40mg Rx Only

Mfg. Rev. 04/17

Fluoxetine Capsules Rx only

hese highlights do not include all the LUOXETINE CAPSULES.

WARNING: SUICIDAL THOUGHTS AND BEHAVIOR

See full prescribing information for complete boxed warning Increased risk of suicidal thinking and behavior in children, adolescents, and young adults tal 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 insert for Symbols

----- RECENT MAJOR CHANGES -Varnings and Precautions: Serotonin Syndrome (5.2) 01/2017

--- INDICATIONS AND USAGE

luoxetine Capsules are a selective serotonin reuptake inhibitor indicated Acute and maintenance treatment of Major Depressive Disorder (MDD) (1)

eatment of Panic Disorder, with or without agoraphobia (1) Fluoxetine Capsules and olanzapine in combination for treatment of:

 Acute Depressive Episodes Associated with Bipolar I Disorder (1) --- DOSAGE AND ADMINISTRATION 20 mg/day in am (initi 10 to 20 ma/day (initial d

20 mg/day in am (initial dos 60 mg/day in am Panic Disorder (2.4) 10 ma/day (initial dos Oral in combination with olanzapine: 2.5 mg of oral Oral in combination with olanzapine: 5 mg of oral olanzapine and 20 ma of fluoxetine once daily (initial dose) | olanzapine and 20 ma of fluoxetine once daily (initial dose) with Bipolar I Disorder (2.5)

A lower or less frequent dosage should be used in patients with hepatic impairment, the elderly, and for patients with concurrent disease or on multiple

Fluoxetine and olanzapine in combination Dosage adjustments should be made with the individual components according to efficacy and tolerability (2.5)

Fluoxetine monotherapy is not indicated for the treatment of Depressive Episodes associated with Bipolar 1 Disorder (2.5)
Safety of the coadministration of doese above 18 mg alcarazpine with 75 mg fluoxetine has not been evaluated in adults (2.5)
Safety of the coadministration of doese above 12 mg alcarazpine with 50 mg fluoxetine has not been evaluated in adults (2.5)
Safety of the coadministration of doese above 12 mg alcarazpine with 50 mg fluoxetine has not been evaluated in children and adolescents ages 10 to 17

 Cansules: 40 ma (3) CONTRAINDICATIONS

DOSAGE AND ADMINISTRATION

2.3 Bulimia Nervosa

4 Panic Disorder

1 Major Depressive Disorde

2.7 Dosina in Specific Population

DOSAGE FORMS AND STRENGTHS

i.2 Serotonin Syndrome i.3 Allergic Reactions and Rash

5.5 Setzores 5.6 Altered Appetite and Weight 5.7 Abnormal Bleeding 5.8 Angle-Closure Glaucoma

i.11 QT Prolongation i.12 Use in Patients With Concomitant Illness

'.5 Electroconvulsive Therapy (ECT)
'.6 Potential for Other Drugs to Affect Fluoxetine

7.8 Drugs that Prolong the QT Interval

FULL PRESCRIBING INFORMATION

i.14 Long Elimination Half-Life i.15 Discontinuation Adverse Reaction

5.10 Anxiety and Insomnia

TRAINDICATIONS 1 Monoamine Oxidase Inhibitors (MAOIs)

Serotonin Syndrome and MAOIs: Do not use MAOIs intended to treat psychiatric disorders with fluoxetine or within 5 weeks of stopping treatment with

5 Fluoretine and Olanzanine in Combination: Depressive Enjoydes Associated With Ripplar I Disorde

.4 Screening Patients for Bipolar Disorder and Monitoring for Mania/Hypomania

.3 Serotonergic Drugs .4 Drugs That Interfere With Hemostasis (e.g., NSAIDS, Aspirin, Warfarin)

2.9 Switching a Patient To or From a Monoamine Oxidase Inhibitor (MAOI) Intended to Treat Psychiatric Disorders
2.10 Use of Fluoxetine With Other MAOIs Such as Linezolid or Methylene Blue

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 introvenous methylene blue (4.1) Finnzaide: Do not use. Risk of 10 prolongation and drug interaction (4.2, 5.11, 7.7, 7.8)

Thioridazine: Do not use. Risk of 0T interval prolongation and elevated thioridazine plasma levels. Do not use thioridazine within 5 weeks of discontinuing

luoxetine (4.2, 5.11, 7.7, 7.8) When using fluoxetine and planzapine in combination, also refer to the Contraindications section of the package insert for Symbyax (4)

See 17 for PATIENT COUNSELING INFORMATION and Medication Guide

Monoamine Oxidase Inhibitors (MAOIs): (2.9, 2.10, 4.1, 5.2)

ergic Drugs: (2.9, 2.10, 4.1, 5.2)

Antipsychotics: Potential for elevation of haloperidol and clozapine levels (7.7)

nt initiation and dose increases. (5.2)

gastrointestinal or other bleeding (5.7)

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

Hepatic Impairment: Lower or less frequent dosing may be appropriate in patients with cirrhosis (8.6)

--- WARNINGS AND PRECAUTIONS ----

Allergic Reactions and Rosh: Discontinue upon appearance of rosh or allergic phenomena (5.3)

Activation of Mania/Hypomania: Screen for Bipolar Disorder and monitor for mania/hypomania (5.4)

Seizures: Use cautiously in patients with a history of seizures or with conditions that potentially lower the seizure threshold (5.5)

• Suicidal Thoughts and Behaviors in Children, Adolescents, and Young Adults: 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 triptons, tricyclic antidepressants, Tentanyl, lithium, tramadol, tryptophan, buspironé, amphetamines, and St. John's Wort). If such symptoms occur, discontinue fluoxetine and initiate supportive treatment. If concomitant use of fluoxetine with

other serotonergic drugs is clinically warranted, patients should be made aware of a potential increased risk for serotonin syndrome, particularly during

Abnormal Bleeding: May increase the risk of bleeding. Use with NSAIDs, aspirin, warfarin, or other drugs that affect coagulation may potentiate the risk of

Anale-Closure Glaucoma: Anale-closure alaucoma has occurred in patients with untreated anatomically narrow anales treated with antidepressants (5.8)

QT Prolongation: QT prolongation and ventricular arrhythmia including torsade 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, 5.11)

--- ADVERSE REACTIONS --

Fluoxetine and olanzapine in combination – Also refer to the Adverse Reactions section of the package insert for Symbyax (6)

Anticonvulsants: Potential for elevated phenytoin and carbamazepine levels and clinical anticonvulsant toxicity (7.7)

ry mouth, dyspepsia, flu syndrome, impotence, insomnia, libido decreased, nausea, nervousness, pharyngitis, rash, sinusitis, somnolence, sweating, tremor

----- DRUG INTERACTIONS -----

Drugs That Interee With Hemostasis (e.g., NSAIDs, Aspirin, Warfarin): May potentiate the risk of bleeding (7.4)
Drugs That Interee With Hemostasis (e.g., NSAIDs, Aspirin, Warfarin): May potentiate the risk of bleeding (7.4)
Drugs Tighthy Bound to Plasma Proteins: May cause a shift in plusma 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)

--- USE IN SPECIFIC POPULATIONS --

Pregnancy: Fluoxetine should be used during pregnancy only if the potential benefit justifies the potential risks to the fetus (8.1)
 Nursing Mothers: Breastfeeding is not recommended (8.3)

report SUSPECTED ADVERSE REACTIONS, contact AvKARE, Inc. at 1-855-361-3993 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch

Drugs Metabolised by CPP206: Houseline is a potent inhibitor of CPP206 enzyme pathway (7.7)
Drugs Metabolised by CPP206: Houseline is a potent inhibitor of CPP206 enzyme pathway (7.7)
Dricyclic Antidepressants (TcAs): Monitor TcA levels during coodministration with fluoxetine or when fluoxetine has been recently discontinued (5.2, 7.7)
CNS Acting Drugs: Caution should be used when taken in combination with other centrally acting drugs (7.2)
Benzodiazepine: Diazepam - increased 1/y, alprazolam - further psychomotor performance decrement due to increased levels (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 (

Potential for Cognitive and Motor Impairment: Has potential to impair judgment, thinking, and motor skills. Use caution when operating machinery (5.13) Lang Half-Life: Changes in dose will not be fully reflected in plasma for several weeks (5.14) Fluozetine and oblanzapine in Combination: When using fluozetine and olanzapine in combination, also refer to the Warnings and Precautions section of the package insert for Symbyax (5.16)

9 DRUG ABUSE AND DEPENDENC

8.3 Nursing Mothers

12.4 Specific Populations
13 NONCLINICAL TOXICOLOGY 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
13.2 Animal Toxicology and/or Pharmacology

14 CLINICAL STUDIES 14.1 Major Depressive Disorder 14.2 Obsessive Compulsive Disorder 14.3 Bulimia Nervosa 14.4 Panic Disorder
16 HOW SUPPLIED/STORAGE AND HANDLING

16.1 How Supplied 16.2 Storage and Handling
17 PATIENT COUNSELING INFORMATION

I7.1 General Information I7.2 Suicidal Thoughts and Behaviors in Children, Adolescents, and Young Adults

Antidepressants increased the risk of suicidal thoughts and behavior in children, adolescents, and young adults in short-term 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 Warnings and Precautions (5.1)].

In patients of all ages who are started on antidepressant therapy, monitor closely for worsening and for emergence of suicidal thoughts and behaviors. Advise families and caregivers of the need for close observation and communication with the prescriber [see Warnings and ne is not approved for use in children less than 7 years of age [see Warnings and Precautions (5.1) and Use in Specific Populations

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

1 INDICATIONS AND USAGE

Fluoxetine Capsules are indicated for the treatment of: Acute and maintenance treatment of Major Depressive Disorder [see Clinical Studies (14.1)].

Acute and maintenance treatment of obsessions and compulsions in patients with Obsessive Compulsive Disorder (OCD) [see Clinical Studies (14.2)].

 Acute and maintenance treatment of binge-eating and vomiting behaviors in patients with moderate to severe Bulimia Nervosa [see Clinical Studies [14.3)].
 Acute treatment of Panic Disorder, with or without agoraphobia [see Clinical Studies [14.4]]. Fluoxetine Capsules and Olanzapine in Combination are indicated for the treatment of:

Acute treatment of depressive enisodes associated with Ringlar I Disorder

Fluoxetine Capsules monotherapy is not indicated for the treatment of depressive episodes associated with Bipolar I Disorder. When using Fluoxetine Capsules and olanzapine in combination, also refer to the Clinical Studies section of the package insert for Symbyax®

2 DOSAGE AND ADMINISTRATION 2.1 Major Depressive Disorder

Adult — Initiate fluoxetine 20 mg/day orally in the morning. Consider a dose increase after several weeks if insufficient clinical improvement is observed. Administe doses above 20 mg/day once daily in the morning or twice daily (i.e., morning and noon). The maximum fluoxetine dose should not exceed 80 mg/day. In controlled trials used to support the efficacy of fluoxetine, patients were administered morning doses ranging from 20 to 80 mg/day. Studies comparing fluoxetin 20, 40, and 60 mg/day to placeho indicate that 20 mg/day is sufficient to obtain a satisfact

Pediatric (children and adolescents) — Initiate fluoxetine 10 or 20 mg/day. After 1 week at 10 mg/day, increase the dose to 20 mg/day. However, due to higher plasma levels in lower weight children, the starting and target dose in this group may be 10 mg/day. Consider a dose increase to 20 mg/day after several weeks if insufficient clinical improvements is observed. In the schort-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)].

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. Periodically reassess to determine the need for maintenance treatmen

Switching Patients to a Tricyclic Antidepressant (TCA) — Dosage of a TCA may need to be reduced, and plasma TCA concentrations may need to be monitored temporarily 2.2 Obsessive Compulsive Disorde Adult - Initiate fluoxetine 20 mg/day, orally in the morning, Consider a dose increase after several weeks if insufficient clinical improvement is observed. The full

therapeutic effect may be delayed until 5 weeks of treatment or longer. Administer doses above 20 mg/day once daily in the morning or twice daily (i.e., morning and noon). A dose 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 0CO. The maximum fluoxetine dose should not exceed 80 mg/day. In the controlled clinical trials of fluoxetine supporting its effectiveness in the treatment of OCD, patients were administered fixed daily doses of 20, 40, or 60 ma of fluoxetine or placebo [see Clinical Studies (14.2)]. In one of these studies, no dose-response relationship for effectiveness was demonstrated

Pediatris (children and adolescents) — In adolescents and higher weight children, initiate treatment with a dose of 10 mg/day. After 2 weeks, increase the dose to 20 mg/day. Consider additional dose increases after several more weeks if insufficient dinical improvement is observed. A dose range of 20 to 60 mg/day is

In lower weight children, initiate treatment with a dose of 10 mg/day. Consider additional dose increases after several more weeks if insufficient clinical improvement is observed. A dose range of 20 to 30 mg/day is recommended. Experience with daily doses greater than 20 mg is very minimal, and there is no experience with doses In the controlled clinical trial of fluoxetine supporting its effectiveness in the treatment of OCD, patients were administered fluoxetine doses in the range of 10 to

Periodically reassess to determine the need for treatment

Periodically reassess to determine the need for maintenance treatment.

Initial Treatment — Administer fluoxetine 60 mg/day 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. In the controlled chinical triols of fluoxetine supporting its effectiveness in the reatment of Bulimia Nervosa, politients were administered taxed daily fluoxetine doses of 20 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.

Initial Treatment — Initiate treatment with fluoxetine 10 mg/day. After one week, increase the dose to 20 mg/day. Consider a dose increase after several weeks if no initial interviewment is observed. Fluoxetine does above 60 mg/day have not been systematically evaluated in potients with fornic Disorder. In the controlled clinic 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]]. The most frequently administered dose in the 2 flexible-dose clinical trials was 20 mg/day. Periodically reassess to determine the need for continued treatment.

2.5 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 Symbyax Adult - Administer fluoxetine in combination with oral clanzapine once daily in the evening, without regard to meals, generally beginning with 5 mg of oral oral olanzapine 5 to 12.5 mg. Antidepressant efficacy was demonstrated with olanzapine and fluoxetine in combination with a dose range of alanzapine 6 to 12 mg and fluoxetine 25 to 50 mg. Safety of coadministration of doses above 18 mg olanzapine with 75 mg fluoxetine has not been evaluated in clinical studies. Periodica

Children and adolescents (10 to 17 years of age) - Administer olanzapine and fluoxetine combination once daily in the evening, generally beginning with 2.5 mg o lonzapine and 20 mg of fluoxetine. Make dosage odjustments, if indicated, according to efficacy and follerabilistration of does above 12 mg of planzapine with 50 mg of fluoxetine has not been evaluated in pediatric clinical studies. Periodically re-examine the need for continued pharmacotherapy

Safety and efficacy of fluoxetine in combination with alanzapine 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 versus Symbyax. Adjust dosage, if indicated, with the individual component doses of fluoxetine and olanzapine versus Symbyax. Adjust dosage, if indicated, with the individual component doses of fluoxetine and olanzapine versus Symbyax.

For Symbyax	Ose 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				
* Symbyax (olanzapine/fluoxetine HCL) is a fixed-dose combination of fluoxetine and olanzapine.						
and the state of t						

2.7 Dosing in Specific Populations

Treatment of Pregnant Warnen — When treating pregnant women with fluoxetine, the physician should carefully consider the potential risks and potential benefits of treatment. Neonates exposed to SSRIs or SNRIs late in the third trimester have developed complications requiring prolonged hospitalization, respiratory support, and tube feeding [see Use in Specific Populations (8.1)]. Geriatric — Consider a lower or less frequent dosage for the elderly [see Use in Specific Populations (8.5)].

Hepatic Impairment — As with many other medications, use a lower or less frequent dosage in patients with hepatic impairment [see Clinical Pharmacology (12.4) and

Concomitant Illness - Patients with concurrent disease or on multiple concomitant medications may require dosage adjustments [see Clinical Pharmacology (12.4) and Warnings and Precautions (5.12)1. Fluoxetine and Olanzapine in Combination — Use a starting dose of oral olanzapine 2.5 to 5 mg with fluoxetine 20 mg for patients with a predisposition to hypotensive

2.8 Discontinuation of Treatment Symptoms associated with discontinuation of fluoxetine, SNRIs, and SSRIs, have been reported [see Warnings and Precautions (5,15)].

2.9 Switching a Patient To or From a Monoamine Oxidase Inhibitor (MAOI) Intended to Treat Psychiatric Disorders

2.10 Use of Fluoxetine With Other MAOIs Such as Linezolid or Methylene Blue

At least 14 days should elapse between discontinuation of an MAOI intended to treat psychiatric disorders and initiation of therapy with fluoxetine. Conversely, at least 5 weeks should be allowed after stopping fluoxetine before starting an MAOI intended to treat psychiatric disorders [see Contraindications (4.1)].

Do not start fluoxetine in a patient who is being treated with linezolid or intravenous methylene blue because there is an increased risk of serotonin syndrome. In a patient who requires more urgent treatment of a psychiatric condition, other interventions, including hospitalization, should be considered [see Contraindications (4.1)]. In some cases, a patient already receiving fluoxetine therapy may require urgent treatment with linezolid or intravenous methylene blue. If acceptable alternatives to enous 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 should be stopped promptly, and linezolid or intravenous methylene blue can be dministered. The patient should be monitored for symptoms of serotonin syndrome for five weeks or until 24 hours after the last dose of linezolid or intravenous ethylene blue, whichever comes first. Therapy with fluoxetine may be resumed 24 hours after the last dose of linezolid or intravenous methylene blue [see Warnings]

The risk of administering methylene blue by non-introvenous routes (such as oral tablets or by local injection) or in introvenous doses much lower than 1 mg/kg with fluoxetine is unclear. The clinician should, nevertheless, be aware of the possibility of emergent symptoms of serotonin syndrome with such use [see Warnings and

3 DOSAGE FORMS AND STRENGTHS

Fluoxetine Capsules USP, 40 mg contain fluoxetine hydrochloride, USP equivalent to 40 mg fluoxetine, and are available as hard gelatin capsules with a blue cap and orange body. The body of the #2 capsule is imprinted "7198" and the cap is imprinted "TEVA."

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 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 MADIs such as linezalid or introvenous 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)].

4.2 Other Contraindications The use of fluoxetine is contraindicated with the following:

Pimozide [see Warnings and Precautions (5.11) and Drug Interactions (7.7, 7.8)]
Thioridazine [see Warnings and Precautions (5.11) and Drug Interactions (7.7, 7.8)]

Pimozide and thioridazine prolona the QT interval. Fluoxetine can increase the levels of pimozide and thioridazine through inhibition of CYP2D6. Fluoxetine 5 WARNINGS AND PRECAUTIONS

When using fluoxetine and olanzapine in combination, also refer to the Warnings and Precautions section of the package insert for Symbya 5.1 Suicidal Thoughts and Behaviors in Children, Adolescents, and Young Adults

Patients with Major Depressive Disorder (MDD), both adult and pediatrist, may experience warsening of their depression and/or the emergence of suicidal ideation and behavior (suicidality) or unusual changes in behavior, whether or not they are taking antidepressant medications, and this risk may pessist 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 suicida. There has been a long-standing concern, however, that antidepressants may have a role in inducing warsening of depression and the emergence of suicidality in certain patients during the early phases of treatment. Pooled analyses of short-term placebo-controlled trials of antidepressant drugs (SSRs and others) showed that these drugs increase the risk of suicidality particularly in antidepressant 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; Most common adverse reactions (≥ 5% and at least twice that for placebob associated with:

Major Depressive Disorder, Obsessive Compulsive Disorder, Bulimia, and Panic Disorder: abnormal dreams, abnormal ejaculation, anorexia, anxiety, ashenia, diarrhea, sants compared to placebo in adults aged 65 and older

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 9 antidepressant drugs in over 4400 patients. The pooled analyses of placebo-controlled trials in adults with MDD or other psychiatric s included a total of 295 short-term trials (median duration of 2 months) of 11 antidepressant drugs in over 77,000 patients. There was considerable assisted included in our 227 stor-term into (recursing controlled in the younger politicals for olders) and (gray studied. There were differences in obsolute risk of suicidality arrows the different indications, with the highest incidence in MDD. The risk differences (drug versus placebo), however, were relatively studie within age stated and cross so indications. News risk differences (drug placebo difference in the number of cases of suicidatility per 1000) politicals treated and cross so indications. These risk differences (drug-placebo differences in the number of cases of suicidatility per 1000) politicals. Table 2: Suicidality per 1000 Patients Treated

	·////					
Age Range	Drug-Placebo Difference in Number of Cases of Suicidality per 1000 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					
No suicides occurred in any of the n	edictric trials. There were suicides in the adult trials, but the number was not sufficient to reach any conclusion about drug off					

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

naising momens, pressive unit of the commented (a.5)

Feddatric Use: Steply and effectiveness of fluovatine in patients < 8 years of age with Major Depressive Disorder and < 1 years of age with OCD have not been established. Safety and effectiveness of fluovatine and olanzapine in combination in patients < 10 years of age for depressive episodes associated will Bipolar I Disorder have not been established. (8.4) All patients being treated with antidepressants for any indication should be monitored appropriately and observed closely for clinical worsening, suicidality, and unusual changes in behavior, especially during the initial few months of a course of drug therapy, or at times of dose changes, either increases or decreases.

The following symptoms, anxiety, agitation, panic attacks, insomnia, irritability, hostility, aggressiveness, impulsivity, akathisia (psychomotor restlessness), hypomania, and mania, have been reported in adult and pediatric patients being treated with antidepressants for Major Depressive Disorder as well as for other indications, both psychiatric and nonpsychiatric. Although a causal link between the emergence of such symptoms and either the worsening of depression and/or the emergence of suicidal impulses has not been established, there is concern that such symptoms may represent precursors to emerging suicidality Consideration should be given to changing the therapeutic regimen, including possibly discontinuing the medication, in patients whose depression is persistently worse, or who are experiencing emergent suicidality or symptoms that might be precursors to worsening depression or suicidality, especially if these symptoms are severe, abrupt in onset, or were not part of the patient's presenting symptoms.

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 Procautions (5.15)]. Families and caregivers of patients being treated with antidepressants for Major Depressive Disorder or other indications, both psychiatric and

nonpsychiatric, should be alerted about the need to monitor patients for the emergence of agitation, irritability, unusual changes in behavior, and the other symptoms described above, as well as the emergence of suicidality, and to report such symptoms immediately to healthcare providers. Such monitoring should include daily observation by families and arcepieves. Prescriptions for fluoxetine capsules should be written for the smallest quantity of capsules 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 Compulsive Disorder; and fluoxetine in 5.2 Serotonin Syndrome

The development of a potentially life-threatening serotonin syndrome has been reported with SNRIs and SSRIs, including fluoxetine, alone but particularly with concomitant use of other serotonergic drugs (including triptons, tricydic antidepressons, fentanyl, lithium, tramadol, tryptophan, buspirone, amphetamines, an 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 a Serotonin syndrome symptoms may include mental status changes (e.g., agitation, hallucinations, delirium, and coma), autonomic instability (e.g., tachycardia, labil

blood pressure, dizziness, diaphoresis, flushing, hyperthermia), neuromuscular symptoms (e.g., tremor, rigidity, myodonus, hyperreflexia, incoordination), seizur 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 tree with MAOIs such as linezolid or intravenous methylene blue. All reports with methylene blue that provided information on the route of administration involved intravenous administration in the dose 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 njection) 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 pat aking 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., triptons, tricyclic antidepressonts, fentanyl, lithium, tramadol, buspirone, tryptophan, amphetamines, and St. John's Wort is clinically warranted, patients should be made aware of a potential increased risk for serotonin syndrome, particularly during Treatment with fluoxetine and any concomitant serotonergic agents, should be discontinued immediately if the above events occur and supportive symptomati

5.3 Alleraic 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. Clinic findings reported in association with rash include lever, leukorytosis, arthralgias, edema, carpal tumel syndrome, respiratory distress, lymphodenopolty, proteint and mild transaminase elevation. Most patients improved promptly with discontinuation of fluoxetine and/or adjunctive tereinment with antihistomines or steroids, all patients experiencing these reactions were reported to recover completely.

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 syndrame, have developed in patients with rash. Alth 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 reactions. Anaphylactoid reactions, including bronchospasm, angioedema, laryngospasm, and urticaria alone and in combination, have been reported.

Pulmonary reactions, including inflammatory processes of varying histopathology and/or fibrosis, have been reported rarely. These reactions have occurred with

Whether these systemic reactions and rash have a common underlying cause or are due to different etiologies or pathogenic processes is not known. Furthermore, specific underlying immunologic basis for these reactions has not been identified. Upon the appearance of rash or of other possibly allergic phenomena for which a alternative etiology cannot be identified, fluoxetine should be discontinued. 5.4 Screening Patients for Bipolar Dis order and Monitoring for Mania/Hypomania

A major depressive episode may be the initial presentation of Bipolar Disorder. It is generally believed (though not established in controlled trials) that treating si 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 symptoms described for clinical worsening and suicide risk represent such a conversion is unknown. However, prior to initiating treatment with an antidepressant, populents with depressive symptoms should be adequately screened to determine if they are at risk for Bipolar Bisorder, such screening should include a detailed

chiatric history, including a family history of suicide. Bipolar Disorder, and depression. It should be noted that fluoxetine and olanzapine in combination is ap of depressive episodes associated with Bipolar I Disorder [see Warnings and Precautions section of the package insert for Symbyax]. Fluc y is not indicated for the treatment of depressive episodes associated with Bipolar I Disorder treated with placebo. Activation of mania/hypomania has also been reported in a small proportion of patients with Major Affective Disorder treated with othe 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 OCO, mania/hypomania was reported in 0.8% of patients treated with fluoxetine and no patients treated with placebo. patients reported mania/hypomania in U.S. placebo-controlled clinical trials for bulimia. In U.S. fluoxetine 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% patients treated with fluovestine and 0.2% of patients treated with placebo. No patients reported convulsions in U.S. placebo-controlled clinical trials for either OCO columns. In U.S. fluovestine clinical trials, 0.2% of 10,782 patients reported convulsions. The percentage appears to be similar to that associated with other marketer drugs effective in the treatment of Major Depressive Disorder. Fluovestine should be introduced with care in patients with a history of seizures. 5.6 Altered Appetite and Weight Significant 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 have patients discontinued treatment with 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 (decrease

inued 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 overage lost 0.45 kg compared with a gain of 0.16 kg by patients treated with placebo in the 16 weel 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-steroidal anti-inflammatory drugs, warfarin, and owns and sask, including truckenie, may increase nier risk of needing recursions, culcommun as or aspirin, non-second anni-information gray, warrant biter anti-congulants may add to this risk. Case reports and epidemiological studies (case-control and cohort design) have demonstrated an association betwee drugs that interfere with serotania reuptake and the occurrence of gastrointestinal bleeding. Bleeding reactions related to SNRIs and SSRIs use have ranged fr scribymoses, 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

5.8 Angle-Closure Glaucoma

reactions, patients with hepatic impairment, or patients who exhibit a combination of factors that may slow the metabolism of olanzapine or flooxeline in combination (female gender, geriatric age, non-smoking status), or those patients who and white the patients who exhibit a combination of factors that may slow the metabolism. Florate slowly and adjust dosage as needed in patients who exhibit a combination of factors that may slow metabolism. Florate slowly and adjust dosage as needed in patients who exhibit a combination of factors that may slow metabolism. Florate slowly and adjust dosage as not patient with an adjust of source of slown and patients who exhibit a combination of factors that may slow the metabolism. Florate slowly and adjust dosage as not patient with an adjust of source of slown and patients who exhibit a combination of factors that may slow the metabolism. Florate slowly and adjust dosage as not patient with an adjust of source of slown and patient with Hyponatremia has been reported during treatment with SNRIs and SSRIs, including fluoxetine. In many cases, this hyponatremia appears to be the result of the vidrome of inappropriate antidiuretic hormone secretion (SIADH). Cases with serum sodium lower than 110 mmol/L have been reported and appeared to be

eversible when fluoxetine was discontinued. Elderly patients may be at greater risk of developing hyponatremia with SNRIs and SSRIs. Also, patients taking diuretics 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 impairment, confusion, weakness, 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 5.10 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 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 nationts treated with fluoretine and in 7% of nations treated with placeho In U.S. placebo-controlled clinical trials for Bullimia Nervosa, insomnia was reported in 33% of patients treated with fluoxetine 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 Among the most common adverse reactions associated with discontinuation (incidence at least twice that for placebo and at least 1% for fluoxetine in clinical trials collecting only a primary reaction associated with discontinuation) in U.S. placebo-controlled fluoxetine clinical trials were anxiety (2% in OCD), insomnia (1% in combined indications and 2% in bullimia), and nervousness (1% in Major Depressive Disorder) [see Table 5].

5.11 QT Prolongation

Postmarketing cases of QT interval prolongation and ventricular arrhythmia including torsade de pointes have been reported in patients treated with fluoxetine. Floozetine should be used with author in patients with congenital long OT syndrome, or previous history of OT prolongation; a family history of long OT syndrome or sudden cardiact death; and other conditions that predispose to OT prolongation and ventricular cardythmine. Such conditions include concemitant use of drugs that prolong the OT interval; hypoxlenian or hypomagnesimic; recent myocardia infurction, uncompensated heart failure, brodyvartythminis, and other significant arrhythminis; 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), Adverse Reactions (6.2), Drug

Interactions (7.7, 7.8), Overdose (10.1), and Clinical Pharmacology (12.3)]. imazide and thioridazine are contraindicated for use with fluoxetine. Avoid the concomitant use of drugs known to prolong the QT interval. These include specific ntipsychotics (e.g., ziprasidone, iloperidone, chlorpromazine, mesoridazine, droperidol), specific antibiotics (e.g., erythromycin, gatifloxacin, mosifloxacin, proprioxacis (I lass 1 A antiarrhythmic medications (e.g., quinidine, procainamide); Class III antiarrhythmics (e.g., amiodarone, sotalol); and others (e.g., pentamidine, evenuethard); Class 1 A antiarrhythmic medications (e.g., quinidine, procainamide); Class III antiarrhythmics (e.g., amiodarone, sotalol); 7.7 B) and Chinical evenuethard); Class 1 A antiarrhythmic medications (e.g., quinidine, procainamide); Class III antiarrhythmics (e.g., amiodarone, sotalol); 7.7 B) and Chinical evenuethard); Class 1 A antiarrhythmic medications (e.g., quinidine, procainamide); Class III antiarrhythmics (e.g., amiodarone, sotalol); 7.7 B) and Chinical evenuethard); Class 1 A antiarrhythmic medications (e.g., quinidine, procainamide); Class III antiarrhythmics (e.g., amiodarone, sotalol); 7.7 B) and Chinical evenuethard); 7.7 B) and Chinical evenuethard); 7.8 B) antiarrhythmic medications (e.g., quinidine, procainamide); Class III antiarrhythmics (e.g., amiodarone, sotalol); 7.8 B) anti

Consider ECG assessment and periodic ECG monitoring if initiating treatment with fluoxetine in patients with risk factors for QT prolongation and ventri arrhythmia. Consider disconlinuing fluoxetine and obtaining a cardiac evaluation if patients develop signs or symptoms consistent with ventricular arrh

5 12 Use in Patients With Concomitant Illness Clinical experience with fluozetine in patients with concomitant systemic illness is limited. Caution is advisable in using fluozetine 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 electrocardiagrams of 312 patients who received fluoxetine in double-blind trials were retrospectively evaluated; no conduction abnormalities that resulted in heart black were observed. The

ean heart rate was reduced by approximately 3 beats/min Glycemic Control — In patients with diabetes, fluoxetine may after glycemic control. Hypoglycemia has occurred during therapy with fluoxetine, and hyperglycemia has developed following discontinuation of the drug. As is true with many other 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.

5.13 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

Because of the long elimination half-lives of the parent drug and its major active metabolite, changes in dose will not be fully reflected in plasma for several weeks, affecting both strategies for titration to final dose and withdrawal from treatment. This is of potential consequence when drug discontinuation is required or when d are prescribed that might interact with fluoxetine and norfluoxetine following the discontinuation of fluoxetine [see Clinical Pharmacology (12.3)]. 5.15 Discontinuation Adverse Reactions

During marketing of fluoxetine, SNRIs, and SSRIs, there have been spontaneous reports of adverse reactions occurring upon discontinuation of these drugs, particularly when abrupt, including the following: dyspharic mood, irritability, agitation, dizziness, sensory disturbances (e.g., paresthesias such as electric shock sensations); of a control of the Tather than abrupt cessation is recommended whenever possible. If intolerable symptoms occur following a decrease in the dose or upon discontinuation of treatmen then resuming the previously prescribed 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. 5.16 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 6 ADVERSE REACTIONS

The following adverse reactions are discussed in more detail in other sections of the labeling: Suicidal Thoughts and Behaviors in Children, Adolescents, and Young Adults [see Boxed Warning and Warnings and Precautions (5.1)]

Serotanin Syndrome [see Warnings and Precautions (5.2)]

Allergic Reactions and Rosh [see Warnings and Precautions (5.3)]

Screening Petients for Bipolar Disorder and Monitoring for Mania, Hypomania [see Warnings and Precautions (5.4)]

Seizures [see Warnings and Precautions (5.5)]

Altered Appetite and Weight [see Warnings and Precautions (5.6)]

Altered Appetite and Weight [see Warnings and Precautions (5.7)]

Abnormal Bleeding [see Warnings and Precautions (5.7)]
Angle-Closure Glaucoma [see Warnings and Precautions (5.8)]
Hyponatremia [see Warnings and Precautions (5.9)]
Anxiety and Insomnia [see Warnings and Precautions (5.10)]

QT Prolongation [see Warnings and Precautions (5.11)]
Potential for Cognitive and Motor Impairment [see Warnings and Precautions (5.13)]

Discontinuation Adverse Reactions [see Warnings and Precautions (5.15)] When using fluoxetine and olanzapine in combination, also refer to the Adverse Reactions section of the package insert for Symbyax

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 observed in practice. Multiple doses of fluoxetine have been administered to 10,782 patients with various diagnoses in U.S. clinical trials. In addition, there have been 425 patients administered fluoxetine in panic clinical trials. The stated frequencies represent the proportion of individuals who experienced, at least once, a treatment-emergent 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

Incidence in Major Depressive Disorder, OCD, bulimia, and Panic Disorder placebo-controlled clinical trials (excluding data from extensions of trials) — Table 3 Incidence in Major Depressive Disorder, UCU, bullmin, and Painc Disorder placebo-controlled clinical trials (excluding data from extensions of trials).— Table 3 enumerates the most semmon treatment entergent orderse reactions associated with the use of fluoxetine and 15% for fluoxetine and at least twich that for placebo within at least 1 of the indications) for the treatment of Major Depressive Disorder, OCD, and bullmia in U.S. controlled clinical trials and Panic Disin U.S. plus non-U.S. controlled trials. Table 5 enumerates treatment-emergent adverse reactions that occurred in 2% or more patients treated with fluoxetine and incidence greater than placebo who participated in U.S. Major Depressive Disorder, OCD, and bullmin controlled clinical trials and U.S. plus non-U.S. Panic Disorder controlled clinical trials. Table 4 provides combined data for the pool of studies that are provided separately by indication in Table 3.

Table 3: Most Common Treatment-Emergent Adverse Reactions: Incidence in Major Depressive Disorder, OCD, Bulimia, and Panic Disorder Placebo-Controlled Clinical Trials*, 1

			Pe	rcentage of Pa	tients Reporting E	vent		
	Major D Dis	epressive order	0	CD	Bulimia		Panic Disorder	
Body System/ Adverse Reaction	Fluoxetine (N=1728)	Placebo (N=975)	Fluoxetine (N=266)	Placebo (N=89)	Fluoxetine (N=450)	Placebo (N=267)	Fluoxetine (N=425)	Placebo (N=342)
Body as a Whole								
Asthenia	9	5	15	11	21	9	7	7
Flu syndrome	3	4	10	7	8	3	5	5
Cardiovascular System								
Vasodilatation	3	2	5	-	2	1	1	-
Digestive System								
Nausea	21	9	26	13	29	11	12	7
Diarrhea	12	8	18	13	8	6	9	4
Anorexia	11	2	17	10	8	4	4	1
Dry mouth	10	7	12	3	9	6	4	4
Dyspepsia	7	5	10	4	10	6	6	2
Nervous System								
Insomnia	16	9	28	22	33	13	10	7
Anxiety	12	7	14	7	15	9	6	2
Nervousness	14	9	14	15	11	5	8	6
Somnolence	13	6	17	7	13	5	5	2
Tremor	10	3	9	1	13	1	3	1
Libido decreased	3	-	11	2	5	1	1	2
Abnormal dream	s 1	1	5	2	5	3	1	1
Respiratory System								
Pharyngitis	3	3	- 11	9	10	5	3	3
Sinusitis	1	4	5	2	6	4	2	3
Yawn	-	-	7	-	11	-	1	-
Skin and Appendages								
Sweating	8	3	7	-	8	3	2	2
Rash	4	3	6	3	4	4	2	2
Urogenital System								
Impotence [‡]	2	-	-	-	7	-	1	-
Abnormal ejaculation‡	-	-	7	-	7	-	2	1

Includes U.S. data for Major Depressive Disorder, OCD. Bulimia, and Panic Disorder clinical trials, plus non-U.S. data for Panic Disorder clinical trial Denominator used was for males only (N = 690 fluoxetine Major Depressive Disorder; N = 410 placebo Major Depressive Disorder; N = 116 fluoxetine OCD; N = 43 placebo OCD; N = 14 fluoxetine bulimia; N = 1 placebo bulimia; N = 162 fluoxetine panic; N = 121 placebo panic).

MEDICATION GUIDE FLUOXETINE (floo-OX-e-teen)

Read the Medication Guide that comes with fluoxetine capsules before you start taking them 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.

fluoxetine capsules? Fluoxetine capsules and other antidepressant medicines may cause

serious side effects, including:

1. Suicidal thoughts or actions:

• Fluoxetine capsules 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

capsules 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 capsules 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

4. Abnormal bleeding: Fluoxetine capsules 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. 5. Visual problems:

eve 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.

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.

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 torsade de pointes). This condition can be life threatening. The symptoms may include:

• fast, slow, or irregular heartbeat

shortness of breath

 dizziness or faintina Do not stop fluoxetine capsules without first talking to vour

healthcare provider. Stopping fluoxetine capsules too quickly may cause serious symptoms including: What is the most important information I should know about

• 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 capsules?

Fluoxetine capsules 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 capsules 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 capsule treatment.

Who should not take fluoxetine capsules? Do not take fluoxetine capsules if you:

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

• 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

MAOI in the last 2 weeks unless directed to do so by your People who take fluoxetine capsules close in time to an MAOI

may have serious or even life-threatening side effects. Get

• Do not start fluoxetine capsules if you stopped taking an

capsules unless directed to do so by your physician.

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 capsules because this can cause serious heart rhythm problems or sudden

Medicines used to treat mood, anxiety, psychotic or thought

disorders, including tricyclics, lithium, buspirone, SSRIs,

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

Before starting fluoxetine capsules, tell your healthcare provider if

fluoxetine capsules? Ask if you are not sure.

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

SNRIs, MAOIs or antipsychotics Amphetamines

> Tramadol and fentanyl Over-the-counter supplements such as tryptophan or St. John's

 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 capsules will harm your unborn baby. Talk to your healthcare provider about the benefits and risks of treating depression during pregnancy.

pass into your breast milk. Talk to your healthcare provider about the best way to feed your baby while taking fluoxetine capsules. Tell your healthcare provider about all the medicines that you

take, including prescription and non-prescription medicines, vitamins, and herbal supplements. Fluoxetine capsules and some medicines may

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are breastfeeding or plan to breastfeed. Some fluoxetine may

side effects.

medicine while taking fluoxetine capsules without talking to your

• Fluoxetine capsules may be taken with or without food.

• If you miss a dose of fluoxetine capsules, 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 capsules at the same time.

• If you take too many fluoxetine capsules, call your healthcare provider or poison control center right away, or get emergency

What should I avoid while taking fluoxetine capsules?

Fluoxetine capsules 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 capsules affect you. Do not drink alcohol while using fluoxetine capsules.

What are the possible side effects of fluoxetine capsules?

Fluoxetine capsules may cause serious side effects, including:

• See "What is the most important information I should

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

• Feeling anxious or trouble sleeping

Common possible side effects in people who take fluoxetine capsules

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 cansules

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 capsules. For more information, ask your healthcare provider or pharmacist.

CALL YOUR DOCTOR FOR MEDICAL ADVICE ABOUT SIDE EFFECTS. YOU MAY REPORT SIDE EFFECTS TO THE FDA AT

How should I store fluoxetine capsules?

 Store fluoxetine capsules at room temperature between 20° to 25°C (68° to 77°F).

Keep fluoxetine capsules away from light.

Keep fluoxetine capsules bottle closed tightly.

Keep fluoxetine capsules and all medicines out of the reach of

General information about fluoxetine capsules

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

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

For more information about fluoxetine capsules call 1-855-361-3993.

interact with each other, may not work as well, or may cause serious What are the ingredients in fluoxetine capsules? Active ingredient: fluoxetine hydrochloride

Your healthcare provider or pharmacist can tell you if it is safe to take Inactive ingredients: colloidal silicon dioxide, pregelatinized corn fluoxetine capsules with your other medicines. Do not start or stop any starch, and simethicone. The capsule shell contains D&C Red #28, D&C Yellow #10, FD&C Blue #1, FD&C Blue #2, FD&C Red #40, gelatin, and titanium dioxide. The imprinting ink contains FD&C Blue #1 aluminum lake. FD&C Blue #2 aluminum lake. FD&C Red #40 aluminum lake. D&C Yellow #10 aluminum lake, iron oxide black and shellac alaze. and may contain propylene glycol.

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

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AvKARE, Inc. Pulaski, TN 38478

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Table 4: Treatment-Emergent Adverse Reactions: Incidence in Major Depressive Disorder, OCD, Bulimia, and Panic Disorder Placebo-Controlled Clinical Trials*,†

	Percentage of Patients Reporting Event					
	Major Depressive Disorder, OCD, Bulimia, and Panic Disorder Combined					
Body System/Adverse Reaction	Fluoxetine (N=2869)	Placebo (N=1673)				
Body as a Whole						
Headache	21	19				
Asthenia	11	6				
Flu syndrome	5	4				
Fever	2	1				
Cardiovascular System						
Vasodilatation	2	1				
Digestive System						
Nausea	22	9				
Diarrhea	11	7				
Anorexia	10	3				
Dry mouth	9	6				
Dyspepsia	8	4				
Constipation	5	4				
Flatulence	3	2				
Vomiting	3	2				
Metabolic and Nutritional Disorders						
Weight loss	2	1				
Nervous System						
Insomnia	19	10				
Nervousness	13	8				
Anxiety	12	6				
Somnolence	12	5				
Dizziness	9	6				
Tremor	9	2				
Libido decreased	4	1				
Thinking abnormal	2	1				
Respiratory System						
Yawn	3	-				
Skin and Appendages						
Sweating	7	3				
Rash	4	3				
Pruritus	3	2				
Special Senses						
Abnormal vision	2	1				

Includes U.S. data for Major Depressive Disorder, OCD, Bulimia, and Panic Disorder clinical trials, plus non-U.S. data for Panic Disorder clinical trials.

orn to women (N = 253) exposed to fluoxetine during the first trimester of pregnancy compared to infants of women (N = 1359) who were not exposed to fluoxetine Associated with discontinuation in Major Depressive Disorder, OCD, bullmia, and Panic Disorder placebo-controlled clinical trials (excluding data from extensions of trials)

— Table 5 lists the adverse reactions associated with discontinuation of fluoxetine treatment (incidence at least twice that for placebo and at least 1% for fluoxetine in clinical trials collecting only a primary reaction associated with discontinuation) in Major Depressive Disorder, OCD, bullmia, and Panic Disorder clinical trials, plus There was no specific pattern of cardiovascular malformations. Overall, however, a causal relationship has not been established. Nonteratogenic Effects — Neonates exposed to fluoxetine and other SSRIs or serotonin and norepinephrine reuptake inhibitors (SNRIs), late in the third trimester have developed complications requiring prolonged hospitalization, respiratory support, and tube feeding. Such complications can arise immediately upon delivery. Reported clinical findings have included respiratory distress, cyanosis, opnea, seizures, temperature instability, feeding difficulty, vomiting, hypoglycemia, hypotonia, hypotronia, hypotronia, hypotreflexia, tremor, jitteriness, irritability, end constant crying. These features are consistent with either a direct toxic effect of SSRIs and SKRIs 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)].

Table 5: Most Common Adverse Reactions Associated with Discontinuation in Major Depressive Disorder, OCD,

bollina, and I ame bisorael I lacebe controlled clinical littles				cui illuis		possibly, a drug discommodilon syndrome. Il should be noted indi, in some cases, the clinical picture is consistent with serotomin syndrome [see warnings and		
	Major Depressive Disorder, OCD,	Major Depressive	OCD	Bulimia	Panic Disorder	Precautions (5.2)].		
	Bulimia, and Panic Disorder Combined	Disorder	(N=266)	(N=450)	(N=425)	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		
	(N=1533)	(N=392)				births in the general population and is associated with substantial neonatal morbidity and mortality. Several recent epidemiological studies suggest a positive statistical		
	Anxiety (1%)	-	Anxiety (2%)	-	Anxiety (2%)	association between SSRI use (including fluoxetine) in pregnancy and PPHN. Other studies do not show a significant statistical association.		
	-	-	-	Insomnia (2%)	-	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		
	-	Nervousness (1%)	-	-	Nervousness (1%)	antidepressants of had received annuepressants less man 12 weeks prior to their tast intension, und were in remission, women who associational antidepressant medication during pregnancy showed a significant increase in relapse of their major depression compared to those women who remained on		
	-	-	Rash (1%)	-	-	antidepressant medication throughout pregnancy.		
	* Include II C Major Danzacijus Dicardor OCD Pulimia and Panic Dicardor clinical trials plus non II C Panic Dicardor clinical trials					When treating a pregnant woman with fluoxetine, the physician should carefully consider both the potential risks of taking an SSRI, along with the established benefits		

Other adverse reactions in pediatric patients (children and adolescents). Treatment neuroperate adverse reactions were collected in 322 pediatric patients (fallaten and adolescents). Treatment-neuroperate 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 uninformative or misleading) were reported at an incidence of at least 2% for fluoxetine and greater than placebo: thirst, hyperkinesia, agitation, personality disepistaxis, urinary frequency, and menorrhagia.

The most common adverse reaction (incidence at least 1% for fluoxeline and greater than placebo) associated with discontinuation in 3 pediatric placebo-controlled trials (N = 418 randomized, 228 fluoxeline-treated, 190 placebo-treated) was mania/hypomania (1.8% for fluoxeline-treated, 0% for placebo-treated). In these clinical trials, only a primary reaction associated with discontinuation was collected.

Male and female sexual dysfunction with SSRIs — Although changes in sexual desire, sexual performance, and sexual satisfaction often occur as manifestations of a sychiatric 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, expensives, neutone somices of the induced and several policinomate expensions investing the consistency of a committee of the incidence of undersord sexual expensions and physicians may be reluctant to discuss them. Accordingly, estimates of the incidence of undersord sexual expension and erformance, cited in product labeling, are likely to underestimate their actual incidence. In patients enrolled in U.S. Major Depressive Disorder, OCD, and bulimia lacebo-controlled clinical trials, decreased libido was the only sexual side effect reported by at least 2% of patients taking fluoxetine (4% fluoxetine, < 1% placel

There are no adequate and well-controlled studies examining sexual dysfunction with fluoxetine treatment Symptoms of sexual dysfunction occasionally persist after discontinuation of fluoxetine treatment.

Prinnism has been reported with all SSRIs

While it is difficult to know the precise risk of sexual dysfunction associated with the use of SSRIs, physicians should routinely inquire about such possible side effects. The efficacy of fluoxetine for the treatment of OCO was demonstrated in one 13 week placebo-controlled clinical trial with 103 pediatric outpatients ages 7 to < 18 nt adverse reactions reported by patients treated with fluoxetine in clinical trials. This listing is not intended to include r

(1) dready listed in previous tables or deswhere in labeling, (2) for which a drug cause varies remote, (3) which were so general as to be uninformative, (4) which were not considered to have significant clinical 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 Body as a Whole - Frequent: chills; Infrequent: suicide attempt; Rare: acute abdominal syndrome, photosensitivity reaction.

Cardiovascular System - Frequent: palpitation; Infrequent: arrhythmia, hypotension Digestive System — Infrequent: dysphagia, gastriffs, gastroenteritis, melena, stomach ulter, Rare: bloody diarrhea, duodenal ulter, esophageal ulter, gastrointestinal hemorrhage, hematemesis, hepatitis, peptic ulter, stomach ulter hemorrhage.

Hemic and Lymphatic System - Infrequent: ecchymosis: Rare: petechia, purpura.

Investigations — Frequent: QT interval prolongation (QT_cF \geq 450 msec)³. Nervous System — Frequent: emotional lability; Infrequent: akathisia, ataxia, balance disorder¹, bruxism¹, buccoglossal syndrome, depersonalization, euphoria, Respiratory System - Rare: larynx edema.

Skin and Appendages - Infrequent: alopecia; Rare: purpuric rash. Special Senses — Frequent: taste perversion; Infrequent: mydriasis.

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 received fluoxetine.

² Group term that includes individual MedDRA terms: cervix hemorrhage uterine, dysfunctional uterine bleeding, genital hemorrhage, menometrorrhagia, menorrhagia, metrorrhagia, polymenorrhea, postmenopausal hemorrhage, uterine hemorrhage, vaginal hemorrhage. Adjusted for gender 3 QT prolongation data are based on routine ECG measurements in clinical trials

6.3 Postmarketing Experience

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 relationship to drug exposure

Untertain \$22, it is amicuit to reliably estimate ment requency or evaluate a coust relationship to rule exposure.

Voluntary reports of adverse reactions temporally associated with flousetine that how been received since market introduction and that may have no causal relationship with the drug include the following: oplastic anemia, atrial fibrillation!, cataract, cerebrowscular accident!, cholestatic joundice, dyskinesia (including, for example, a case of buccal-lingual-masticatory syndrome with involuntary tongue protrusion reported to develop in a 77-year-old female defer 5 weeks of fluozetine therapy and which completely resolved over the next few months following drug discontinuation), essinophilic pneumonial, epidermal necrolysis, erythema multiforme, erythema nodosum, exfoliative dermalitis, galactorhea, gynecomastia, beard arrest!, hepetif failure, memory impairment, movement disorders developing in potients with risk footors including drugs associated with such rectains and worsning of preexisting movement disorders of the available progregative incorporation in progregative disorders in purposes absolute and progregative disorders in progregative approach progregative. novement disorders, optic neuritis, pancreatitis¹, pancytopenia, pulmonary embolism, pulmonary hypertension, QT prolongation, Stevens-Johnson syndrome, thrombocytopenia¹, thrombocytopenic purpura, ventricular tachycardia (includina torsade de pointes-type arrhythmias), vaginal bleedina, and violent behaviors¹

These terms represent serious adverse events, but do not meet the definition for adverse drug reactions. They are included here because of their seriousness. To report SUSPECTED ADVERSE REACTIONS contact AvKARE, Inc. at 1-855-361-3993; email drugsafety@avkare.com; or FDA at 1-800-FDA-1088 or

As with all drugs, the potential for interaction by a variety of mechanisms (e.g., pharmacodynamic, pharmacokinetic drug inhibition or enhancement, etc.) is a

[See Dosage and Administration (2.9, 2.10), Contraindications (4.1), and Warnings and Precautions (5.2).]

7.2 CNS Acting Drugs

Printed Dashed Line —

ower initial doses of the concomitantly administered drugs, using conservative litration schedules, and monitoring of clinical status [see Clinical Pharmacology (12.3)]. In subjects with cirrhosis of the liver, the clearances of fluozetine and its active metabolite, norfluozetine, were decreased, thus increasing the elimination half-lives of 7.3 Serotonergic Drugs [See Dosage and Administration (2.9, 2.10), Contraindications (4.1), and Warnings and Precautions (5.2).]

7.4 Drugs That Interfere With Hemostasis (e.g., NSAIDS, Aspirin, Warfarin)

7.4 Drugs That Interfere With Hemostasis (e.g., NSAIDS, Aspirin, Wartarin)

Serotonin release by platelets plays an important role in hemostasis. Epidemiological studies of the case-control and cohort design that have demonstrated an association between use of psychotropic drugs that interfere with serotonin release by platelets plays an important role in hemostasis. Epidemiological studies of the case-control and cohort design that have demonstrated an association between use of psychotropic drugs that interfere with serotonin release by platelets plays an important role place and the occurrence of upper gastrointestinal bleeding, have been reported when SNRIs or SSRIs are coordinainstered with warfarin. Patients receiving warfarin therapy should be carefully monitored when fluoxetine e and recount of SSRIs are coordinainstered with warfarin. Patients receiving warfarin therapy should be carefully monitored when fluoxetine is initiated or discontinued [see Warnings and Procount of SSRIs are coordinainstered with warfarin. Patients receiving warfarin therapy should be carefully monitored when fluoxetine e and placebo have shown fluoxetine 20 mg and

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

7.6 Potential for Other Drugs to Affect Fluoxetin Drugs Tightly Bound to Plasma Proteins — Because fluoxetine is tightly bound to plasma proteins, adverse effects may result from displacement of protein-bound

7.7 Potential for Fluoxetine to Affect Other Drugs licated. Pimozide can prolong the QT interval. Fluoxetine can increase the level of pimozide through
symptoms associated with non-fatal overdosage were seizures, somolence, nousea, bothycardia, and vamiling. The largest both on more proposed in the proposed of the propo Pimozide — Concomitant use in patients taking pimozide is coi inhibition of CYP2D6. Fluoxetine can also prolong the QT interval. Clinical studies of pimozide with other antidepressants demonstrate an increase in drug interaction or in adult patients was 8 grams in a patient who took fluoxetine alone and who subsequently recovered. However, in an adult patient who took fluoxetine alone, an QT prolongation. While a specific study with pimozide and fluoxetine has not been established.

re predominantly metabolized by the CYP2D6 system and that have a relatively narrow therapeutic index (see list below) should be initiated at the low end of the does range if a patient is receiving fluoretine concurrently or has taken it in the previous 5 weeks. Thus, his free doing requirements resemble those of poor metobolizers. If fluoretine is added to the treatment regimen of a patient already receiving a drug metobolized by CYP206, the need for decreased dose of the origina editorion should be considered. Drugs with a narrow therapeutic index represent the greatest concern (e.g., flectainide, propafenone, vinibastine, and TCAs). Due to medication should be considered. Drugs with a narrow therapeutic index represent the greatest concern (e.g., flectainide, propafenone, vinibastine, and TCAs). Due to medication should be considered. Drugs with a narrow therapeutic index represent the greatest concern (e.g., flectainide, propafenone, vinibastine, and TCAs). Due to concentration seen in humans toking 80 mg/day, chronically.

Benzodiazepines — The half-life of concurrently administered diazepam may be prolonged in some patients [see Clinical Pharmacology (12.3)]. Coadi

alprazolam and fluoxetine has resulted in increased alprazolam plasma concentrations and in further psychomotor performance decrement due to increased

Anticonvulsants — Patients on stable doses of phenytoin and carbamazepine have developed elevated plasma anticonvulsant concentrations and clinical anticonvulsan

Lithium — There have been reports of both increased and decreased lithium levels when lithium was used concomitantly with fluoxetine. Cases of lithium toxicity and

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

Do not use fluoxetine in combination with thioridazine or pimozide. Use fluoxetine with caution in combination with other druas that cause QT prolongation. These

tration of fluoxetine [see Contraindications (4.2), Warnings and Precautions (5.11), Drug Interactions (7.7), and Clinical Pharm

Pregnancy Category C — Fluoxetine should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus. All pregnancies have a background risk of birth defects, loss, or other adverse outcome regardless of drug exposure.

Treatment of Pregnant Women During the First Trimester — There are no adequate and well-controlled clinical studies on the use of fluoxetine in pregnant women.

prospective cohort study conducted by the European Network of Teratology Information Services reported an increased risk of cardiovascular malformations in infant

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) throughou

rganogenesis. However, in rat reproduction studies, an increase in stillborn pups, a decrease in pup weight, and an increase in pup deaths during the first 7 day

postpartum 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 th MRHD on a mg/m² basis) during gestation and lactation. There was no evidence of developmental neurotoxicity in the surviving offspring of rats treated with 1:

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.

norfluoxetine was 70.4 na/mL. The concentration in the mother's plasma was 295 na/mL. No adverse effects on the infant were reported. In another case, an infant

Because fluoxetine is excreted in human milk, nursing while on fluoxetine is not recommended. In one breast-milk sample, the concentration of fluoxetine plus

The safety and effectiveness in pediatric patients < 8 years of age in Major Depressive Disorder and < 7 years of age in OCD have not been established

onsequently, regular monitoring for the occurrence of mania/hypomania is recommended.

versibility of fluoxetine-induced muscle damage was not assessed.

8.6 Hepatic Impairment

10.1 Human Experience

9 DRUG ABUSE AND DEPENDENCE

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

Manic reaction, including mania and hypomania, was reported in 6 (1 mania, 5 hypomania) out of 228 (2.6%) fluoxetine-treated patients and in 0 out of 190 (0%) placebo-treated patients. Mania/hypomania led to the discontinuation of 4 (1.8%) fluoxetine-treated patients from the acute phases of the 3 studies combined.

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 trea

in a clinical trial, pediatric subjects treated with fluoxetine gained an average of 1.1 cm less in height and 1.1 kg less in weight than subjects treated with placebo. In

addition, fluoxetine treatment was associated with a decrease in alkaline phosphatase levels. The safety of fluoxetine treatment for pediatric patients has not been

remia in elderly patients, who may be at areater risk for this adverse reaction (see Warninas and Precauti

Clinical studies of olanzapine and fluoxetine in combination did not include sufficient numbers of patients \geq 65 years of age to determine whether they respond

Worldwide exposure to fluoxetine hydrochloride is estimated to be over 38 million patients (circa 1999). Of the 1578 cases of overdose involving fluoxetine

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 gait, 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

hydrochloride, alone or with other drugs, reported from this population, there were 195 deaths

The acute adverse reaction profiles observed in the 3 studies (N = 418 randomized; 228 fluoxetine-treated, 190 placebo-treated) were generally similar to that

When using fluoxetine and olanzapine in combination, also refer to the Use in Specific Populations section of the package insert for Symbyax.

treating depression with an antidepressant. The decision can only be made on a case by case basis [see Dosage and Administ

ma/ka/day during gestation. The no-effect dose for rat pup mortality was 5 ma/ka/day (0.6 times the MRHD on a ma/m² basi

When using fluoxetine and olanzapine in combination, also refer to the Drug Interactions section of the package insert for Symbyax.

clearance. The magnitude of the impact of this factor is small in comparison to the overall variability between individual

Precautions (5.2) and Clinical Pharmacology (12.3)].

and therefore dose modification is not routinely recommended

7.8 Drugs that Prolong the QT Interval

8 USE IN SPECIFIC POPULATIONS

8.2 Labor and Delivery

8.3 Nursing Mothers

armacology (12.3)].

phenothiazines and most atypicals), and antiarrhythmics (e.g., propofenone, flecainide, and others) should be approached with caution. Therapy with medications that The oral median lethal dose in rats and mice was found to be 452 and 248 mg/kg, respectively. Acute high oral doses produced hyperirritability and convulsions in

with fluoxetine or within a minimum of 5 weeks offer fluoxetine has been discontinued [see Controindications (4.2)].

Iricyclic Antidepressants (TCAs) — In 2 studies, previously stable plasma levels of impramine and designamine have 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 does of TCAs may need to be reduced.

10.3 Management of Overdose For current information on the management of fluoxetine overdose, contact a certified poison control center (1-800-222-1222 or www.poison.org). Treatment should

consist of those general measures employed in the management of overdosage with any drug. Consider the possibility of multi-drug overdos Ensure an adequate airway, oxygenation, and ventilation. Monitor cardiac rhythm and vital signs. Use general supportive and symptomatic measures. Induction of

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 antidates for fluoxetine are known.

A specific coution involves patients who are taking or have recently taken fluoxetine and might ingest excessive quantities of a T.C.A. In such a case, accumulation of the

eased serotonergic effects have been reported. Lithium levels should be monitored when these drugs are administered concomitantly [see Warnings and Precautions For specific information about overdosage with olanzapine and fluoxetine in combination, refer to the Overdosage section of the Symbyax package insert.

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 Fluoxetine Capsules USP are a selective serotonin reuptake inhibitor for oral administration. They are also marketed for the treatment of premanstrual dusahar Drugs Metabolized by CYP3A4 — In an in vivo interaction study involving coadministration of fluoxetine with single doses of terfenadine (a CYP3A4 substrate), no

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 astemizole, cisapride, and midazolam. These data indicate that fluoxetine's extent of O—CHCH2CH2NHCH3 • HCI

C17H18F3NO • HCl M.W. 345.79 Fluoxetine hydrochloride, USP is a white to off-white crystalline solid with a solubility of 14 mg/mL in water.

Each capsule contains fluxestine hydrochloride, USP equivalent to 40 mg (192.9 gmal) of fluxestine. In addition, the capsules also contain the following inactive ingredients: colloids listino dioxide, prepelantized corn starch, and simethicane. The capsule shell contains DAC Red #28, DAC Vellow #10, FDAC Blue #2, FDAC Blue #3, FDAC Blue include: specific antipsychotics (e.g., ziprasidone, lolperidone, chlorpromazine, mesoridazine, droperidol); specific antibiotics (e.g., arythromycin, gatifloxacin, moxifloxacin, sporfloxacin); Class II antiarrhythmic (e.g., arythromycin, gatifloxacin, percainamide); Class III antiarrhythmic (e.g., amiodrome, sotalol); and others (e.g., pentamidine, levomethodyl acetate, methodone, halofantrine, mefloquine, dolosetron mesylate, producol or tacrolimus). Fluozetine is primarily metabolized by CYP206. Concomitant treatment with CYP206 inhibitors can increase the concentration of fluozetine. Concomitant use of other highly protein-bound drugs can increase This product meets USP Dissolution Test 2

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 uptake of serotoning

12.2 Pharmacodynamics Studies at clinically relevant doses in man have demonstrated that fluoxetine blocks the uptake of serotonin into human platelets. Studies in animals also suggest that fluoxetine is a much more potent uptake inhibitor of serotonin than of norepinephrine

Antagonism of muscarinic, histaminergic, and Cu₁-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 Results of a number of published epidemiological studies assessing the risk of fluoxetine exposure during the first trimester of pregnancy have demonstrated inconsistent results. More than 10 cohort studies and case-control studies failed to demonstrate an increased risk for congenital malformations overall. However, one vitro than do the tricyclic drugs.

12.3 Pharmacokinetics Systemic Bioavailability — In man, following a single oral 40 mg dose, peak plasma concentrations of fluoxetine from 15 to 55 ng/mL are observed after 6 to 8 hours.

Store at 20° to 25°C (68° to 77°F) [See USP Controlled Room Temperature]. The capsule, tablet, and oral solution dosage forms of fluoxetine are bioequivalent. Food does not appear to affect the systemic bioavailability of fluoxetine, although it

Protect from light.

may delay its absorption by 1 to 2 hours, which is probably not clinically significant. Thus, fluoxetine may be administered with or without food. Protein Binding — Over the concentration range from 200 to 1000 ng/mL, approximately 94.5% of fluoxetine is bound in vitro to human serum proteins, including albumin and cx1-glycoprotein. The interaction between fluoxetine and other highly 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 enantiomers are specific and potent serotonin uptake inhibitors with essentially equivalent pharmacologic activity. The S-fluoxetine enantiomer is eliminated more slowly and is the predominant

births in the general population and is associated with substantial neonatal morbidity and mortality. Several recent epidemiological studies suggest a positive statistical association between SSR1 use (including fluoxetine) in pregnancy and PPHN. Other studies do not show a significant statistical association.

Metabolism — Fluoxetine is extensively metabolized in the liver to norfluoxetine and a number of other unidentified metabolites. The only identified active metabolite, norfluoxetine, is formed by demethylation of fluoxetine. In animal models, Snorfluoxetine is a potent and selective inhibitor of serotonin uptake and has activity ssentially equivalent to R-or S-fluoxetine. R-norfluoxetine is significantly less potent than the parent drug in the inhibition of serotonin uptake. The primary route of imination appears to be hepatic metabolism to inactive metabolites excreted by the kidney.

Variability in Metabolism — A subset (about 7%) of the population has reduced activity of the drug metabolizing enzyme cytochrome P450 2D6 (CYP2D6). Such individuals are referred to as "poor metabolizers" of drugs such as debrisoquin, dextremethorphan, and the TCAs. In a study involving labeled and unlabeled enantioners administered as a recenate, these individuals metabolized 5-fluoxetine at a slover and thus achieve from the contentrations of 5-fluoxetine. Consequently, concentrations of 5-fortfluoxetine at slover. The metabolism of 8-fluoxetine at slover and pages are made and the support and the species of the species and the species of the sp with normal metabolizers, the total sum at steady state of the plasma concentrations of the 4 active enantiomers was not significantly greater among p metabolizers. Thus, the net pharmacodynamic activities were essentially the same. Alternative, nonsaturable pathways (non-206) also contribute to the metabolism of fluoxetine. This explains how fluoxetine achieves a steady-state concentration rather than increasing without limit.

Accumulation and Slow Elimination — The relatively slow elimination of fluoxetine (elimination half-life of 1 to 3 days after acute administration and 4 to 6 days after chronic administration) and its active metabolite, norfluoxetine (elimination half-life of 4 to 16 days after acute and chronic administration), leads to significant accumulation of these active species in chronic use and delayed attainment of steady state, even when a fixed dose is used [see Warnings and Precautions (5.14)]. After 30 days of dosing at 40 mg/day, plasma concentrations of fluoxetine in the range of 91 to 302 ng/mL and norfluoxetine 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. Norfluoxetine, however, openers to have linear pharmacokinetics. Its mean terminal half-life after a single dose was 8.6 days and after multiple dosing was 9.13. Secondin Syndrome Patients should be cautioned as

The long elimination half-lives of fluxestine and norfluxestine assure that, even when dosing is stopped, active drug substance will persist in the body for weeks (primarily depending on individual patient characteristics, previous dosing regimen, and length of previous therapy at discontinuation). This is of potential consequence when drug discontinuation is required or when drugs are prescribed that might interact with fluxestine and norfluxestine following the discontinuation of fluxestine. 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. Use of fluoxetine in children — The efficacy of fluoxetine for the treatment of Major Depressive Disorder was demonstrated in two 8 to 9 week placebo-controlled clinical trials with 315 pediatric outpatients ages 8 to ≤ 18 [see Clinical Studies (14.1)].

Liver Disease — As might be predicted from its primary site of metabolism, liver impairment can affect the elimination of fluoxetine. The elimination half-life of fluoxetine was prolonged in a study of cirrhotic patients, with a mean of Ž.6 days compared with the range 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 suggests that the use of fluoxetine in patients with liver disease must be approached with caution. If fluoxetine is administered to patients with liver disease, a lower less frequent dose should be used [see Dasage and Administration (2.7), Use in Specific Populations (8.6)].

Renal Disease — In depressed patients on dialysis (N = 12), fluoxetine administered as 20 mg once daily for 2 months produced steady-state fluoxetine and norfluoxetine plasma concentrations comparable with those seen in patients with normal renal function. While the possibility exists that renally excreted metabolites of bserved in adult studies with fluoxetine. The longer-term adverse reaction profile observed in the 19 week Major Depressive Disorder study (N = 219 randomized; 109 luoxetine-treated, 110 placebo-treated) was also similar to that observed in adult trials with fluoxetine (see Adverse Reactions (6.1)). ioxetine may accumulate to higher levels in patients with severe renal dysfunction, use of a lower or less frequent dose is not routinely necessary in renally impairer

> younger normal subjects. However, given the long half-life and nonlineral disposition of the drug, a single-does study is not adequate to rule out the possibility of altered pharmacokinetics in the elderly, particularly if they have systemic illness or are receiving multiple drugs for contained discusses. The effects of age upon the metabolism of fluxustine have been investigated in 260 elderly but otherwise healthy depressed patients; Ce 60 years of age to received 20 mg through the contained fluxustine have been investigated in 260 elderly but otherwise healthy depressed patients; Ce 60 years of age to received 20 mg through the contained fluxustine for the depressed patients; Ce 60 years of age to receive 20 mg through the contained fluxustine plus norfluxustine plus more contained fluxustine for developed the contained fluxustine fluxustine plus norfluxustine plus more contained fluxustine fluxustine plus norfluxustine plus more contained fluxustine fluxustine plus norfluxustine plus more contained fluxustine fluxu reactions was observed in those elderly patients.

systematically assessed for chronic freatment longer than several mounths in duration. In particular, there are no studies that directly evaluate the longer-term effects of fluoxetine on the growth, development and muturation of children and adolescent patients. Therefore, height and weight should be monitored periodically in pediatric patients receiving fluoxetine [see Warnings and Precourions (5.6)].

Pediatric Pharmacokinetics (children and adolescents) – Fluoxetine pharmacokinetics were evaluated in 21 pediatric patients [10 children ages 6 to < 13, 11 adolescents ones 13 to < 18) diagnosed with Major Depressive Disorder or Obsessive Compulsive Disorder of Obsessive Compulsive Disorder or Obsessive Compulsive Disorder or Obsessive Compulsive Disorder of Obsessive Compulsive Disorder or Obsessive Compulsive Disorder of Obsessive Compulsive Disorder of Obsessive Compulsive Disorder of Obsessive Compulsive Disorder of Obsessive Compulsive Disorder (OCD). Fluoxetine 20 mg/day was administered for up to 62 dolescents ones 13 to < 18) diagnosed with Major Depressive Disorder of Obsessive Compulsive Disorder (OCD). Fluoxetine 20 mg/day was administered for up to 62 dolescents ones of fluoxetine in these children were 2 to fold higher than in adolescents (171 and 86 ng/mL, respectively). The overage steady-state concentrations in these children were 1.5 fold higher than in adolescents (172 and 86 ng/mL, respectively). The overage steady-state concentrations in these children were 2 fold higher than in adolescents (172 and 86 ng/mL, respectively). The overage steady-state concentrations in these children were 1.5 fold higher th

Higher average steady-state fluoxetine and norfluoxetine concentrations were observed in children relative to adults; however, these concentrations 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 3 to 4 weeks of daily dosing. 13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Huoseine in a child or adolescent must balance the potential risks with the clinical need.

Animal Data — Significant toxicity on muscle lissue, neurobehaviar, reproductive organs, and bone development has been observed following exposure of juvenile rats to fluoxeine from weaning through maturity. Oral administration of fluoxeine to rats from weaning postnatal day 21 through adulthood day 90 at 3, 10, or 30 mg/kg/day was associated with testicular degeneration and necrosis, expensive and the properties of the Cardinogenities. The dietary administration of fluorestine to rats and mixe 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 mg/m² basis], produced no evidence of carcinogenicity. Mutagenicity — Fluoxefine and norfluoxefine 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 homster bone marrow cells. These fluxestine taxicities in juvenile rats have not been observed in adult animals. Plasma exposures (AUC) to fluxestine 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, respectively, the overage exposure in pediatric patients receiving the MRHD of 20 mg/day. Rat exposures to the major metabolite, norfluxestine, are approximately 0.3 to 0.8, 1 to 8, and 3 to 20 times, respectively, the pediatric exposure at the MRHD. Impairment of Fertility - Two fertility studies conducted in adult rats at doses of up to 7.5 and 12.5 mg/kg/day (approximately 0.9 and 1.5 times the MRHD on a

exetine [see Use in Specific Populations (8.4)]. 13.2 Animal Toxicology and/or Pharmacology

A specific effect on bone development was reported in juvenile mice administered fluoxetine by the introperitoneal route to 4 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 bone mineralization and density at both doses, but the overall growth (body weight gain or femur length) was not affected. Phospholipids are increased in some tissues of mice, rats, and dags given fluoxetine chronically. This effect is reversible after cessation of fluoxetine treatment.

Phospholipid accumulation in animals has been observed with many cationic amphiphilic drugs, including fenfluramine, imipramine, and ranitidine. The significance of Use of fluoxetine in combination with alanzagine in children and adolescents: Safety and efficacy of fluoxetine and alanzagine in combination in patients 10 to 17 years

S 14 CLINICAL STUDIES of age have been established for the acute treatment of depressive episodes associated with Bipolar I Disorder. Safety and effectiveness of fluoxetine and olanzapine in combination in patients less than 10 years of age have not been established. Efficacy for fluoxetine was established for the

Acute and maintenance treatment of Major Depressive Disorder in adults, and children and adolescents (8 to 18 years) in 7 short-term and 2 long-term, placebo-controlled trials [see Clinical Studies 14.1]. cute treatment of obsessions and compulsions in adults, and children and adolescents (7 to 17 years) with Obsessive Compulsive Disorder (OCD) in 3

Acute and maintenance treatment of binge-eating and vomiting behaviors in adult patients with moderate to severe Bulimia Nervosa in 3 short-term and 1 long-term, placebo-controlled trials [see Clinical Studies (14.3)]. hort-term placebo-controlled trials [see Clinical Studies (14.2)].

Acute treatment of Panic Disorder, with or without agoraphobia, in adult patients in 2 short-term, placebo-controlled trials [see Clinical Studies (14.4)]. Efficacy for fluoxetine and olanzapine in combination was established for the . Acute treatment of depressive episodes in Bipolar I Disorder in adults, and children and adolescents (10 to 17 years) in 3 short-term, placebo-controlled trials.

When using fluoxetine and olanzapine in combination, also refer to the Clinical Studies section of the package insert for Symbyax.

these substances. A lower or less frequent dose of fluxeatine should be used in potinist with circless. Cutolin is odvised when using fluxeatine in patients with disease or conditions that could affect its metabolism [see Dosage and Administration (2.7) and Clinical Pharmacology (12.4)].

Adult — The efficacy of fluoxetine was studied in 5 and 6 week placebo-controlled trials with depressed adult and geriatric outpatients (≥ 18 years of age) whose

A study was conducted involving depressed outpatients who had responded (modified HAMD-17 score of ≤ 7 during each of the last 3 weeks of open-label treatment and absence of Major Depressive Disorder by DSM-IIIR criteria) by the end of an initial II 2 week open-treatment phase on fluoxetine 20 mg/day. These patients (N = 298) were randomized to continuation on double-blind fluoxetine 20 mg/day or placebo. At 38 weeks (50 weeks total), a statistically significantly lower relapse rate (defined as symptoms sufficient to meet a diagnosis of Major Depressive Disorder for 2 weeks or a modified HAMD-17 score of \geq 14 for 3 weeks) was observed for patients taking fluoxetine compared with those on placebo.

Pediatric (children and adolescents) — The efficacy of fluoxetine 20 mg/day in children and adolescents (N = 315 randomized; 170 children ages 8 to < 13, 145 adolescents ages 13 to ≤ 18) was studied in two 8 to 9 week placebo-controlled clinical trials in depressed outpatients whose diagnoses corresponded most closely the DSM-III-R or DSM-IV category of Major Depressive Disorder.

In both studies independently, fluoxetine produced a statistically significantly greater mean change on the Childhood Depression Rating Scale-Revised (CDRS-R) total scare from baseline to endopint than did placebo.

In prolongion. While a specific study with pinnacide and fluosatine last only with pinnacide and fluosatine (2.1), Warnings and Precurions (5.11), and Drug Interactions (7.8).

In a study of 19 healthy male subjects, which included 6 slow and 13 rapid hydroxylators of debrisoquin, a single 25 mg and dose of thioridazine produced a 2.4 fold higher ALL four thioridazine and 4.5 fold higher ALL four thioridazine in the slow hydroxylators. The rate of debrisoquin hydroxylators in evel of thioridazine in the slow hydroxylators of the pinnacide pleasance with fluosatine evel of thioridazine.

Thioridazine depend on the level of CYP205 is corrected plasma levels of thioridazine.

Thioridazine deministration produces a dose-related prolongation of the CI increase with fluosatine experienced mannitation of the CI increase with fluosatine experienced mannitation of protections principles. Precision of the CI increase with fluosatine experienced mannitation of places pointers type crityrhminis, and subject on the realment of thuman overdose. However, animal experienced mannitation of places pointers the continuous of the CI increase with other drugs with an increase of the composition of the CI increase with fluosatine experienced mannitation of places pointers the continuous of the CI increase with fluosatine experienced mannitation of places pointers the continuous of the CI increase with fluosatine experienced mannitation of places pointers the continuous of the CI increase with fluosatine experienced mannitation of places pointers with continuous of the CI increase with fluosatine experienced mannitation of places pointers with continuous of the CI increase with fluosatine experienced mannitation of opproximately 4 to 6 units on the YBOCS total score, compared with a 1 unit reduction private, species of the continuous obs

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

f	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 of age or sex. Pediatric (children and adolescents) — In one 13 week clinical trial in pediatric patients (N = 103 randomized; 75 children ages 7 to < 13, 28 adolescents ages 13 to < 18) with COD (DSM-HV), patients received fluoxetine 10 mg/day for 2 weeks, 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 clinical response 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-BOCS).

Subgroup analyses on outcome did not suggest any differential responsiveness on the basis of age or gender.

14.3 Bullman Rervosa
The effectiveness of fluoxetine for the treatment of bullmin was demonstrated in two 8 week and one 16 week, multicenter, parallel group studies of adult outpatients meeting DSM-II-R criteria for bullmin. Patients in the 8 week studies received either 20 or 60 mg/day of fluoxetine or placebo in the morning. Patients in the 16 week study received a fixed fluoxetine dose of 60 mg/day (once a day) or placebo. Patients in these 3 studies, fluoxetine 60 mg, but not 20 mg, was statistically significantly superior to placebo in reducing the number of binge-enting and vomiting episodes per week. The statistically significantly superior effect of 60 mg years supplicated was present as early as Week 1 and persisted throughout each study. The fluoxetine-related reduction in bullmic episodes appeared to be independent of baseline depression as assessed by the Hamilton Depression Rating Scale. In each of these 3 studies, the treatment effect, as measured by differences between fluoxetine 60 mg and allocates on median reduction from baseline in requency of bullmin behaviors at endopoint ranged from 2 persisted superior floaters. uoxetine 60 mg and placebo on median reduction from baseline in frequency of bulimic behaviors at endpoint, ranged from 1 to 2 episodes per week for nge-eating and 2 to 4 episodes per week for vomiting. The size of the effect was related to baseline frequency, with greater reductions seen in patients with higher

reduction in the frequency of binge-eating and purging. reauction in the frequency of bringe-senting and purging.

In a langer-term trial, 150 patients meeting DSM-V 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 60 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 beseline. Relapse during the double-blind phase was defined as a persistent return to baseline vomiting frequency or physician judgment that the potient had relapsed. Patients receiving continued fluoxetine 60 mg/day experienced a significantly longer time to relapse over the subsequent 52 weeks compared with those receiving placebo.

line frequencies. Although some patients achieved freedom from binge-eating and purging as a result of treatment, for the majority, the benefit was a parti

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 fro panic attacks at endpoint than placebo-treated patients, 42% versus 28%, respectively.

Study 2 (N = 214 randomized) was a 12 week flexible-dose study. Fluventine was initiated at 10 mg/day for the first week, after which patients were dosed in a 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 placebo-treated patients, 62% versus 44%, respectively. 16 HOW SUPPLIED/STORAGE AND HANDLING

16.1 How Supplied Fluoxetine Capsules USP, 40 mg contain fluoxetine hydrochloride, USP equivalent to 40 mg fluoxetine, and are available as hard gelatin capsules with a blue cap and arrange body. The body of the #2 capsule is imprinted "7198" and the cap is imprinted "TEVA."

NDC 42291-398-01 packaged in bottles of 100 capsules NDC 42291-398-50 packaged in bottles of 500 capsules 16.2 Storage and Handling

Dispense in a tight, light-resistant container as defined in the USP, with a child-resistant closure (as required). KEEP THIS AND ALL MEDICATIONS OUT OF THE REACH OF CHILDREN.

17 PATIENT COUNSELING INFORMATION See the FDA-approved Medication Guide. Patients should be advised of the following issues and asked to alert their prescriber if these occur while taking fluoxetine as monotherapy or in combination with

lanzapine. When using fluoxetine and olanzapine in combination, also refer to the Patient Counseling Information section of the package insert for Symb Healthcare providers should instruct their patients to read the Medication Guide before starting therapy with fluoxetine capsules and to reread it each time the

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 contents. Patients should be given the opportunity to discuss the contents of the Medication Guide and to obtain answers to any questions they may have. Patients should be advised of the following issues and asked to alert their healthcare provider if these occur while taking fluoxetine capsule

When using fluoxetine and olanzapine in combination, also refer to the Medication Guide for Symbyax. 17.2 Suicidal Thoughts and Behaviors in Children, Adolescents, and Young Adults Patients, their families, and their careaivers should be encouraged to be alert to the emergence of anxiety, agitation, pagic attacks, insomnia, irritability, hostility

aggressiveness, impulsivity, akathisia (psychomotor restlessness), hypomania, mania, other unusual changes in behavior, worsening of depression, and suicidal ideation, especially early during antidepressant treatment and when the dose is adjusted up or down. Trantilies and caregivers of patients should be a devised to look for the emergence of such symptoms on a day-to-day bacis, since changes may be abrupt. Duch symptoms should be reported to the potential's prescriber or helders. 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 creased risk for suicidal thinking and behavior and indicate a need for very close monitoring and possibly changes in the medication (see Box Warning and Warning

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, tryptophan, buspirone, amphetamines, and St. John's Wort [see Contraindications (4.1), Warnings and Precautions (5. 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., tochycardia, labile blood pressure, disziness, diaphoresis, flushing, hyperthermia), neuromuscular changes (e.g., tremor, rigidity, myoclanus, hyperrellexia, incoordination), seizures, and/or gastrointestinal symptoms (e.g., nausea, vomiting, diarrhea). Patients should be caut to seek medical care immediately if they experience these symptoms. 17.4 Allergic Reactions and Rash 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 swelling of the face, eyes, or mouth, or have trouble breathing. Patients should be cautioned to see

Patients should be cautioned about the concomitant use of fluoxetine and NSAIDs, aspirin, warfarin, or other drugs that affect caggulation since combined use of sychotropic drugs that interfere with serotonin reuptake and these agents have been associated with an increased risk of bleeding [see Warnings and Precautic 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

17.6 Angle-Closure Glaucomo

nedical care immediately if they experience these symptom:

Presxisting glaucoma is almost always open-angle glaucoma because angle-closure glaucoma, when diagnosed, can be treated definitively with iridectomy. Open-angle glaucoma is not a risk factor for angle-closure glaucoma. Patients may wish to be examined to determine whether they are susceptible to angle closure, and have a prophylocal ignocedure (e.g., iridectomy), if they are susceptible [see Warnings and Precountons (5.8)]. erences can be almost Patients should be advised that hyponatremia has been reported as a result of treatment with SNRIs and SSRIs, including fluoxetine. Sians and symptoms of hyponatremia include headache, difficulty concentrating, memory impairment, confusion, weakness, 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 [see Warnings and Precautions (5.91].

17.8 QT Prolongation

Fluoxetine may impair judgment, thinking, or motor skills. Patients should be advised to avoid driving a car or operating hazardous machinery until they are easonably certain that their performance is not affected [see Warnings and Precautions (5.13)] 17.10 Use of Concomitant Medications

Patients should be advised to inform their physician if they are taking, or plan to take, any prescription medication, including Symbyax® (olanzapine and fluoxetine hydrochloride capsules), Sarafem® (fluoxetine capsules), or over-the-counter drugs, including herbal supplements or alcohol. Patients should also be advised to infort 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

e advised that they should not alter their dosing regimen, or stop taking fluoxetine without consulting their physician [see Warnings and Precautions (5.15)]. Patients hould be advised to consult with their healthcare provider if their symptoms do not improve with fluoxetine. Pregnancy — Patients should be advised to notify their physician if they become pregnant or intend to become pregnant during therapy. Fluoxetine should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus [see Use in Specific Populations (8.1)]. Nursing Mothers — Patients should be advised to notify their physician if they intend to breastfeed an infant during therapy. Because fluoxetine is excreted in human

milk, nursing while taking fluoxetine is not recommended [see Use in Specific Populations (8.3)]. Pediatric Use of Fluoxetine - 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)]. been established for the acute treatment of depressive episodes associated with Bipolar I Disorder [see Warnings and Precautions (5.16) and Use in Specific Population:

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Mfg. Rev. AK 04/17

ee Warnings and Precautions (5.11)].

17.9 Potential for Cognitive and Motor Impairment

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