Manic episodes:

- greatly increased energy
- severe trouble sleeping
- · racing thoughts
- reckless behavior
- unusually grand ideas
- excessive happiness or irritability
- talking more or faster than usual
- Changes in appetite or weight. Children and adolescents should have height and weight monitored during treatment.
- **9. Low salt (sodium) levels in the blood.** Elderly people may be at greater risk for this. Symptoms may include:
 - headache
 - weakness or feeling unsteady
 - confusion, problems concentrating or thinking or memory problems
- 10. Changes in the electrical activity of your heart (QT prolongation and ventricular arrhythmia including Torsades de Pointes). This condition can be life threatening. The symptoms may include:
 - · fast, slow, or irregular heartbeat
 - shortness of breath
 - dizziness or fainting

Do not stop fluoxetine tablets without first talking to your healthcare provider. Stopping fluoxetine tablets too quickly may cause serious symptoms including:

- anxiety, irritability, high or low mood, feeling restless or changes in sleep habits
- headache, sweating, nausea, dizziness
- electric shock-like sensations, shaking, confusion

What are fluoxetine tablets?

Fluoxetine tablets are a prescription medicine used to treat depression. It is important to talk with your healthcare provider about the risks of treating depression and also the risks of not treating it. You should discuss all treatment choices with your healthcare provider.

Fluoxetine tablets are used to treat:

- Major Depressive Disorder (MDD)
- Obsessive Compulsive Disorder (OCD)
- Bulimia Nervosa*
- Panic Disorder*
- Depressive episodes associated with Bipolar I Disorder, taken with olanzapine (Zyprexa)*

*Not approved for use in children

Talk to your healthcare provider if you do not think that your condition is getting better with fluoxetine tablets treatment.

Who should not take fluoxetine tablets?

Do not take fluoxetine tablets if you:

- are allergic to fluoxetine hydrochloride or any of the ingredients in fluoxetine tablets. See the end of this Medication Guide for a complete list of ingredients in fluoxetine tablets.
- take a Monoamine Oxidase Inhibitor (MAOI). Ask your healthcare provider or pharmacist if you are not sure if you take an MAOI, including the antibiotic linezolid.
 - Do not take an MAOI within 5 weeks of stopping fluoxetine tablets unless directed to do so by your physician.
 - Do not start fluoxetine tablets if you stopped taking an MAOI in the last 2 weeks unless directed to do so by your physician.

People who take fluoxetine tablets close in time to an MAOI may have serious or even life threatening side effects. Get medical help right away if you have any of these symptoms:

- high fever
- uncontrolled muscle spasms
- stiff muscles
- · rapid changes in heart rate or blood pressure
- confusion

- loss of consciousness (pass out)
- take Mellaril^{®†} (thioridazine). Do not take Mellaril^{®†} within 5 weeks of stopping fluoxetine tablets because this can cause serious heart rhythm problems or sudden death.
- take the antipsychotic medicine pimozide (Orap^{®†}) because this can cause serious heart problems.

What should I tell my healthcare provider before taking fluoxetine tablets? Ask if you are not sure.

Before starting fluoxetine tablets, tell your healthcare provider if you:

- Are taking certain drugs or treatments such as:
 - Triptans used to treat migraine headache
 - Medicines used to treat mood, anxiety, psychotic or thought disorders, including tricyclics, lithium, buspirone, SSRIs, SNRIs, MAOI's or antipsychotics
 - Tramadol and fentanyl
 - Over-the-counter supplements such as tryptophan or St. John's Wort
- Electroconvulsive therapy (ECT)
- · 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
- are pregnant or plan to become pregnant. It is not known if fluoxetine will harm your unborn baby. Talk to your healthcare provider about the benefits and risks of treating depression during pregnancy.
- are breast-feeding or plan to breast-feed. Some fluoxetine may pass into your breast milk.
 Talk to your healthcare provider about the best way to feed your baby while taking fluoxetine tablets.

Tell your healthcare provider about all the medicines that you take, including prescription and non-prescription medicines, vitamins and herbal supplements. Fluoxetine tablets and some medicines may interact with each other, may not work as well, or may cause serious side effects. Your healthcare provider or pharmacist can tell you if it is safe to take fluoxetine tablets with your other medicines. Do not start or stop any medicine while taking fluoxetine tablets without talking to your healthcare provider first.

If you take fluoxetine tablets, you should not take any other medicines that contain fluoxetine hydrochloride including:

- Symbyax®[†]
- Sarafem®†
- Prozac Weekly^{®†}

How should I take fluoxetine tablets?

- Take fluoxetine tablets exactly as prescribed. Your healthcare provider may need to change the dose of fluoxetine tablets until it is the right dose for you.
- Fluoxetine tablets may be taken with or without food.
- If you miss a dose of fluoxetine tablets, take the missed dose as soon as you remember. If it
 is almost time for the next dose, skip the missed dose and take your next dose at the regular
 time. Do not take two doses of fluoxetine tablets at the same time.
- If you take too much fluoxetine tablets, call your healthcare provider or poison control center right away, or get emergency treatment.

What should I avoid while taking fluoxetine tablets?

Fluoxetine tablets can cause sleepiness or may affect your ability to make decisions, think clearly, or react quickly. You should not drive, operate heavy machinery or do other dangerous activities until you know how fluoxetine tablets affect you. Do not drink alcohol while using fluoxetine tablets.

What are the possible side effects of fluoxetine tablets?

Fluoxetine tablets may cause serious side effects, including:

- See "What is the most important information I should know about fluoxetine tablets?"
- Problems with blood sugar control. People who have diabetes and take fluoxetine tablets
 may have problems with low blood sugar while taking fluoxetine tablets. High blood sugar can
 happen when fluoxetine tablets are stopped. Your healthcare provider may need to change the
 dose of your diabetes medicines when you start or stop taking fluoxetine tablets.
- Feeling anxious or trouble sleeping

Common possible side effects in people who take fluoxetine tablets include:

- unusual dreams
- sexual problems
- loss of appetite, diarrhea, indigestion, nausea or vomiting, weakness, or dry mouth

- flu symptoms
- feeling tired or fatigued
- · change in sleep habits
- yawning
- sinus infection or sore throat
- tremor or shaking
- sweating
- feeling anxious or nervous
- hot flashes
- rash

Other side effects in children and adolescents include:

- increased thirst
- abnormal increase in muscle movement or agitation
- nose bleed
- urinating more often
- heavy menstrual periods
- possible slowed growth rate and weight change. Your child's height and weight should be monitored during treatment with fluoxetine tablets.

Tell your healthcare provider if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of fluoxetine tablets. For more information, ask your healthcare provider or pharmacist.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store fluoxetine tablets?

- Store fluoxetine tablets at 20° to 25°C (68° to 77°F).
- Keep fluoxetine tablets away from light.
- Keep fluoxetine tablets bottle closed tightly.

Keep fluoxetine tablets and all medicines out of the reach of children.

General information about fluoxetine tablets

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use fluoxetine tablets for a condition for which it was not prescribed. Do not give fluoxetine tablets to other people, even if they have the same condition. It may harm them.

This Medication Guide summarizes the most important information about fluoxetine tablets. If you would like more information, talk with your healthcare provider. You may ask your healthcare provider or pharmacist for information about fluoxetine tablets that is written for healthcare professionals.

For more information about fluoxetine tablets, call Mylan Pharmaceuticals Inc. at 1-877-446-3769 (1-877-4-INFO-RX).

What are the ingredients in fluoxetine tablets, USP?

Active ingredients: fluoxetine hydrochloride, USP

Inactive ingredients: crospovidone, hypromellose, magnesium stearate, maize (corn) starch, microcrystalline cellulose, polyethylene glycol, silica colloidal anhydrous, and titanium dioxide. This Medication Guide has been approved by the U.S. Food and Drug Administration.

†The brands listed are trademarks of their respective owners.



Manufactured for: **Mylan Pharmaceuticals Inc.** Morgantown, WV 26505 U.S.A.

Manufactured in Australia by: ALPHAPHARM PTY LTD

15 Garnet Street Carole Park QLD 4300 Australia

> REVISED AUGUST 2014 ALP:MG:FLUTT:R6mh



ALPMGFLUTTR6mh

MEDICATION GUIDE FLUOXETINE TABLETS. USP (floo ox' e teen) 10 mg and 20 mg

Read the Medication Guide that comes with fluoxetine tablets 7. Manic episodes: before you start taking it and each time you get a refill. There may be new information. This Medication Guide does not take the place of talking to your healthcare provider about your medical condition or treatment. Talk with your healthcare provider if there is something you do not understand or want

What is the most important information I should know about fluoxetine tablets?

Fluoxetine tablets and other antidepressant medicines may cause serious side effects, including:

1. Suicidal thoughts or actions:

- Fluoxetine tablets and other antidepressant medicines may increase suicidal thoughts or actions in some children, teenagers, or young adults within the first few months of treatment or when the dose is changed.
- Depression or other serious mental illnesses are the most important causes of suicidal thoughts or actions.
- · Watch for these changes and call your healthcare provider
- right away if you notice: • New or sudden changes in mood, behavior, actions, thoughts, or feelings, especially if severe.
- Pay particular attention to such changes when fluoxetine

tablets are started or when the dose is changed. Keep all follow-up visits with your healthcare provider and call between visits if you are worried about symptoms.

Call vour healthcare provider right away if you have any of the following symptoms, or call 911 if an emergency, especially if they are new, worse, or worry you:

- attempts to commit suicide
- acting on dangerous impulses
- acting aggressive or violent
- thoughts about suicide or dving new or worse depression
- new or worse anxiety or panic attacks feeling agitated, restless, angry or irritable
- trouble sleeping
- an increase in activity or talking more than what is normal for you
- other unusual changes in behavior or mood

Call your healthcare provider right away if you have any of the following symptoms, or call 911 if an emergency. Fluoxetine tablets may be associated with these serious side effects:

2. Serotonin Syndrome. This condition can be life threatening and may include:

- agitation, hallucinations, coma or other changes in mental status
- coordination problems or muscle twitching (overactive reflexes)
- racing heartbeat, high or low blood pressure
- sweating or fever
- nausea, vomiting, or diarrhea
- muscle rigidity
- dizziness
- flushing
- tremor seizures

3. Severe allergic reactions:

- trouble breathing
- swelling of the face, tongue, eyes or mouth
- rash, itchy welts (hives) or blisters, alone or with fever or ioint pain

4. Visual problems:

- eye pain
- changes in vision
- swelling or redness in or around the eve

Only some people are at risk for these problems. You may want to undergo an eye examination to see if you are at risk and receive preventative treatment if you are.

- 5. Abnormal bleeding: Fluoxetine tablets and other antidepressant medicines may increase your risk of bleeding or bruising. especially if you take the blood thinner warfarin (Coumadin^{®†}, Jantoven^{®†}), a non-steroidal anti-inflammatory drug (NSAIDs, like ibuprofen or naproxen), or aspirin.
- 6. Seizures or convulsions

- greatly increased energy
- severe trouble sleeping racing thoughts
- reckless behavior
- unusually grand ideas
- excessive happiness or irritability
- talking more or faster than usual
- **8. Changes in appetite or weight**. Children and adolescents should have height and weight monitored during treatment.
- **9. Low salt (sodium) levels in the blood.** Elderly people may be at greater risk for this. Symptoms may include:
- headache
- weakness or feeling unsteady
- confusion, problems concentrating or thinking or memory problems
- 10. Changes in the electrical activity of your heart (QT prolongation and ventricular arrhythmia including Torsades de Pointes). This condition can be life threatening. The symptoms may include:
- fast, slow, or irregular heartbeat
- shortness of breath
- dizziness or fainting

Do not stop fluoxetine tablets without first talking to your of healthcare provider. Stopping fluoxetine tablets too quickly $\stackrel{>}{\sim}$ may cause serious symptoms including:

- anxiety, irritability, high or low mood, feeling restless or changes in sleep habits
- headache, sweating, nausea, dizziness
- electric shock-like sensations, shaking, confusion

What are fluoxetine tablets?

Fluoxetine tablets are a prescription medicine used to treat \supseteq depression. It is important to talk with your healthcare provider about the risks of treating depression and also the risks of not $\frac{Z}{C}$ treating it. You should discuss all treatment choices with your healthcare provider.

Fluoxetine tablets are used to treat:

- Major Depressive Disorder (MDD)
- Obsessive Compulsive Disorder (OCD)
- Bulimia Nervosa*
- Panic Disorder*
- Depressive episodes associated with Bipolar I Disorder, taken with olanzapine (Zyprexa)*

*Not approved for use in children

Talk to your healthcare provider if you do not think that your

condition is getting better with fluoxetine tablets treatment.

Who should not take fluoxetine tablets?

Do not take fluoxetine tablets if you:

- are allergic to fluoxetine hydrochloride or any of the ingredients in fluoxetine tablets. See the end of this $\stackrel{\blacktriangleleft}{\pm}$ Medication Guide for a complete list of ingredients in fluoxetine tablets
- take a Monoamine Oxidase Inhibitor (MAOI). Ask your healthcare provider or pharmacist if you are not sure if you take an MAOI, including the antibiotic linezolid.
- O Do not take an MAOI within 5 weeks of stopping fluoxetine tablets unless directed to do so by your
- O Do not start fluoxetine tablets if you stopped taking an MAOI in the last 2 weeks unless directed to do so by your physician.

People who take fluoxetine tablets close in time to an MAOI may have serious or even life threatening side effects. Get medical help right away if you have any of these symptoms:

- high fever
- uncontrolled muscle spasms
- stiff muscles
- rapid changes in heart rate or blood pressure
- confusion
- loss of consciousness (pass out)
- take Mellaril®† (thioridazine). Do not take Mellaril®† within 5 weeks of stopping fluoxetine tablets because this can cause serious heart rhythm problems or sudden death.
- take the antipsychotic medicine pimozide (Orap^{®†}) because this can cause serious heart problems.

MEDICATION GUIDE (floo ox' e teen)

Read the Medication Guide that comes with fluoxetine tablets 7. Manic episodes: before you start taking it and each time you get a refill. There may be new information. This Medication Guide does not take the place of talking to your healthcare provider about your medical condition or treatment. Talk with your healthcare provider if there is something you do not understand or want to learn more about.

What is the most important information I should know about fluoxetine tablets?

Fluoxetine tablets and other antidepressant medicines may cause serious side effects, including:

1. Suicidal thoughts or actions:

- Fluoxetine tablets and other antidepressant medicines may increase suicidal thoughts or actions in some children, teenagers, or young adults within the first few months of treatment or when the dose is changed.
- Depression or other serious mental illnesses are the most important causes of suicidal thoughts or actions.
- · Watch for these changes and call your healthcare provider right away if you notice: O New or sudden changes in mood, behavior, actions,
- thoughts, or feelings, especially if severe. • Pay particular attention to such changes when fluoxetine

tablets are started or when the dose is changed. Keep all follow-up visits with your healthcare provider and call between visits if you are worried about symptoms.

Call your healthcare provider right away if you have any of the following symptoms, or call 911 if an emergency, especially if they are new, worse, or worry you:

- attempts to commit suicide
- acting on dangerous impulses
- acting aggressive or violent
- thoughts about suicide or dving
- new or worse depression
- new or worse anxiety or panic attacks • feeling agitated, restless, angry or irritable
- trouble sleeping
- an increase in activity or talking more than what is normal for you
- other unusual changes in behavior or mood

Call your healthcare provider right away if you have any of the following symptoms, or call 911 if an emergency. Fluoxetine tablets may be associated with these serious side effects:

2. Serotonin Syndrome. This condition can be life threatening and may include:

- agitation, hallucinations, coma or other changes in mental status
- coordination problems or muscle twitching (overactive reflexes)
- racing heartbeat, high or low blood pressure
- · sweating or fever
- nausea, vomiting, or diarrhea · muscle rigidity
- dizziness
- flushing
- tremor seizures

3. Severe allergic reactions:

- trouble breathing
- swelling of the face, tongue, eyes or mouth rash, itchy welts (hives) or blisters, alone or with fever or
- 4. Visual problems:

ioint pain

- eye pain changes in vision
- swelling or redness in or around the eve Only some people are at risk for these problems. You may want to undergo an eye examination to see if you are at risk

and receive preventative treatment if you are.

- 5. Abnormal bleeding: Fluoxetine tablets and other antidepressant medicines may increase your risk of bleeding or bruising, especially if you take the blood thinner warfarin (Coumadin^{®†}, Jantoven^{®†}), a non-steroidal anti-inflammatory drug (NSAIDs, like ibuprofen or naproxen), or aspirin.
- 6. Seizures or convulsions

FLUOXETINE TABLETS. USP 10 mg and 20 mg

greatly increased energy

- severe trouble sleeping racing thoughts
- reckless behavior
- unusually grand ideas
- excessive happiness or irritability
- talking more or faster than usual 8. Changes in appetite or weight. Children and adolescents
- should have height and weight monitored during treatment. **9. Low salt (sodium) levels in the blood.** Elderly people may be at greater risk for this. Symptoms may include:
- headache weakness or feeling unsteady
- confusion, problems concentrating or thinking or memory

10. Changes in the electrical activity of your heart (QT prolongation and ventricular arrhythmia including Torsades de Pointes). This condition can be life threatening. The ⊨ symptoms may include:

- fast, slow, or irregular heartbeat
- shortness of breath
- dizziness or fainting

Do not stop fluoxetine tablets without first talking to your $\overline{\circlearrowleft}$ healthcare provider. Stopping fluoxetine tablets too quickly may cause serious symptoms including:

- anxiety, irritability, high or low mood, feeling restless or changes in sleep habits
- headache, sweating, nausea, dizziness
- electric shock-like sensations, shaking, confusion

What are fluoxetine tablets?

Fluoxetine tablets are a prescription medicine used to treat \supseteq depression. It is important to talk with your healthcare provider about the risks of treating depression and also the risks of not treating it. You should discuss all treatment choices with your healthcare provider.

- Fluoxetine tablets are used to treat:
- Major Depressive Disorder (MDD) • Obsessive Compulsive Disorder (OCD)
- Bulimia Nervosa*
- Panic Disorder*
- Depressive episodes associated with Bipolar I Disorder, taken with olanzapine (Zyprexa)*

*Not approved for use in children

Talk to your healthcare provider if you do not think that your condition is getting better with fluoxetine tablets treatment.

Who should not take fluoxetine tablets? Do not take fluoxetine tablets if you: • are allergic to fluoxetine hydrochloride or any of the ingredients in fluoxetine tablets. See the end of this $\stackrel{\triangleleft}{\pm}$ Medication Guide for a complete list of ingredients in

- fluoxetine tablets • take a Monoamine Oxidase Inhibitor (MAOI). Ask your healthcare provider or pharmacist if you are not sure if
- you take an MAOI, including the antibiotic linezolid. O Do not take an MAOI within 5 weeks of stopping fluoxetine tablets unless directed to do so by your

MAOI in the last 2 weeks unless directed to do so by your nhysician. People who take fluoxetine tablets close in time to an MAOI may have serious or even life threatening side effects. Get

O Do not start fluoxetine tablets if you stopped taking an

- medical help right away if you have any of these symptoms: high fever
- uncontrolled muscle spasms
- stiff muscles • rapid changes in heart rate or blood pressure
- confusion • loss of consciousness (pass out) • take Mellaril®† (thioridazine). Do not take Mellaril®†

within 5 weeks of stopping fluoxetine tablets because this

can cause serious heart rhythm problems or sudden death. take the antipsychotic medicine pimozide (Orap^{®†}) because this can cause serious heart problems.

MEDICATION GUIDE FLUOXETINE TABLETS. USP (floo ox' e teen) 10 mg and 20 mg

Read the Medication Guide that comes with fluoxetine tablets 7. Manic episodes: before you start taking it and each time you get a refill. There may be new information. This Medication Guide does not take the place of talking to your healthcare provider about your medical condition or treatment. Talk with your healthcare provider if there is something you do not understand or want to learn more about.

What is the most important information I should know about fluoxetine tablets?

Fluoxetine tablets and other antidepressant medicines may cause serious side effects, including:

1. Suicidal thoughts or actions:

- Fluoxetine tablets and other antidepressant medicines may increase suicidal thoughts or actions in some children, teenagers, or young adults within the first few months of treatment or when the dose is changed.
- Depression or other serious mental illnesses are the most
- important causes of suicidal thoughts or actions. • Watch for these changes and call your healthcare provider right away if you notice:
- New or sudden changes in mood, behavior, actions, thoughts, or feelings, especially if severe.

• Pay particular attention to such changes when fluoxetine tablets are started or when the dose is changed.

between visits if you are worried about symptoms. Call your healthcare provider right away if you have any of the following symptoms, or call 911 if an emergency, especially if they are new, worse, or worry you:

- attempts to commit suicide
- acting on dangerous impulses • acting aggressive or violent

thoughts about suicide or dving

- new or worse depression
- new or worse anxiety or panic attacks • feeling agitated, restless, angry or irritable
- trouble sleeping • an increase in activity or talking more than what is

normal for you other unusual changes in behavior or mood Call your healthcare provider right away if you have any of the following symptoms, or call 911 if an emergency. Fluoxetine

tablets may be associated with these serious side effects: 2. Serotonin Syndrome. This condition can be life threatening

- agitation, hallucinations, coma or other changes in mental status
- coordination problems or muscle twitching (overactive reflexes) • racing heartbeat, high or low blood pressure
- sweating or fever nausea, vomiting, or diarrhea

and may include:

- muscle rigidity dizziness
- flushing tremor
- seizures
- 3. Severe allergic reactions: trouble breathing
- swelling of the face, tongue, eyes or mouth • rash, itchy welts (hives) or blisters, alone or with fever or
- ioint pair 4. Visual problems:
- eye pain changes in vision
- swelling or redness in or around the eve Only some people are at risk for these problems. You may
- and receive preventative treatment if you are. 5. Abnormal bleeding: Fluoxetine tablets and other antidepressant medicines may increase your risk of bleeding or bruising. especially if you take the blood thinner warfarin (Coumadin^{®†}, Jantoven^{®†}), a non-steroidal anti-inflammatory drug (NSAIDs, like ibuprofen or naproxen), or aspirin.

want to undergo an eye examination to see if you are at risk

6. Seizures or convulsions

- excessive happiness or irritability
- talking more or faster than usual 8. Changes in appetite or weight. Children and adolescents
- should have height and weight monitored during treatment. **9. Low salt (sodium) levels in the blood.** Elderly people may
- headache
- confusion, problems concentrating or thinking or memory

10. Changes in the electrical activity of your heart (QT prolongation and ventricular arrhythmia including Torsades de Pointes). This condition can be life threatening. The

- shortness of breath
- dizziness or fainting

Do not stop fluoxetine tablets without first talking to your Keen all follow-up visits with your healthcare provider and call healthcare provider. Stopping fluoxetine tablets too quickly

- anxiety, irritability, high or low mood, feeling restless or changes in sleep habits
- headache, sweating, nausea, dizziness

What are fluoxetine tablets? Fluoxetine tablets are a prescription medicine used to treat depression. It is important to talk with your healthcare provider about the risks of treating depression and also the risks of not

- Fluoxetine tablets are used to treat: Major Depressive Disorder (MDD)
- Bulimia Nervosa*

• Depressive episodes associated with Bipolar I Disorder, taken with olanzapine (Zyprexa)*

*Not approved for use in children Talk to your healthcare provider if you do not think that your

- Do not take fluoxetine tablets if you: • are allergic to fluoxetine hydrochloride or any of the ingredients in fluoxetine tablets. See the end of this Medication Guide for a complete list of ingredients in
- you take an MAOI, including the antibiotic linezolid. O Do not take an MAOI within 5 weeks of stopping

O Do not start fluoxetine tablets if you stopped taking an MAOI in the last 2 weeks unless directed to do so by your nhysician.

fluoxetine tablets unless directed to do so by your

- People who take fluoxetine tablets close in time to an MAOI may have serious or even life threatening side effects. Get medical help right away if you have any of these symptoms:
- uncontrolled muscle spasms stiff muscles

high fever

• rapid changes in heart rate or blood pressure confusion

• loss of consciousness (pass out)

- take Mellaril®† (thioridazine). Do not take Mellaril®† within 5 weeks of stopping fluoxetine tablets because this can cause serious heart rhythm problems or sudden death.
- take the antipsychotic medicine pimozide (Orap^{®†}) because this can cause serious heart problems.

- greatly increased energy severe trouble sleeping racing thoughts reckless behavior unusually grand ideas
 - be at greater risk for this. Symptoms may include:
 - weakness or feeling unsteady
 - symptoms may include:
 - fast, slow, or irregular heartbeat
 - may cause serious symptoms including:

• electric shock-like sensations, shaking, confusion

treating it. You should discuss all treatment choices with your

healthcare provider.

- Obsessive Compulsive Disorder (OCD)
- Panic Disorder*

condition is getting better with fluoxetine tablets treatment.

- Who should not take fluoxetine tablets?
- fluoxetine tablets • take a Monoamine Oxidase Inhibitor (MAOI). Ask your healthcare provider or pharmacist if you are not sure if

What should I tell my healthcare provider before taking fluoxetine tablets? Ask if you are not sure.

Before starting fluoxetine tablets, tell your healthcare provider

- Are taking certain drugs or treatments such as:
- Triptans used to treat migraine headache
- Medicines used to treat mood, anxiety, psychotic or thought disorders, including tricyclics, lithium, • sweating buspirone, SSRIs, SNRIs, MAOI's or antipsychotics
- Tramadol and fentanyl
- Over-the-counter supplements such as tryptophan or St. John's Wort
- Electroconvulsive therapy (ECT)
- 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
- are pregnant or plan to become pregnant. It is not known if fluoxetine will harm your unborn baby. Talk to your healthcare provider about the benefits and risks of treating depression during pregnancy.
- are breast-feeding or plan to breast-feed. Some fluoxetine may pass into your breast milk. Talk to your healthcare provider about the best way to feed your baby while taking fluoxetine tablets.

Tell your healthcare provider about all the medicines that you take, including prescription and non-prescription medicines, vitamins and herbal supplements. Fluoxetine tablets and some medicines may interact with each other, may not work as well, or may cause serious side effects.

Your healthcare provider or pharmacist can tell you if it is safe to take fluoxetine tablets with your other medicines. Do not start or stop any medicine while taking fluoxetine tablets without talking to your healthcare provider first.

If you take fluoxetine tablets, you should not take any other medicines that contain fluoxetine hydrochloride including:

- Symbyax®:
- Sarafem®†
- Prozac Weekly^{®†}

How should I take fluoxetine tablets?

- provider may need to change the dose of fluoxetine tablets
 Active ingredients: fluoxetine hydrochloride, USP until it is the right dose for you.
- Fluoxetine tablets may be taken with or without food.
- as soon as you remember. If it is almost time for the next dioxide dose, skip the missed dose and take your next dose at the This Medication Guide has been approved by the U.S. Food and regular time. Do not take two doses of fluoxetine tablets at Drug Administration. the same time.
- If you take too much fluoxetine tablets, call your healthcare. provider or poison control center right away, or get emergency treatment

What should I avoid while taking fluoxetine tablets?

Fluoxetine tablets can cause sleepiness or may affect your ability to make decisions think clearly or react quickly You should not drive, operate heavy machinery or do other dangerous activities until you know how fluoxetine tablets affect you. Do not drink alcohol while using fluoxetine tablets.

What are the possible side effects of fluoxetine tablets?

Fluoxetine tablets may cause serious side effects, including:

- See "What is the most important information I should know about fluoxetine tablets?"
- Problems with blood sugar control. People who have diabetes. and take fluoxetine tablets may have problems with low blood sugar while taking fluoxetine tablets. High blood sugar can happen when fluoxetine tablets are stopped. Your healthcare provider may need to change the dose of your diabetes medicines when you start or stop taking fluoxetine tablets.

• Feeling anxious or trouble sleeping

Common possible side effects in people who take fluoxetine tablets include:

- unusual dreams
- sexual problems
- loss of appetite, diarrhea, indigestion, nausea or vomiting,

weakness, or dry mouth

- flu symptoms
- feeling tired or fatigued
- change in sleep habits
- vawning
- sinus infection or sore throat
- tremor or shaking
- feeling anxious or nervous
- hot flashes rash

Other side effects in children and adolescents include:

- increased thirst
- abnormal increase in muscle movement or agitation
- nose bleed
- urinating more often
- heavy menstrual periods
- possible slowed growth rate and weight change. Your child's height and weight should be monitored during treatment with fluoretine tablets

Tell your healthcare provider if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of fluoxetine tablets. For more information, ask your healthcare provider or pharmacist

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store fluoxetine tablets?

- Store fluoxetine tablets at 20° to 25°C (68° to 77°F).
- Keen fluoxetine tablets away from light
- Keep fluoxetine tablets bottle closed tightly.

Keep fluoxetine tablets and all medicines out of the reach

General information about fluoxetine tablets

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use fluoxetine tablets for a condition for which it was not prescribed. Do not give fluoxetine tablets to other people, even if they have the same condition. It may harm them.

This Medication Guide summarizes the most important information about fluoxetine tablets. If you would like more information, talk with your healthcare provider. You may ask your healthcare provider or pharmacist for information about fluoxetine tablets that is written for healthcare professionals. For more information about fluoxetine tablets, call Mylan Pharmaceuticals Inc. at 1-877-446-3769 (1-877-4-INFO-RX).

• Take fluoxetine tablets exactly as prescribed. Your healthcare What are the ingredients in fluoxetine tablets. USP?

Inactive ingredients: crospovidone, hypromellose, magnesium stearate, maize (corn) starch, microcrystalline cellulose. • If you miss a dose of fluoxetine tablets, take the missed dose polyethylene glycol, silica colloidal anhydrous, and titanium

[†]The brands listed are trademarks of their respective owners.



Manufactured for: Mylan Pharmaceuticals Inc. Morgantown, WV 26505 U.S.A.

Manufactured in Australia by: ALPHAPHARM PTY LTD 15 Garnet Street Carole Park QLD 4300 Australia

> **REVISED AUGUST 2014** ALP:MG:FLUTT:R6mpb 3111/2

What should I tell my healthcare provider before taking fluoxetine tablets? Ask if you are not sure.

Before starting fluoxetine tablets, tell your healthcare provider • feeling tired or fatigued

- Are taking certain drugs or treatments such as:
- Triptans used to treat migraine headache
- Medicines used to treat mood, anxiety, psychotic or tremor or shaking thought disorders, including tricyclics, lithium, • sweating buspirone, SSRIs, SNRIs, MAOI's or antipsychotics
- Tramadol and fentanyl
- Over-the-counter supplements such as tryptophan or St. John's Wort
- Electroconvulsive therapy (ECT)
- 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
- are pregnant or plan to become pregnant. It is not known if fluoxetine will harm your unborn baby. Talk to your healthcare provider about the benefits and risks of treating depression during pregnancy
- are breast-feeding or plan to breast-feed. Some fluoxetine may pass into your breast milk. Talk to your healthcare provider about the best way to feed your baby while taking fluoxetine tablets.

Tell your healthcare provider about all the medicines that you take, including prescription and non-prescription medicines, vitamins and herbal supplements. Fluoxetine tablets and some medicines may interact with each other, may not work as well, or may cause serious side effects.

Your healthcare provider or pharmacist can tell you if it is safe. to take fluoxetine tablets with your other medicines. Do not start or stop any medicine while taking fluoxetine tablets without talking to your healthcare provider first.

If you take fluoxetine tablets, you should not take any other medicines that contain fluoxetine hydrochloride including:

- Symhyax®¹
- Sarafem®†
- Prozac Weekly^{®†}

How should I take fluoxetine tablets?

- Take fluoxetine tablets exactly as prescribed. Your healthcare What are the ingredients in fluoxetine tablets. USP? provider may need to change the dose of fluoxetine tablets until it is the right dose for you.
- Fluoxetine tablets may be taken with or without food.
- If you miss a dose of fluoxetine tablets, take the missed dose polyethylene glycol, silica colloidal anhydrous, and titanium as soon as you remember. If it is almost time for the next dioxide the same time.
- If you take too much fluoxetine tablets, call your healthcare. provider or poison control center right away, or get emergency treatment

What should I avoid while taking fluoxetine tablets?

Fluoxetine tablets can cause sleepiness or may affect your ability to make decisions, think clearly, or react quickly. You should not drive, operate heavy machinery or do other dangerous activities until you know how fluoxetine tablets affect you. Do not drink alcohol while using fluoxetine tablets.

What are the possible side effects of fluoxetine tablets?

Fluoxetine tablets may cause serious side effects, including:

- See "What is the most important information I should know about fluoxetine tablets?"
- **Problems with blood sugar control.** People who have diabetes and take fluoxetine tablets may have problems with low blood sugar while taking fluoxetine tablets. High blood sugar can happen when fluoxetine tablets are stopped. Your healthcare provider may need to change the dose of your diabetes medicines when you start or stop taking fluoxetine tablets.

Feeling anxious or trouble sleeping

Common possible side effects in people who take fluoxetine tablets include:

- unusual dreams
- sexual problems
- loss of appetite, diarrhea, indigestion, nausea or vomiting,

weakness, or dry mouth

- flu symptoms
- change in sleep habits
- yawning sinus infection or sore throat
- - feeling anxious or nervous

rash

- hot flashes
- Other side effects in children and adolescents include:
- increased thirst
- abnormal increase in muscle movement or agitation
- nose bleed
- urinating more often
- heavy menstrual periods
- possible slowed growth rate and weight change. Your child's height and weight should be monitored during treatment with fluoretine tablets

Tell your healthcare provider if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of fluoxetine tablets. For more information, ask your healthcare provider or pharmacist

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store fluoxetine tablets?

- Store fluoxetine tablets at 20° to 25°C (68° to 77°F). • Keep fluoxetine tablets away from light.
- Keep fluoxetine tablets bottle closed tightly.

Keep fluoxetine tablets and all medicines out of the reach of children.

General information about fluoxetine tablets

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use fluoxetine tablets for a condition for which it was not prescribed. Do not give fluoxetine tablets to other people, even if they have the same condition. It may harm them.

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dose, skip the missed dose and take your next dose at the This Medication Guide has been approved by the U.S. Food and

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> **REVISED AUGUST 2014** ALP:MG:FLUTT:R6mpb 3111/2

What should I tell my healthcare provider before taking weakness, or dry mouth fluoxetine tablets? Ask if you are not sure.

Before starting fluoxetine tablets, tell your healthcare provider

- Are taking certain drugs or treatments such as:
- Triptans used to treat migraine headache • Medicines used to treat mood, anxiety, psychotic or • tremor or shaking thought disorders, including tricyclics, lithium, • sweating buspirone, SSRIs, SNRIs, MAOI's or antipsychotics
- Tramadol and fentanyl
- Over-the-counter supplements such as tryptophan or St. John's Wort
- Electroconvulsive therapy (ECT)
- 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 • are pregnant or plan to become pregnant. It is not known if fluoxetine will harm your unborn baby. Talk to your healthcare provider about the benefits and risks of treating depression during pregnancy
- are breast-feeding or plan to breast-feed. Some fluoxetine may pass into your breast milk. Talk to your healthcare provider about the best way to feed your baby while taking . fluoxetine tablets

Tell your healthcare provider about all the medicines that you take, including prescription and non-prescription medicines, vitamins and herbal supplements. Fluoxetine tablets and some of children. medicines may interact with each other, may not work as well, or General information about fluoxetine tablets may cause serious side effects.

or stop any medicine while taking fluoxetine tablets without talking to your healthcare provider first. If you take fluoxetine tablets, you should not take any other

Your healthcare provider or pharmacist can tell you if it is safe

- medicines that contain fluoxetine hydrochloride including: Symbyax®
- Sarafem®† Prozac Weekly^{®†}

How should I take fluoxetine tablets?

- until it is the right dose for you. Fluoxetine tablets may be taken with or without food • If you miss a dose of fluoxetine tablets, take the missed dose polyethylene glycol, silica colloidal anhydrous, and titanium as soon as you remember. If it is almost time for the next dioxide
- the same time. If you take too much fluoxetine tablets, call your healthcare provider or poison control center right away, or get emergency

treatment What should I avoid while taking fluoxetine tablets?

Fluoxetine tablets can cause sleepiness or may affect your ability to make decisions think clearly or react quickly You should not drive, operate heavy machinery or do other dangerous activities until you know how fluoxetine tablets affect you. Do not drink alcohol while using fluoxetine tablets.

What are the possible side effects of fluoxetine tablets?

Fluoxetine tablets may cause serious side effects, including: • See "What is the most important information I should know about fluoxetine tablets?"

• Problems with blood sugar control. People who have diabetes and take fluoxetine tablets may have problems with low blood sugar while taking fluoxetine tablets. High blood sugar can happen when fluoxetine tablets are stopped. Your healthcare provider may need to change the dose of your diabetes medicines when you start or stop taking fluoxetine tablets.

• Feeling anxious or trouble sleeping

Common possible side effects in people who take fluoxetine tablets include:

- unusual dreams
- sexual problems
- loss of appetite, diarrhea, indigestion, nausea or vomiting,

- flu symptoms
- feeling tired or fatigued
- change in sleep habits vawning
- · sinus infection or sore throat
- feeling anxious or nervous
- hot flashes

rash

- Other side effects in children and adolescents include:
- increased thirst
- abnormal increase in muscle movement or agitation
- nose bleed urinating more often
- heavy menstrual periods
- possible slowed growth rate and weight change. Your child's height and weight should be monitored during treatment with fluoxetine tablets

Tell your healthcare provider if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of fluoxetine tablets. For more information, ask your healthcare provider or pharmacist.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store fluoxetine tablets?

• Store fluoxetine tablets at 20° to 25°C (68° to 77°F).

 Keen fluoxetine tablets away from light • Keep fluoxetine tablets bottle closed tightly.

condition. It may harm them.

Keep fluoxetine tablets and all medicines out of the reach

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use fluoxetine tablets to take fluoxetine tablets with your other medicines. Do not start for a condition for which it was not prescribed. Do not give fluoxetine tablets to other people, even if they have the same

> This Medication Guide summarizes the most important information about fluoxetine tablets. If you would like more information, talk with your healthcare provider. You may ask your healthcare provider or pharmacist for information about fluoxetine tablets that is written for healthcare professionals. For more information about fluoxetine tablets, call Mylan

Pharmaceuticals Inc. at 1-877-446-3769 (1-877-4-INFO-RX).

• Take fluoxetine tablets exactly as prescribed. Your healthcare What are the ingredients in fluoxetine tablets. USP? provider may need to change the dose of fluoxetine tablets
Active ingredients: fluoxetine hydrochloride, USP **Inactive ingredients**: crospovidone, hypromellose, magnesium stearate, maize (corn) starch, microcrystalline cellulose.

dose, skip the missed dose and take your next dose at the This Medication Guide has been approved by the U.S. Food and regular time. Do not take two doses of fluoxetine tablets at Drug Administration.

[†]The brands listed are trademarks of their respective owners



Manufactured for: Mylan Pharmaceuticals Inc. Morgantown, WV 26505 U.S.A.

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