

years) with median exposure of 56 days, the mean change in fasting glucose in aripiprazole-treated patients (-0.2 mg/dL; N=83) was not weeks, the mean change in z-score was 0.09 SD. significantly different than in placebo-treated patients (-0.6 mg/dL; N=33).

PRODUCT NAME :	Aripiprazole Tablets	COUNTRY: US	LOCATION:			Supersedes A/W No.:		
ITEM / PACK :	Outsert	NO. OF COLORS: 1	REMARK:					V. No. : 01
DESIGN STYLE :	Front Side	PANTONE SHADE	SUBSTRATE : 28	8 g/m2 Bible Pape	ır			
CODE :	8096013	Black	Activities	Department	Name		Signature	Date
DIMENSIONS (MM) :	760 x 510		Prepared By	Pkg. Dev.				
ART WORK SIZE :	S/S		Reviewed By	Pkg. Dev.				
DATE :	17-12-2024	Font Size 6 pt_Medi 10 pt	Approved By	Quality				

Note: Pharma code/ Bar code and adjacent text must be visible on folded leaflet. These details can be moved by printed to arrange pharma code/ Bar code and adjacent text visible on folded leaflet.

HIGHLIGHTS OF PRESCRIBING INFORMATION These highlights do not include all the information needed to use ARIPIPRAZOLE TABLETS safely and effectively. See full prescribing information for ARIPIPRAZOLE TABLETS. ARIPIPRAZOLE tablets, for oral use Initial U.S. Approval: 2002

WARNING: INCREASED MORTALITY IN ELDERLY PATIENTS WITH DEMENTIA-RELATED PSYCH and SUICIDAL THOUGHTS AND BEHAVIORS WITH ANTIDEPRESSANT DRUGS and warn patients with known cardiovascular or cerebrovascular Elderly patients with dementia-related psychosis treated with antipsychotic drugs are at an increased risk of death Aripiprazole is not approved for the treatment of patients with dementia-related psychosis. (5.1) Increased risk of suicidal thinking and behavior in children, adolescents, and young adults taking antidepressants. Monitor for worsening and emergence of suicidal thoughts

---INDICATIONS AND USAGE-Aripiprazole tablets are an atypical antipsychotic. The oral Schizophrenia (14.1)

Acute Treatment of Manic and Mixed Episodes associated with Bipolar I (14.2)
Adjunctive Treatment of Major Depressive Disorder (14.3) Irritability Associated with Autistic Disorder (14.4)

Commonly observed adverse reactions (incidence ≥5% and at
least twice that for placebo) were (<u>6.1</u>):
 Adult patients with schizophrenia: akathisia Pediatric patients (13 to 17 years) with schizophrenia: extrapyramidal disorder, somnolence, and tremor
 Adult patients (monotherapy) with bipolar mania: akathisia, sedation, restlessness, tremor, and extrapyramidal disorder Adult patients (adjunctive therapy with lithium or valproate) with
 bipolar mania: akathisia, insomnia, and extrapyramidal disórder Pediatric patients (10 to 17 years) with bipolar mania: somnolence, extrapyramidal disorder, fatigue, nausea, akathisia,
 blurred vision, salivary hypersecretion, and dizziness Adult patients with major depressive disorder (adjunctive treatment to antidepressant therapy): akathisia, restlessness,
insomnia, constipation, fatigue, and blurred vision • Pediatric patients (6 to 17 years) with autistic disorder: sedation, fatigue, vomiting, somnolence, tremor, pyrexia, drooling,
decreased appetite, salivary hypersecretion, extrapyramidal disorder, and lethargy • Pediatric patients (6 to 18 years) with Tourette's disorder: sedation, somnolence, nausea, headache, nasopharyngitis, fatigue, increased appetite • Adult patients with agitation associated with schizophrenia or
bipolar mania: nausea To report SUSPECTED ADVERSE REACTIONS, contact Torrent Pharma Inc. at 1-800-912-9561 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch
Dosage adjustment due to drug interactions (7.1):

Tourette's disorder – Patients < 2 mg/ day 5 mg/day 10 mg/day Patients ≥ 2 mg/ 50 kg day 10 mg/day 20 mg/day Oral formulations: Administer once daily without regard to meals (2)
 Known CYP2D6 poor metabolizers: Half of the usual dose (2.7) ---DOSAGE FORMS AND STRENGTHS--- Tablets: 2 mg, 5 mg, 10 mg, 15 mg, 20 mg, and 30 mg (3) ----CONTRAINDICATIONS---Known hypersensitivity to aripiprazole (4)

-----WARNINGS AND PRECAUTIONS--cerebrovascular adverse reactions (e.g., stroke, transient ischemic attack, including fatalities) (5.2)

Neuroleptic Malignant Syndrome: Manage with immediate discontinuation and close monitoring (5.4)

Tardive Dyskinesia: Discontinue if clinically appropriate (5.5)

Metabolic Changes: Alypical antipsychotic drugs have been associated with metabolic changes that include hyperglycemia/ diabetes mellitus, dyslipidemia, and body weight gain (5.6)

WARNING: INCREASED MORTALITY IN ELDERLY PATIENTS WITH INDICATIONS AND USAGE DOSAGE AND ADMINISTRATION Bipolar I Disorder Adjunctive Treatment of Major Depressive Disorder

Tourette's Disorder

Dosage Adjustments for Cytochrome P450 Consideratio Dosing of Oral Solution OSAGE FORMS AND STRENGTHS CONTRAINDICATIONS
WARNINGS AND PRECAUTIONS Increased Mortality in Elderly Patients with Dementia-Related Psychosis Cerebrovascular Adverse Events, Including Stroke Suicidal Thoughts and Behaviors in Children, Adoles and Young Adults
Neuroleptic Malignant Syndrome (NMS)
Tardive Dyskinesia

Metabolic Changes Pathological Gambling and Other Compulsive Behaviors Leukopenia, Neutropenia, and Agranulocytosis
Seizures/Convulsions
Potential for Cognitive and Motor Impairment 13 Body Temperature Regulation

Clinical Trials Experience Postmarketing Experience 7 DRUG INTERACTIONS laving Clinically Important Interactions with 7.2 Drugs Having No Clinically Important Interactions with

FULL PRESCRIBING INFORMATION

[see Warnings and Precautions (5.3)].

DOSAGE AND ADMINISTRATION

2.3 Adjunctive Treatment of Major Depressive Disorder

<u>Pediatric Patients (6 to 18 years)</u>
The recommended dosage range for Tourette's Disorder is 5 to 20 mg/day.

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

2.4 Irritability Associated with Autistic Disorder

2.5 Tourette's Disorder

INDICATIONS AND USAGE

ult patients with major depressive disorder (adjunctive inia, constipation, fatigue, and biurred vision tric patients (6 to 17 years) with autistic disorder: sedation, igue, vomiting, somnolence, tremor, pyrexia, drooling, 5.1 Increased Mortality in Elderly Patients with Dementia-Related Psychosi ased appetite, salivary hypersecretion, extrapyramidal attric patients (6 to 18 years) with Tourette's disorder: not approved for the treatment of patients with dementia-related psychosis [see <u>Boxed Warning</u>].

nausea, headache, nasopharyngitis, Safety Experience in Elderly Patients with Psychosis Associated with Alzheimer's Disease It patients with agitation associated with schizophrenia or In three, 10 week, placebo-controlled studies of aripiprazole in elderly patients with psychosis associated with Alzheimer's disease (n=938; Table 9: Changes in Blood Lipid Parameters from Placebo-Controlled Monotherapy Trials in Adults ipolar mania: nausea

preport SUSPECTED ADVERSE REACTIONS, contact Torrent
harma Inc. at 1-800-912-9561 or FDA at 1-800-FDA-1088 or
harma Inc. at 1-800-912-9561 or FDA at 1-800-FDA-1088 or -----DRUG INTERACTIONSadjustment due to drug interactions (7.1) Known CYP2D6 Poor Administer half of usual dose Administer a quarter of Metabolizers and strong usual dose CYP3A4 inhibitors Administer half of usual dose

in patients with and at risk for diabetes (5.6)

Dyslipidemia: Undesirable alterations in lipid levels have bee

Weight Gain: Weight gain has been observed with atypical

antipsychotic use. Monitor weight (<u>5.6)</u>

nological Gambling and Other Compulsive Behaviors:
sider dose reduction or discontinuation (5.7)

thostatic Hypotension: Monitor heart rate and blood pressure

Potential for Cognitive and Motor Impairment: Use caution when

operating machinery (5.12)
Suicide: The possibility of a suicide attempt is inherent in

schizophrenia and bipolar disorder. Closely supervise high-risk

---ADVERSE REACTIONS----

patients <u>(5.14)</u>

lisease, and risk of dehydration or syncope (5.8)

CYP3A4 inhibitors (e.g., itraconazole, clarithromycin)

inhibitors (e.g., itraconazole, clarithromycin)

Table 3:

2 mg

10 mg

30 mg

CONTRAINDICATIONS

rong CYP2D6 (e.g., quinidine, fluoxetine, paroxetine) or CYP3A4

th antipsychotics including aripiprazole. Patients when adjunctive aripiprazole is administered to patients with major depressive disorder, aripiprazole should be administered without dosage or of a clinically significant low white blood cell adjustment as specified in <u>Dosage and Administration (2.3)</u>.

Ariningazole Tablet, USP Presentations

white to off-white

white to off-white

Strong CYP3A4 inducers (e.g., carbamazepine, rifampin)

Double usual dose over 1 to Strong CYP3A4 inducers ----USE IN SPECIFIC POPULATIONS---- Pregnancy: May cause extrapyramidal and/or withdrawal symptoms in neonates with third trimester exposure (8.1) See 17 for PATIENT COUNSELING INFORMATION and Medication

8	USE	IN SPECIFIC POPULATIONS
	8.1	Pregnancy
	8.2	Lactation
	8.4	Pediatric Use
	8.5	Geriatric Use
	8.6	CYP2D6 Poor Metabolizers
	8.7	Hepatic and Renal Impairment
	8.8	Other Specific Populations
9	DRU	G ABUSE AND DEPENDENCE
	9.1	Controlled Substance
	9.2	Abuse
	9.3	Dependence
10	OVE	RDOSAGE

10.1 Human Experience
10.2 Management of Overdosage
11 DESCRIPTION

CLINICAL PHARMACOLOGY

12.3 Pharmacokinetics
13 NONCLINICAL TOXICOLOGY

14.2 Bipolar Disorder

information are not listed.

WARNING: INCREASED MORTALITY IN ELDERLY PATIENTS WITH DEMENTIA-RELATED PSYCHOSIS and SUICIDAL THOUGHTS AND

BEHAVIORS WITH ANTIDEPRESSANT DRUGS

Elderly patients with dementia-related psychosis treated with antipsychotic drugs are at an increased risk of death. Aripiprazole

In patients of all ages who are started on antidepressant therapy, monitor closely for worsening, and for emergence of suicidal

houghts and behaviors. Advise families and caregivers of the need for close observation and communication with the prescriber

be recommended starting and target dose for aripiprazole is 10 or 15 mg/day administered on a once-a-day schedule without regard to

after 2 days, and a target dose of 10 mg/day after 2 additional days. Recommended dosing as adjunctive therapy to lithium or valproate is

<u>Pediatric Patients (6 to 17 years)</u>
The recommended dosage range for the treatment of pediatric patients with irritability associated with autistic disorder is 5 to 15 mg/day.

Dosing should be initiated at 2 mg/day. The dose should be increased to 5 mg/day, with subsequent increases to 10 or 15 mg/day if needed. Dose adjustments of up to 5 mg/day should occur gradually, at intervals of no less than one week [see Clinical Studies (14.4)]. Patients should be periodically reassessed to determine the continued need for maintenance treatment.

For patients weighing less than 50 kg, dosing should be initiated at 2 mg/day with a target dose of 5 mg/day after 2 days. The dose can be increased to 10 mg/day in patients who do not achieve optimal control of tics. Dosage adjustments should occur gradually at intervals of no less than one week.

2.7 Dosage Adjustments for Cytochrome P450 Considerations
Dosage adjustments are recommended in patients who are known CYP2D6 poor metabolizers and in patients taking concomitant CYP3A4 inhibitors or CYP2D6 inhibitors or Strong CYP3A4 inducers (see Table 2). When the coadministered drug is withdrawn from the combination therapy, aripiprazole dosage should then be adjusted to its original level. When the coadministered CYP3A4 inducer is withdrawn, aripiprazole

leo (ral Tablets are indicated for the treatment of: Schizophrenia Acute Treatment of Manic and Mixed Episodes associated with Bipolar I Disorder

Adjunctive Treatment of Major Depressive Disorde Irritability Associated with Autistic Disorder Treatment of Tourette's Disorder

Mechanism of Action

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility 13.2 Animal Toxicology and/or Pharmacology 14 CLINICAL STUDIES

3 Adjunctive Treatment of Major Depressive Disorde

6 fewer cases No suicides occurred in any of the pediatric trials. There were suicides in the adult trials, but the number was not sufficient to reach an It is unknown whether the suicidality risk extends to longer-term use, i.e., beyond several months. However, there is substantial evidence from placebo-controlled maintenance trials in adults with depression that the use of antidepressants can delay the recurrence of depression All patients being treated with antilogressants 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 years) with changes in total cholesterol (pooled from two placebo-controlled trials; median exposure 42 to 43 days)

The following symptoms, anxiety, agitation, panic attacks, insomnia, irritability, hostility, and pediatric patients heing treated with antidepressants for MDD as well

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

Body Temperature Regulation [see Warnings and Precautions (5.14]]

Suicide [see Warnings and Precautions (5.14]]

Dysphagia [see Warnings and Precautions (5.15)]

Administer a guarter of usual dose

Double usual dose over 1 to 2 week

Tablet Markings

debossed with "2" on one side and "16" on other side

debossed with "5" on one side and "17" on other side

debossed with "10" on one side and "18" on other side

debossed with "30" on one side and "21" on other side

debossed with "20" on both sides

Aripiprazole is contraindicated in patients with a history of a hypersensitivity reaction to aripiprazole. Reactions have ranged from pruritus

The following symptoms, anxiety, agitation, panic attacks, insomnia, irriadinity, nostinity, aggressiveness, inipulsivity, akadinsia (psyciolinotic restlessness), hypomania, and mania, have been reported in adult and pediatric patients being treated with antidepressants for MDD as well as for other indications, both psychiatric and nonpsychiatric. Although a causal link between the emergence of such symptoms and either single properties and nonpsychiatric and nonpsychiatric. Although a causal link between the emergence of such symptoms and either single properties and nonpsychiatric and nonpsychiatric. Although a causal link between the emergence of such symptoms and either single properties and properties are triplications. The properties are triplications are triplications and instinguished triplications are triplications. The properties are triplications are triplications and triplications are triplications are triplications. The properties are triplications are triplications are triplications are triplications are triplications. The properties are triplications are triplications are triplications are triplications are triplications. The properties are triplications are triplications are triplications are triplications are triplications. The properties are triplications are triplications are triplications are triplications are triplications. The properties are triplications are triplications are triplications are triplications are triplications. The properties are triplications are triplications are triplications are triplications are triplications are triplications. The properties are triplications are triplications are triplications are triplications are triplications. The properties are triplications are triplications are triplications are triplications are triplications. The properties are triplications are triplications are triplications are triplications are triplicatio represent precursors to emerging suicidality Consideration should be given to changing the therapeutic regimen, including possibly discontinuing the medication, in patients whose epression is persistently worse, or who are experiencing emergent suicidality or symptoms that might be precursors to worse epression or suicidality, especially if these symptoms are severe, abrupt in onset, or were not part of the patient's presenting symptom 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 caregivers. Prescriptions for aripiprazole should be written for the smallest quantity of tablets consistent with good patient management, in order to reduce the risk of exercises.

4.4 Irritability Associated with Autistic Disorder
4.5 Tourette's Disorder 14.6 Agitation Associated with Schizophrenia or Bipolar Mania
16 HOW SUPPLIED/STORAGE AND HANDLING 16.2 Storage
17 PATIENT COUNSELING INFORMATION pelieved (though not established in controlled trials) that treating such an episode with an antidepressant alone may increase the likelihood of precipitation of a mixed/manic episode in patients at risk for bipolar disorder. Whether any of the symptoms described above represen * Sections or subsections omitted from the full prescrib such a conversion is unknown. However, prior to initiating treatment with an antidepressant, patients with depressive symptoms shoul be adequately screened to determine if they are at risk for bipolar disorder; such screening should include a detailed psychiatric history cluding a family history of suicide, bipolar disorder, and depre

The diagnostic evaluation of patients with this syndrome is complicated. In arriving at a diagnosis, it is important to exclude cases where the clinical presentation includes both serious medical illness (e.g., pneumonia, systemic infection) and untreated or inadequately treated extrapyramidal signs and symptoms (EPS). Other important considerations in the differential diagnosis include central anticholinergic toxicity, heat stroke, drug fever, and primary central nervous system pathology. 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 years; there was a reduction in risk with antidepressant use in patients aged 65 years and older [see Warnings and Precautions (5.3)].

The management of NMS should include: 1) immediate discontinuation of antipsychotic drugs and other drugs not essential to concurrent therapy; 2) intensive symptomatic treatment and medical monitoring; and 3) treatment of any concomitant serious medical problems for which specific treatments are available. There is no general agreement about specific pharmacological treatment regimens for uncomplicated NMS.

If a patient requires antipsychotic drug treatment after recovery from NMS, the potential reintroduction of drug therapy should be carefully 5.5 Tardive Dyskinesia

4 syndrome of notentially irreversible, involuntary, dyskinetic movements may develop in patients treated with antipsychotic drugs. Although

A syndrolle of potentially interesting, involuntary, dysfinite thovenients may develop in patients treated with analystrolle chief, at the prevalence of the syndrome appears to be highest among the elderly, especially elderly women, it is impossible to rely upon prevalence estimates to predict, at the inception of antipsychotic treatment, which patients are likely to develop the syndrome. Whether antipsychotic drug products differ in their potential to cause tardive dyskinesia is unknown. The risk of developing tardive dyskinesia and the likelihood that it will become irreversible are believed to increase as the duration of treatment and the total cumulative dose of antipsychotic drugs administered to the patient increase. However, the syndrome can develop, although much less commonly, after relatively brief treatment periods at low doses. Tardive dyskinesia may remit, partially or completely, if antipsychotic treatment is withdrawn. Antipsychotic treatment, itself, however, may uppress (or partially suppress) the signs and symptoms of the syndrome and, thereby, may possibly mask the underlying process. The effect that symptomatic suppression has upon the long-term course of the syndrome is unknown. iven these considerations, ariniprazole should be prescribed in a manner that is most likely to minimize the occurrence of tardive dyskinesia. Normal to Hig Chronic antipsychotic treatment should generally be reserved for patients who suffer from a Uniform Connocil clines that (1) is known to respond to antipsychotic drugs and (2) for whom alternative, equally effective, but potentially less harmful treatments are not available or appropriate. In patients who do require chronic treatment, the smallest dose and the shortest duration of treatment producing a satisfactory clinical responses should be sought. The need for continued treatment should be reassessed periodically.

Fasting Triglycerides

Normal to High

meals. Aripiprazole has been systematically evaluated and shown to be effective in a dose range of 10 to 30 mg/day, when administered as the tablet formulation; however, doses higher than 10 or 15 mg/day were not more effective than 10 or 15 mg/day. Dosage increases should generally not be made before 2 weeks, the time needed to achieve steady-state [see Clinical Studies (14.1)]. Maintenance Treatment: Maintenance of efficacy in schizophrenia was demonstrated in a trial involving patients with schizophrenia who had been symptomatically stable on other antipsychotic medications for periods of 3 months or longer. These patients were discontinued from those medications and randomized to either arripiprazole 15 mg/day or placebo, and observed for relapse [see Clinical Studies (14.1)]. Patients should be periodically reassessed to determine the continued need for maintenance treatment.

Adolescents

Adolescent article dyskinesia appear in a patient on arripiprazole, drug discontinuation should be considered. However, some patients may require treatment with arripiprazole despite the presence of the syndrome.

For Metabolic Changes

Adolescents

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For Metabolic Changes

Adolescents

Adolescent article dy

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

Adolescents
The recommended target dose of a pripipzacole is 10 mg/day. Afripiprazole was studied in adolescent patients 13 to 17 years of age with the program of the progra 2.2 Bipolar I Disorder
Acute Treatment of Manic and Mixed Episodes
Adults: The recommended starting dose in adults is 15 mg given once daily as monotherapy and 10 mg to 15 mg given once daily as adjunctive therapy with lithium or valproate. Aripiprazole can be given without regard to meals. The recommended target dose of aripiprazole is 15 mg/day, as monotherapy or as adjunctive therapy with lithium or valproate. The dose may be increased to 30 mg/day based on clinical response. The safety of doses above 30 mg/day has not been evaluated in clinical trials.

adjunctive therapy with lithium or valproate. Antipprazole can be given without regard to meals. The recommended target dose of anipprazole is 15 mg/day, as monotherapy or as adjunctive therapy with lithium or valproate. The dose of adjunctive therapy with lithium or valproate. The dose of adjunctive therapy with lithium or valproate. The dose of adjunctive therapy with lithium or valproate. An undergoted the dose of a proper valproate. Any patient treated with atypical antipsychotics should using treatment. Any patient treated with atypical antipsychotics should be monitored for symptoms of hyperglycemia has resolved when the atypical antipsychotic was discontinued; below the dose of a proper valproate. The dose of a proper valproate is the dose of a proper valproate. The dose of a proper valproate is the dose of a proper valproate. The dose of a proper valproate is the valproate va the same. Subsequent dose increases, if needed, should be administered in 5 mg/day increments. Aripiprazole can be given without regard to meals (see Clinical Studies (14.2)). In an analysis of 13 placeho-controlled monotherapy trials in adults, primarily with schizophrenia or bipolar disorder, the mean change

In fasting glucose in aripiprazole-treated patients (4.4 mg/dL; median exposure 25 days; N=1,057) was not significantly different than n placebo-treated patients (+2.5 mg/dL; median exposure 22 days; N=799). Table 6 shows the proportion of aripiprazole-treated patients (+2.5 mg/dL; median exposure 22 days; N=799). Table 6 shows the proportion of aripiprazole-treated patients (*4.4 mg/dL; median exposure 25 days; N=799). Table 6 shows the proportion of aripiprazole-treated patients (*4.4 mg/dL; median exposure 25 days) that had treatment-emergent high fasting glucose measurements compared to placebo-treated patients (median exposure 22 days). Adults
The recommended starting dose for aripiprazole as adjunctive treatment for patients already taking an antidepressant is 2 to 5 mg/day. The recommended dosage range is 2 to 15 mg/day. Dosage adjustments of up to 5 mg/day should occur gradually, at intervals of no less than one week [see Clinical Studies (14.3)]. Patients should be periodically reassessed to determine the continued need for maintenance treatment. Table 6: Changes in Fasting Glucose from Placebo-Controlled Monotherapy Trials in Adult Patients

	from Baseline	Treatment Arm	n/N	%
Fasting	Normal to High	Aripiprazole	31/822	3.8
Glucose	(<100 mg/dL to ≥126 mg/dL)	Placebo	22/605	3.6
	Borderline to High	Aripiprazole	31/176	17.6
	$(\geq 100 \text{ mg/dL and } < 126 \text{ mg/dL to } \geq 126 \text{ mg/dL})$	Placebo	13/142	9.2
	n change in fasting glucose in aripiprazole-treated n=42) and +9.6 mg/dL (n=28), respectively].	patients was not signifi	cantly different tha	n in placebo-treated
lays; N=241) was vs the proportion o	sting glucose in adjunctive aripiprazole-treated patient not significantly different than in placebo-treated pat of adult patients with changes in fasting glucose levels th major depressive disorder.	tients (+0.8 mg/dL; med	lian exposure 42 da	ys; N=246). Table 7
e 7: Changes i	n Fasting Glucose from Placebo-Controlled Adjuncti	ve Trials in Adult Patie	nts with Major Dep	ressive Disorder

For patients weighing 50 kg or more, dosing should be initiated at 2 mg/day for 2 days, and then increased to 5 mg/day for 5 days, with a target dose of 10 mg/day on Day 8. The dose can be increased up to 20 mg/day for patients who do not achieve optimal control of tics. Dosage adjustments should occur gradually in increments of 5 mg/day at intervals of no less than one week [see Clinical Studies (14.5)]. Treatment Arm Normal to High (<100 mg/dL to ≥126 mg/dL) (≥100 mg/dL and <126 mg/dL to ≥126 mg/dL) therapy, aripiprazole dosage should then be adjusted to its original level. When the coadministered CYY3A4 initioter is willulawin, anipiprazole dosage should be reduced to the original level over 1 to 2 weeks. Patients who may be receiving a combination of strong, moderate, and weak inhibitors of CYY3A4 and CYY2D6 (e.g., a strong CYY3A4 inhibitor and a moderate CYY3A4 inhibitor and a moderate CYY2D6 inhibitor or a moderate CYY2D6 inhibitor or a moderate CYY2D6 inhibitor, the dosing may be reduced to one-quarter (25%) of the usual dose initially and then adjusted to achieve disorder (10 to 17 years), the mean change in fasting glucose in aripiprazole-treated patients (+1.7 mg/dL; with a median exposure of 42 days; N=259) was not significantly different than in placebo-treated patients (+1.7 mg/dL; with a median exposure of 42 days; N=259).

**Total migration of CYY3A4 inhibitor and a moderate CYY2D6 inhibitor or a mo

Indication Treatment Arm with a firstory of a clinically significant low white blood cell count (WBC) or a drug-induced leukopenia/heutropenia should have their complete blood count (CBC) monitored frequently during the first few months of therapy and discontinuation of aripiprazole should be considered at the first sign of a clinically significant decline in WBC in the absence of other causative factors (5.10)

Seizures/Convulsions: Use cautiously in patients with a history of seizures or with conditions that lower the seizure threshold (5.11)

3 DOSAGE FORMS AND STRENGTHS

Aripiprazole sholes to a displayment as specified in Dosage and Administration (2.1, 2.2, 2.3).

Fasting Glucose Normal to High (<100 mg/dL to ≥1 for the seizure threshold of the following for Aripiprazole sholes). IISP are available as described in Table 3. 2/236 2/110 Irritability Associated with Autistic Disorder Normal to High (<100 mg/dL to ≥126 mg/dL) Placebo 3/88 Aripiprazole Tourette's Disorder Placebo 1/58

In an analysis of two placebo-controlled trials in pediatric and adolescent patients with Tourette's disorder (6 to 18 years) with median

Table 8: Changes in Fasting Glucose from Placebo-Controlled Trials in Pediatric and Adolescent Patients

exposure of 57 days, the mean change in fasting glucose in aripiprazole-treated patients (0.79 mg/dL; N=90) was not significantly different than in placebo-treated patients (-1.66 mg/dL; N=58).

Aripiprazole 1/22 Pooled Schizophrenia and Placebo 0/12 Aripiprazole Tourette's Disorder Placebo

At 12 weeks in the pooled adolescent schizophrenia and pediatric bipolar disorder trials, the mean change in fasting glucose in aripiprazole <u>Dyslipidemia</u> Indesirable alterations in lipids have been observed in patients treated with atypical antipsychotics.

There were no significant differences between aripiprazole-and placebo-treated patients in the proportion with changes from normal to clinically significant levels for fasting/nonfasting total cholesterol, fasting triglycerides, fasting LDLs, and fasting/nonfasting HDLs. Analyses of patients with at least 12 or 24 weeks of exposure were limited by small numbers of patients. Adults
Table 9 shows the proportion of adult patients, primarily from pooled schizophrenia and bipolar disorder monotherapy placebo-controlled trials, with changes in total cholesterol (pooled from 17 trials; median exposure 21 to 25 days), fasting triglycerides (pooled from eight trials; median exposure 42 days), fasting LDL cholesterol (pooled from eight trials; median exposure 39 to 45 days, except for placebo-treated Increases with a state of the s DL measurements, who had median treatment exposure of 24 days) and HDL of

least twice that for placebo were lethargy [placebo 2%, aripiprazole 5%], somnolence (including sedation) [placebo 3%, aripiprazole 8%],		Treatment Arm	n/N	%
lightheadedness [placebo 1%, aripiprazole 4%].	Total Cholesterol	Aripiprazole	34/1,357	2.5
prescriber elects to treat such patients with aripiprazole, assess for the emergence of difficulty swallowing or excessive somnolence, which	Normal to High (<200 mg/dL to ≥240 mg/dL)	Placebo	27/973	2.8
, , , , , , , , , , , , , , , , , , , ,	Fasting Triglycerides	Aripiprazole	40/539	7.4
In placebo-controlled clinical studies (two flexible dose and one fixed dose study) of dementia-related psychosis, there was an increased incidence of cerebrovascular adverse events (e.g., stroke, transient ischemic attack), including fatalities, in aripiprazole-treated patients (mean age: 84 years; range: 78 to 88 years). In the fixed-dose study, there was a statistically significant dose response relationship for	Normal to High (<150 mg/dL to ≥200 mg/dL)	Placebo	30/431	7.0
	Fasting LDL Cholesterol Normal to High (<100 mg/dL to ≥160 mg/dL)	Aripiprazole	2/332	0.6
related psychosis <i>[see <u>Boxed Warning</u>]</i> .		Placebo	2/268	0.7
Patients with major depressive disorder (MDD), both adult and pediatric, may experience worsening of their depression and/or the	HDL Cholesterol	Aripiprazole	121/1,066	11.4
medications, and this risk may persist until significant remission occurs. Suicide is a known risk of depression and certain other psychiatric	(≥40 mg/dL to <40 mg/dL)	Placebo	99/794	12.5
disorders, and these disorders themselves are the strongest predictors of suicide. There has been a long-standing concern, however, that antidepressants may have a role in inducing worsening of depression and the emergence of suicidality in certain patients during the early phases of treatment. Pooled analyses of short-term, placebo-controlled trials of antidepressant drugs (SSRIs and others) showed that these	(fasting/nonfasting), fasting triglycerides, and fasting	ng LDL cholesterol were simi	nilar between aripiprazole- and	placebo-treated patients: a
	and incontinence (primarily, urinary inconfinence) [placebo 1%, aripiprazole 5%], excessive salivation [placebo 0%, aripiprazole 4%], and lightheadedness [placebo 1%, aripiprazole 4%]. The safety and efficacy of aripiprazole in the treatment of patients with psychosis associated with dementia have not been established. If the prescriber elects to treat such patients with aripiprazole, assess for the emergence of difficulty swallowing or excessive somnolence, which could predispose to accidental injury or aspiration [see Boxed Warning]. 5.2 Cerebrovascular Adverse Events, Including Stroke In placebo-controlled clinical studies (two flexible dose and one fixed dose study) of dementia-related psychosis, there was an increased incidence of cerebrovascular adverse events (e.g., stroke, transient ischemic attack), including fatalities, in aripiprazole-treated patients (mean age: 84 years; range: 78 to 88 years). In the fixed-dose study, there was a statistically significant dose response relationship for cerebrovascular adverse events in patients treated with aripiprazole. Aripiprazole is not approved for the treatment of patients with dementiarelated psychosis [see Boxed Warning]. 5.3 Suicidal Thoughts and Behaviors in Children, Adolescents, and Young Adults Patients with major depressive disorder (MDD), both adult and pediatric, may experience worsening of their depression and/or the emergence of suicidal ideation and behavior (suicidality) or unusual changes in behavior, whether or not they are taking antidepressant medications, and this risk may persist until significant remission occurs. Suicide is a known risk of depression and certain other psychiatric disorders, and these disorders themselves are the strongest predictors of suicide. There has been a long-standing concern, however, that emergence of suicidality in certain patients to during the early	least twice that for placebo were lethargy [placebo 2%, aripiprazole 5%], somnolence (including sedation) [placebo 3%, aripiprazole 8%], and incontinence (primarily, urinary incontinence) [placebo 1%, aripiprazole 5%], excessive salivation [placebo 0%, aripiprazole 4%], and lightheadedness [placebo 1%, aripiprazole 4%]. The safety and efficacy of aripiprazole in the treatment of patients with psychosis associated with dementia have not been established. 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Suicide is a known risk of depression and certain other psychiatric decidence of suicidality in certain patients during the early in	least twice that for placebo even lethargy [placebo 2%, aripiprazole 5%], somnolence (including sedation) [placebo 3%, aripiprazole 4%], and incontinence (primarily, urinary incontinence) [placebo 1%, aripiprazole 5%], excessive salivation [placebo 0%, aripiprazole 4%], and lightheadedness [placebo 1%, aripiprazole 4%]. 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(fasting/nonfasting), fasting triglycerides, and fasting LDL cholesterol were similar between aripiprazole- and placebo-treate 12 weeks, Total Cholesterol (fasting/nonfasting), 177 (1.4%) vs. 3/74 (4.1%); Fasting Triglycerides, 8/62 (12.9%) vs. 5/37 (13. LDL Cholesterol, 0/34 (0%) vs. 1/25 (4.0%), respectively; and at 24 weeks, Total Cholesterol (fasting/nonfasting), 1/42 (2. (8.1%); Fasting Triglycerides, 5/34 (14.7%) vs. 5/20 (25%); Fasting LDL Cholesterol, 0/22 (0%) vs. 1/18 (5.6%), respectively. ugs increase the risk of suicidal thinking and behavior (suicidality) in children, adolescents, and young adults (ages 18 to 24 years) with DD and other psychiatric disorders. Short-term studies did not show an increase in the risk of suicidality with antidepressants compared placebo in adults beyond age 24 years; there was a reduction with antidepressants compared to placebo in adults aged 65 years 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 4,400 patients. The pooled analyses of placebo-controlled trials in adults with MDD or other psychiatric disorders included a total of 24 short-term trials of 9 antidepressant drugs in over 4,400 patients. The pooled analyses of placebo-controlled trials in adults with MDD or other psychiatric disorders included a total of 295 short-term trials (median duration of 2 months) of 11 antidepressant drugs in over 77,000 patients. There was considerable variation in risk of suicidally among drugs, but a tendency toward an increase in the younger patients for almost all drugs studied. There were differences in absolute risk of suicidality across the different indications, with the highest incidence in MDD. The risk differences (drug vs. placeho), however were relatively stable within

	patients for almost all drugs studied. There were differences in absolute fish of suicidality across				
age strata and across indications. These ris	cidence in MDD. The risk differences (drug vs. placebo), however, were relatively stable within sk differences (drug-placebo difference in the number of cases of suicidality per 1,000 patients		Treatment Arm	n/N	%
		Total Cholesterol	Aripiprazole	3/139	2.2
Age Range Drug-Placebo Difference in Number of Cases of Suicidality per 1,000 Patients Treated		Normal to High (<200 mg/dL to ≥240 mg/dL)	Placebo	7/135	5.2
.10	Increases Compared to Placebo Fasting Trig		Aripiprazole	14/145	9.7
<18 18 to 24	14 additional cases 5 additional cases	Normal to High (<150 mg/dL to ≥200 mg/dL)	Placebo	6/147	4.1
25 to 64	Decreases Compared to Placebo 1 fewer case	Fasting LDL Cholesterol Normal to High	Aripiprazole	0/54	0
≥65	65 6 fewer cases ccurred in any of the pediatric trials. There were suicides in the adult trials, but the number was not sufficient to reach an		Placebo	0/73	0
conclusion about drug effect on suicide.		HDL Cholesterol Normal to Low	Aripiprazole	17/318	5.3
from placebo-controlled maintenance trials	It is unknown whether the suicidality risk extends to longer-term use, i.e., beyond several months. However, there is substantial evidence from placebo-controlled maintenance trials in adults with depression that the use of antidepressants can delay the recurrence of depression.		Placebo	10/286	3.5
All patients being treated with antidepressants for any indication should be monitored appropriately and observed closely for clinical					

	Treatment Arm	n/N	%
otal Cholesterol	Aripiprazole	3/220	1.4
Normal to High (<170 mg/dL to ≥200 mg/dL)	Placebo	0/116	0
Fasting Triglycerides Normal to High (<150 mg/dL to ≥200 mg/dL)	Aripiprazole	7/187	3.7
	Placebo	4/85	4.7
HDL Cholesterol Normal to Low (≥40 mg/dL to <40 mg/dL)	Aripiprazole	27/236	11.4
	Placebo	22/109	20.2

A Neuroleptic Malignant Syndrome (NMS)

A potentially fatal symptom complex sometimes referred to as Neuroleptic Malignant Syndrome (NMS) may occur with administration of antipsychotic drugs, including aripiprazole. Rare cases of NMS occurred during aripiprazole treatment in the worldwide clinical database. Clinical manifestations of NMS are hyperpyrexis, muscle rigidity, altered mental status, and evidence of autonomic instability (irregular pulse or blood pressure, tachycardia, diaphoresis, and cardiac dysrhythmia). Additional signs may include elevated creatine phosphokinase, myoglobinuria (rhabdomyolysis), and acute renal failure.

The diagnostic evidence of existing of active of existing from Normal to High in total cholesterol (fasting/nonfasting), fasting triglycerides, 272 (2.8%) vs. 1/14 (7.1%), respectively, and at 24 weeks, Total Cholesterol (fasting/nonfasting), 0/36 (0%) vs. 0/12 (0%); Fasting Triglycerides, 272 (2.8%) vs. 1/10 (10.0%), respectively.

Table 12 shows the proportion of patients with changes in total cholesterol (fasting/nonfasting) and fasting triglycerides, 272 (2.8%) vs. 1/10 (10.0%), respectively.

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	Treatment Arm	n/N	%
Total Cholesterol Normal to High (<170 mg/dL to ≥200 mg/dL)	Aripiprazole	1/95	1.1
(<170 mg/ac to 2200 mg/ac)	Placebo	0/34	0
Fasting Triglycerides	Aripiprazole	0/75	0
Normaī to Ĥigh (<150 mg/dL to ≥200 mg/dL)	Placebo	0/30	0
HDL Cholesterol	Aripiprazole	9/107	8.4
Normal to Low (≥40 mg/dL to <40 mg/dL)	Placebo	5/49	10.2
Table 13 shows the proportion of patients with lays) and HDL cholesterol (median exposure listorder.	h changes in total cholesterol (fasting/n	onfasting) and fasting trigly	cerides (median expo

Table 13: Changes in Blood Lipid Parameters from Placebo-Controlled Trials in Pediatric Patients with Tourette's Disorder Aripiprazol Placebo 0/46 Aripiprazole Placebo 2/55 Aripiprazole 4/108

	of Patients from Placebo-Controlled T	, , ,		dy Weight
	Indication	Treatment Arm	N	Patients n (%)
ght gain of body reight	Schizophrenia — Bipolar Mania [†] —	Aripiprazole	852	69 (8.1)
		Placebo	379	12 (3.2)
		Aripiprazole	719	16 (2.2)
	Bipolar Mania —	Placebo	598	16 (2.7)
	Major Depressive Disorder	Aripiprazole	347	18 (5.2)
	(Adjunctive Therapy)‡ —	Placebo	330	2 (0.6)

Pediatric Patients and Adolescents
In an analysis of two placebo-controlled trials in adolescents with schizophrenia (13 to 17 years) and pediatric patients with bipolar disorder (10 to 17 years) with median exposure of 42 to 43 days, the mean change in body weight in aripiprazole-treated patients was +1.6 kg (N=381) compared to +0.3 kg (N=187) in placebo-treated patients. At 24 weeks, the mean change from baseline in body weight in aripiprazole-treated patients was +5.8 kg (n=62) compared to +1.4 kg (n=13) in placebo-treated patients. two short-term, placebo-controlled trials in patients (6 to 17 years) with irritability associated with autistic disorder with median exposure 56 days, the mean change in body weight in aripiprazole-treated patients was +1.6 kg (n=209) compared to +0.4 kg (n=98) in placebotwo short-term, placebo-controlled trials in patients (6 to 18 years) with Tourette's Disorder with median exposure of 57 days, the mean range in body weight in aripiprazole-treated patients was +1.5 kg (n=105) compared to +0.4 kg (n=66) in placebo-treated patients. le 15 shows the percentage of pediatric and adolescent patients with weight gain \ge 7% of body weight by indication. ble 15: Percentage of Patients from Placebo-Controlled Monotherapy Trials in Pediatric and Adolescent Patients with Weight Gain

Weight gain ≥7% of body weight	Indication	Treatment Arm	N	Patients n (%)
	Pooled Schizophrenia	Aripiprazole	381	20 (5.2)
	and Bipolar Mania*	Placebo	187	3 (1.6)
	Irritability Associated with Autistic Disorder [†] Tourette's Disorder [‡]	Aripiprazole	209	55 (26.3)
		Placebo	98	7 (7.1)
		Aripiprazole	105	21 (20.0)
		Placebo	66	5 (7.6)

When treating pediatric patients for any indication, weight gain should be monitored and assessed against that expected for normal growth 5.7 Pathological Gambling and Other Compulsive Behaviors

Table 8 shows the proportion of patients with changes in fasting glucose levels from the pooled adolescent schizophrenia and pediatric bipolar patients (median exposure of 42 to 43 days), from two placebo-controlled trials in pediatric patients (6 to 17 years) with irritability associated with autistic disorder (median exposure of 56 days), and from the two placebo-controlled trials in pediatric patients (6 to 18 year) with Tourette's Disorder (median exposure 57 days). ask patients or their caregivers specifically about the development of new or intense gambling urges, compulsive sexual urges, compulsive shopping, binge or compulsive eating, or other urges while being treated with aripiprazole. It should be noted that impulse-control symptoms can be associated with the underlying disorder. In some cases, although not all, urges were reported to have stopped when the dose was dose reduction or stopping the medication if a patient develops such urges.

weight z-score was 0.26 SDs for patients receiving >9 months of treatment.

hypotension-associated events from short-term, placebo-controlled trials of adult patients on oral aripiprazole (n=2,467) included Nausea (aripiprazole incidence, placebo incidence) orthostatic hypotension (1%, 0.3%), postural dizziness (0.5%, 0.3%), and syncope (0.5%, Vomiting 0.4%); of pediatric patients 6 to 18 years of age (n=732) on oral aripiprazole included orthostatic hypotension (0.5%, 0%), postural Salivary Hypersecretion dizziness (0.4%, 0%), and syncope (0.2%, 0%). [see Adverse Reactions (6.1)] The incidence of a significant orthostatic change in blood pressure (defined as a decrease in systolic blood pressure ≥20 mmHg accompanied by an increase in heart rate ≥25 bpm when comparing standing to supine values) for aripiprazole was not meaningfully different from placebo (aripiprazole incidence, placebo incidence): in adult oral aripiprazole-treated patients (4%, 2%), in pediatric oral aripiprazoletreated patients aged 6 to 18 years (0.4%, 1%). Aripiprazole should be used with caution in patients with known cardiovascular disease (history of myocardial infarction or ischemic heart

disease, heart failure or conduction abnormalities), cerebrovascular disease, or conditions which would predispose patients to hypotension (dehydration, hypovolemia, and treatment with antihypertensive medications) [see <u>Drug Interactions (7.11)</u>].

Nervous System Disorders
Akathisia Antipsychotics, including aripiprazole, may cause somnolence, postural hypotension, motor and sensory instability, which may lead to falls Extrapyramidal Disorde and, consequently, fractures or other injuries. For patients with diseases, conditions, or medications that could exacerbate these effects, complete fall risk assessments when initiating antipsychotic treatment and recurrently for patients on long-term antipsychotic therapy.

5.10 Leukopenia, Neutropenia, and Agranulocytosis
In clinical trials and/or postmarketing experience, events of leukopenia and neutropenia have been reported temporally related to antipsychotic agents, including aripiprazole. Agranulocytosis has also been reported. Possible risk factors for leukopenia/neutropenia include pre-existing low white blood cell count (WBC)/absolute neutrophil count (ANC) Restlessness and history of drug-induced leukopenia/neutropenia. In patients with a history of a clinically significant low WBC/ANC or drug-induced leukopenia/neutropenia, perform a complete blood count (CBC) frequently during the first few months of therapy. In such patients, consider discontinuation of aripiprazole at the first sign of a clinically significant decline in WBC in the absence of other causative factors. Monitor patients with clinically significant neutropenia for fever or other symptoms or signs of infection and treat promptly if such

symptoms or signs occur. Discontinue aripiprazole in patients with severe neutropenia (absolute neutrophil count <1.000/mm⁵) and follow their WBC counts until recovery. As with other antipsychotic drugs, aripiprazole should be used cautiously in patients with a history of seizures or with conditions that lower the seizure threshold. Conditions that lower the seizure threshold may be more prevalent in a population of 65 years or older.

Aripiprazole, like other antipsychotics, may have the potential to impair judgment, thinking, or motor skills. For example, in short-term placebo-controlled trials, somnolence (including sedation) was reported as follows (aripiprazole incidence, placebo incidence): in adult patients (n=2,467) treated with oral aripiprazole (11%, 6%), in pediatric patients ages 6 to 17 years (n=611; 24%, 6%), and in adult patients (n=501) on aripiprazole lightion (9%, 6%). Somnolence (including sedation) led discontinuation in 0.3% (8/2,467) of adult patients and 3% (20/732) of pediatric patients (6 to 18 years) on oral aripiprazole in short-term, placebo-controlled trials. Despite the relatively modest increased incidence of these events compared to placebo, patients should be cautioned about operating hazardous machinery, including automobiles, until they are reasonably certain that therapy with aripiprazole does not affect them adversely 5.13 Body Temperature Regulation Disruption of the body's ability to reduce core body temperature has been attributed to antipsychotic agents. Appropriate care is advised when prescribing aripiprazole for patients who will be experiencing conditions which may contribute to an elevation in core body greater and aripiprazole incidence at least twice that for placebo) are shown in Table 19.

The possibility of a suicide attempt is inherent in psychotic illnesses, bipolar disorder, and major depressive disorder, and close supervision of high-risk nations should accompany drug therapy. Prescriptions for aripiprazole should be written for the smallest quantity consisten with good patient management in order to reduce the risk of overdose [see Adverse Reactions (6.1, 6.2)].

sophageal dysmotility and aspiration have been associated with antipsychotic drug use, including aripiprazole. Aspiration pneumonia is Extrapyramidal Disorder a common cause of morbidity and mortality in elderly patients, in particular those with advanced Alzheimer's dementia. Aripiprazole and her antipsychotic drugs should be used cautiously in patients at risk for aspiration pneumonia [see Warnings and Precautions (5.1) Nausea nd Adverse Reactions (6.2)1 ADVERSE REACTIONS

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 the rates observed in practice. The following adverse reactions are discussed in more detail in other sections of the labeling:

Increased Mortality in Elderly Patients with Dementia-Related Psychosis [see Boxed Warning and Warnings and Precautions (5.1) Cerebrovascular Adverse Events, Including Stroke [see Warnings and Precautions (5.2)] · Suicidal Thoughts and Behaviors in Children, Adolescents, and Young Adults [see Boxed Warning and Warnings and Precautions

 Neuroleptic Malignant Syndrome (NMS) [see <u>Warnings and Precautions (5.4)</u>] Tardive Dyskinesia [see <u>Warnings and Precautions (5.5)</u>] Metabolic Changes [see <u>Warnings and Precautions</u> (5.6)]

 Pathological Gambling and Other Compulsive Behaviors [see <u>Warnings and Precautions (5.7)</u>] Orthostatic Hypotension [see <u>Warnings and Precautions (5.8)</u>] Falls [see <u>Warnings and Precautions (5.9)</u>] Leukopenia, Neutropenia, and Agranulocytosis [see <u>Warnings and Precautions (5.10)</u>]

• Seizures/Convulsions [see Warnings and Precautions (5.11)] Potential for Cognitive and Motor Impairment [see <u>Warnings and Precautions (5.12)</u>]

The most common adverse reactions in adult patients in clinical trials (≥10%) were nausea, vomiting, constipation, headache, dizziness, akathisia, anxiety, insomnia, and restlessness. The most common adverse reactions in the pediatric clinical trials (≥10%) were somnolence, headache, vomiting, extrapyramidal disorder. fatigue, increased appetite, insomnia, nausea, nasopharyngitis, and weight increased. Aripiprazole has been evaluated for safety in 13,543 adult patients who participated in multiple-dose, clinical trials in schizophrenia, bipolar Extrapyramidal Disorder disorder, major depressive disorder, Dementia of the Alzheimer's type, Parkinson's disease, and alcoholism, and who had approximately 7,619 patient-years of exposure to oral aripiprazole and 749 patients with exposure to aripiprazole injection. A total of 3,390 patients were treated with oral aripiprazole for at least 180 days and 1,933 patients treated with oral aripiprazole had at least one year of exposure.

7,619 patient-years of exposure to oral aripiprazole and 749 patients with exposure to aripiprazole migration. A total of 3,990 patients were treated with oral aripiprazole for at least 180 days and 1,933 patients treated with oral aripiprazole had at least one year of exposure.

Aripiprazole has been evaluated for safety in 1,686 pediatric patients (6 to 18 years) with Tourette's Disorder
The following findings are based on one 8 week and one 10 week, placebo-controlled trials in which oral aripiprazole was administered in doses of 2 to 20 mg/day. schizophrenia, bipolar mania, autistic disorder, or Tourette's disorder and who had approximately 1,342 patient-years of exposure to oral aripiprazole. A total of 959 pediatric patients were treated with Discontinuation of Treatment The conditions and duration of treatment with aripiprazole (monotherapy and adjunctive therapy with antidepressants or mood stabilizers) included (in overlapping categories) double-blind, comparative and noncomparative open-label studies, inpatient and outpatient studies, fixed- and flexible-dose studies, and short- and longer-term exposure.

The incidence of discontinuation of treatment with aripiprazole-treated and placebo-treated pediatric patients (6 to 18 years) was 7% and 1%, respectively.

Commonly Observed Adverse Reactions

Commonly Observed Adverse Reactions The only commonly observed adverse reaction associated with the use of aripiprazole in patients with schizophrenia (incidence of 5% or greater and aripiprazole incidence at least twice that for placebo) was akathisia (aripiprazole 8%; placebo 4%). Adult Patients with Bipolar Mania

he following findings are based on a pool of 3-week, placebo-controlled, bipolar mania trials in which oral aripiprazole was administered Commonly Observed Adverse Reactions Commonly observed adverse reactions associated with the use of aripiprazole in patients with bipolar mania (incidence of 5% or greater and aripiprazole incidence at least twice that for placebo) are shown in Table 16. Table 16: Commonly Observed Adverse Reactions in Short-Term, Placebo-Controlled Trials of Adult Patients with Bipolar Mania

Treated with Oral Aripiprazole Monotherapy Percentage of Patients Reporting Reaction Preferred Term

Sedation Restlessnes Extrapyramidal Disorder Less Common Adverse Reactions in Adults
Table 17 enumerates the pooled incidence, rounded to the nearest percent, of adverse reactions that occurred during acute therapy (up to weeks in schizophrenia and up to 3 weeks in bipolar mania), including only those reactions that occurred in 2% or more of patients treate with aripiprazole (doses $\geq 2 \mod/day$) and for which the incidence in patients treated with aripiprazole was greater than the incidence

patients treated with placebo in the combined dataset. Table 17: Adverse Reactions in Short-Term. Placebo-Controlled Trials in Adult Patients Treated with Oral Ariniprazole

	Percentage of Patients Reporting Reaction*			
System Organ Class Preferred Term	Aripiprazole (n=1,843)	Placebo (n=1,166)		
ye Disorders				
Blurred Vision	3	1		
Gastrointestinal Disorders				
Nausea	15	11		
Constipation	11	7		
Vomiting	11	6		
Dyspepsia	9	7		
Dry Mouth	5	4		
Toothache	4	3		
Abdominal Discomfort	3	2		
Stomach Discomfort	3	2		
General Disorders and Administration Site Conditions				
Fatigue	6	4		
Pain	3	2		
Ausculoskeletal and Connective Tissue Disorders				
Musculoskeletal Stiffness	4	3		
Pain in Extremity	4	2		
Myalgia	2	1		
Muscle Spasms	2	1		
lervous System Disorders				
Headache	27	23		
Dizziness	10	7		
Akathisia	10	4		
Sedation	7	4		
Extrapyramidal Disorder	5	3		
Tremor	5	3		
Somnolence	5	3		
Psychiatric Disorders				
Agitation	19	17		
Insomnia	18	13		
Anxiety	17	13		
Restlessness	5	3		
Respiratory, Thoracic, and Mediastinal Disorders				
Pharyngolaryngeal Pain	3	2		
Cough	3	2		

An examination of population subgroups did not reveal any clear evidence of differential adverse reaction incidence on the basis of age, Adult Patients with Adjunctive Therapy with Bipolar Mania
The following findings are based on a placebo-controlled trial of adult patients with bipolar disorder in which aripiprazole was administered

Adverse Reactions Associated with Discontinuation of Treatment

In a study of patients who were already tolerating either lithium or valproate as monotherapy, discontinuation rates due to adverse reactions were 12% for patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the incidence in patients treated with adjunctive aripiprazole was greater than the were 12% for patients treated with adjunctive aripiprazole compared to 6% for patients treated with adjunctive placebo. The most common

Hyperglycemia/Diabetes Mellitus: Monitor glucose regularly in patients with and at risk for diabetes (5.6)

Hyperglycemia/Diabetes Mellitus: Monitor glucose regularly in patients with and at risk for diabetes (5.6)

Some Adjustments for Aripiprazole treated patients who are known CYP2D6 Poor Metabolizers and patients who are known CYP2D6 Poor Metabolizers and gender-matched population standards. A z-score change of 56 days, the mean change in fasting glucose in aripiprazole-treated patients (-0.2 mg/dL; N=83) was not weeks, the mean change in z-score was 0.09 SD.

Total 2.1 Adverse Possitions in Short Tori In an open-label trial that enrolled patients from two short-term, placebo-controlled trials, patients (6 to 17 years) with irritability associated with autistic disorder, as well as *de novo* patients, 60.3% (199/330) completed one year of therapy with aripiprazole. The mean change in The commonly observed adverse reactions associated with adjunctive aripiprazole and lithium or valproate in patients with bipolar mania.

(incidence of 5% or greater and incidence at least twice that for adjunctive placebo) were: akathisia, insomnia, and extrapyramidal disorder. Less Common Adverse Reactions in Adult Patients with Adjunctive Therapy in Bipolar Mania Pathological Gambling and Other Compulsive Behaviors
Table 18 enumerates the incidence, rounded to the nearest percent, of adverse reactions that occurred during acute treatment (up to 6 st-marketing case reports suggest that patients can experience intense urges, particularly for gambling, and the inability to control these per while taking aripiprazole. Other compulsive urges, reported less frequently, include sexual urges, shopping, eating or binge eating, and the inability to control these per while taking aripiprazole. Other compulsive urges, reported less frequently, include sexual urges, shopping, eating or binge eating, and the inability to control these per while taking aripiprazole. Other compulsive urges, reported less frequently, include sexual urges, shopping, eating or binge eating, and the inability to control these per which is a distribution of the incidence in patients treated with this combination was greater than the incidence in patients treated with placebo plus lithium or valproate.

Percentage of Patients Reporting Reaction Dry Mouth Infections and Infestation Investigations Adverse reactions reported by at least 2% of patients treated with oral aripiprazole, except adverse reactions which had an incidence

Pediatric Patients (13 to 17 years) with Schizophrenia
The following findings are based on one 6-week, placebo-controlled trial in which oral aripiprazole was administered in doses ranging from 2 to 30 mg/day. Adverse Reactions Associated with Discontinuation of Treatment nosed adult patients treated with oral aripiprazole, in 0.1% (1/732) of pediatric patients (6 to 18 years), and in 0.2% (1/501) of adult

The incidence of disconnitivation due to adverse reactions between aripiprazole-treated and placebo-treated pediatric patients (13 to 17 years)

[†] Lithium or Valproate

Commonly observed adverse reactions associated with the use of aripiprazole in adolescent patients with schizophrenia (incidence of 5% or

Adverse Reactions Associated with Discontinuation of Treatment The incidence of discontinuation due to adverse reactions between aripiprazole-treated and placebo-treated pediatric patients (10 to 17 years) Commonly Observed Adverse Reactions

Distription of the body's ability to reduce core body temperature has been attributed to admission agents. Appropriate data is activated when prescribing arithmized for patients who will be experiencing conditions which may contribute to an elevation in core body temperature, (e.g., exercising strenuously, exposure to extreme heat, receiving concomitant medication with anticholinergic activity, or being subject to dehydration) [see Adverse Reactions (6.2)].

Percentage of Patients Reporting Reaction Preferred Term Salivary Hypersecretion

collowing findings are based on two 8 week, placebo-controlled trials in which oral aripiprazole was administered in doses of 2 to 15 Adverse Reactions Associated with Discontinuation of Treatment The incidence of discontinuation due to adverse reactions between aripiprazole-treated and placebo-treated pediatric patients (6 to 17 years

Commonly Observed Adverse Reactions ommonly observed adverse reactions associated with the use of aripiprazole in pediatric patients with autistic disorder (incidence of 5% or greater and aripiprazole incidence at least twice that for placebo) are shown in Table 20.

Table 20: Commonly Observed Adverse Reactions in Short-Term, Placebo-Controlled Trials of Pediatric Patients (6 to 17 years) with Autistic Disorder Treated with Oral Aripiprazole Vomiting Decreased Appetite

or greater and aripiprazole incidence at least twice that for placebo) are shown in Table 21.

Adult Patients with Schizophrenia
The following findings are based on a pool of five placebo-controlled trials (four 4 week and one 6 week) in which oral aripiprazole was Table 21:

Commonly Observed Adverse Reactions in Short-Term, Placebo-Controlled Trials of Pediatric Patients (6 to 18 years) with Tourette's Disorder Treated with Oral Aripiprazole

	Percentage of Patients Reporting Read		
Preferred Term	Aripiprazole (n=121)	Placebo (n=72)	
Sedation	13	6	
Somnolence	13	1	
Nausea	11	4	
Headache	10	3	
Nasopharyngitis	9	0	
Fatigue	8	0	
Increased Appetite	7	1	
ess Common Adverse Reactions in Pediatric Patients (6 to 18 Disorder	years) with Schizophrenia, Bipolar Mania,	Autistic Disorder, or Touret	

able 22 enumerates the pooled incidence, rounded to the nearest percent, of adverse reactions that occurred during acute therapy (up to and 2.2 entime as the power indicates, or work of the leadest periods, or adverse feaculors that occurred unit actual entages (a) to 8 weeks in autistic disorder, and up to 10 weeks in Tourette's disorder), including only those reactions that occurred in 2% or more of pediatric patients treated with aripiprazole (doses ≥2 mg/day) and for which the incidence in patients treated with placebo. Table 22: Adverse Reactions in Short-Term, Placebo-Controlled Trials of Pediatric Patients (6 to 18 years) Treated with Oral

Preferred Term	Aripiprazoie (n=732)	(n=370)
Eye Disorders	(11-102)	(11-070)
Blurred Vision	3	0
Gastrointestinal Disorders		
Abdominal Discomfort	2	1
Vomiting	8	7
Nausea	8	4
Diarrhea	4	3
Salivary Hypersecretion	4	1
Abdominal Pain Upper	3	2
Constipation	2	2
General Disorders and Administration Site Conditions		
Fatigue	10	2
Pyrexia	4	1
Irritability	2	1
Asthenia	2	1
Infections and Infestations		
Nasopharyngitis	6	3
Investigations		
Weight Increased	3	1
Metabolism and Nutrition Disorders		
Increased Appetite	7	3
Decreased Appetite	5	4
Musculoskeletal and Connective Tissue Disorders		
Musculoskeletal Stiffness	2	1
Muscle Rigidity	2	1
Nervous System Disorders		
Somnolence	16	4
Headache	12	10
Sedation	9	2
Tremor	9	1
Extrapyramidal Disorder	6	1
Akathisia	6	4
Drooling	3	0
Lethargy	3	0
Dizziness	3	2
Dystonia	2	1
Respiratory, Thoracic, and Mediastinal Disorders		
Epistaxis	2	1
Skin and Subcutaneous Tissue Disorders		
Rash	2	1

*Adverse reactions reported by at least 2% of pediatric patients treated with oral aripiprazole, except adverse reactions which had an Adult Patients Receiving Aripiprazole as Adjunctive Treatment of Major Depressive Disorder The following findings are based on a pool of two placebo-controlled trials of patients with major depressive disorder in which aripiprazole was administered at doses of 2 to 20 mg as adjunctive treatment to continued antidepressant therapy. Adverse Reactions Associated with Discontinuation of Treatment

The incidence of discontinuation due to adverse reactions was 6% for adjunctive aripiprazole-treated patients and 2% for adjunctive placebotreated patients. Commonly Observed Adverse Reactions The commonly observed adverse reactions associated with the use of adjunctive aripiprazole in patients with major depressive disorder (incidence of 5% or greater and aripiprazole incidence at least twice that for placebo) were: akathisia, restlessness, insomnia, constipation atigue, and blurred vision.

Less Common Adverse Reactions in Adult Patients with Major Depressive Disorder

Table 23: Adverse Reactions in Short-Term, Placebo-Controlled Adjunctive Trials in Patients with Major Depressive Disorder eral Disorders and Administration Site Condition Fatique Feeling Jittery Infections and Infestations Upper Respiratory Tract Infection Weight Increased Metabolism and Nutrition Disorders Increased Appetite Musculoskeletal and Connective Tissue Disorder Arthralgia **Nervous System Disorders** Akathisia Somnolence Tremor Sedation Disturbance in Attentio Extrapyramidal Disorder Psychiatric Disorders

Adverse reactions reported by at least 2% of patients treated with adjunctive aripiprazole, except adverse reactions which had an incidence equal to or less than placebo Dose-Related Adverse Reactions

Restlessness

Insomnia

ose response relationships for the incidence of treatment-emergent adverse events were evaluated from four trials in adult patients with In the study of pediatric patients (13 to 17 years of age) with schizophrenia, three common adverse reactions appeared to have a possible dose response relationship: extrapyramidal disorder (incidences were placebo, 5.0%; 10 mg, 13.0%; 30 mg, 21.6%); somnolence (incidences were placebo, 6.0%; 10 mg, 11.0%; 30 mg, 21.6%); and tremor (incidences were placebo, 2.0%; 10 mg, 2.0%; 30 mg, 11.8%).

In the study of pediatric patients (10 to 17 years of age) with bipolar mania, four common adverse reactions had a possible dose response relationship at 4 weeks; extrapyramidal disorder (incidences were placebo, 3.1%; 10 mg, 12.2%; 30 mg, 27.3%); somnolence (incidences were placebo, 3.1%; 10 mg, 19.4%; 30 mg, 26.3%); akathisia (incidences were placebo, 2.1%; 10 mg, 8.2%; 30 mg, 11.1%); and salivar hypersecretion (incidences were placebo, 0%; 10 mg, 3.1%; 30 mg, 8.1%).

In a study of pediatric patients (6 to 17 years of age) with autistic disorder, one common adverse reaction had a possible dose response relationship: fatigue (incidences were placebo, 0%; 5 mg, 3.8%; 10 mg, 22.0%; 15 mg, 18.5%). In a study of pediatric patients (7 to 17 years of age) with Tourette's disorder, no common adverse reaction(s) had a dose response Extrapyramidal Symptoms

In short-term, placebo-controlled trials in schizophrenia in adults, the incidence of reported EPS-related events, excluding events related to akathisia, for aripiprazole-treated patients was 13% vs. 12% for placebo; and the incidence of akathisia-related events for aripiprazole-treated patients was 8% vs. 4% for placebo. In the short-term, placebo-controlled trial of schizophrenia in pediatric patients (13 to 17 years), the incidence of the placebo of ncidence of reported EPS-related events, excluding events related to akathisia, for aripiprazole-treated patients was 25% vs. 7% for placeby and the incidence of akathisia-related events for aripiprazole-treated patients was 9% vs. 6% for placebo Objectively collected data from those trials was collected on the Simpson Angus Rating Scale (for EPS), the Barnes Akathisia Scale (for

akathisia), and the Assessments of Involuntary Movement Scales (for dyskinesias). In the adult schizophrenia trials, the objectively collected data did not show a difference between aripiprazole and placebo, with the exception of the Barnes Akathisia Scale (aripiprazole, 0.08 placebo, -0.05). In the pediatric (13 to 17 years) schizophrenia trial, the objectively collected data did not show a difference between aripiprazole and placebo, with the exception of the Simpson Angus Rating Scale (aripiprazole, 0.24; placebo, -0.29). Similarly, in a long-term (26 week), placebo-controlled trial of schizophrenia in adults, objectively collected data on the Simpson Angus Rating Scale (for EPS), the Barnes Akathisia Scale (for akathisia), and the Assessments of Involuntary Movement Scales (for dyskinesias) in the short-term, placebo-controlled trials in bipolar mania in adults, the incidence of reported EPS-related events, excluding events

related to akathisia, for monotherapy aripiprazole-treated patients was 16% vs. 8% for placebo and the incidence of akathisia-related events for monotherapy aripiprazole treated patients was 13% vs. 4% for placebo. In the 6 week, placebo-controlled trial in bipolar mania for adjunctive therapy with lithium or valproate, the incidence of reported EPS-related events, excluding events related to akathisia for adjunctive aripiprazole-treated patients was 15% vs. 8% for adjunctive placebo and the incidence of akathisia-related events for adjunctive placebo. In the short-term, placebo-controlled trial in bipolar mania in pediatric (10 to 17 veers) patients was 19% vs. 5% for adjunctive placebo. In the short-term, placebo-controlled trial in bipolar mania in pediatric (10 to 17 veers) patients the incidence of reported EPS-related events excluding events related to aking for adjunctive placebo. The short-term related to a statistic for adjunctive aripiprazole treated patients was 19% vs. 5% for adjunctive placebo. years) patients, the incidence of reported EPS-related events, excluding events related to akathisia, for aripiprazole-treated pativs. 5% for placebo and the incidence of akathisia-related events for aripiprazole-treated patients was 10% vs. 2% for placebo. In the adult bipolar mania trials with monotherapy aripiprazole, the Simpson Angus Rating Scale and the Barnes Akathisia Scale showed a significant difference between aripiprazole and placebo (aripiprazole, 0.50; placebo, -0.01 and aripiprazole, 0.21; placebo, -0.05). Changes in the Assessments of Involuntary Movement Scales were similar for the aripiprazole and placebo groups. In the bipolar mania trials with aripiprazole as adjunctive therapy with either lithium or valproate, the Simpson Angus Rating Scale and the Barnes Akathisia Scale shower a significant difference between adjunctive aripiprazole and adjunctive placebo (aripiprazole, 0.73; placebo, 0.07 and aripiprazole, 0.30 placebo, 0.11). Changes in the Assessments of involuntary Movement Scales were similar or adjunctive proposed and adjunctive placebo (aripiprazole, 0.73; placebo, 0.07 and aripiprazole, 0.30 placebo, 0.11). Changes in the Assessments of involuntary Movement Scales were similar or adjunctive proposed and adjunctive placebo. placebo, 0.11). Changes in the Assessments of involuntary Movement Scales were similar for adjunctive aripiprazole and adjunctive placebo. In the pediatric (10 to 17 years), short-term, bipolar mania trial, the Simpson Angus Rating Scale showed a significant difference between aripiprazole and placebo (aripiprazole, 0.90; placebo, -0.05). Changes in the Barnes Akathisia Scale and the Assessments of Involuntary Movement Scales were similar for the aripiprazole and placebo groups.

major Depressive Uisorder
In the short-term, placebo-controlled trials in major depressive disorder, the incidence of reported EPS-related events, excluding events related to akathisia, for adjunctive aripiprazole-treated patients was 8% vs. 5% for adjunctive placebo-treated patients; and the incidence of akathisia-related events for adjunctive aripiprazole-treated patients was 25% vs. 4% for adjunctive placebo-treated patients. In the major depressive disorder trials, the Simpson Angus Rating Scale and the Barnes Akathisia Scale showed a significant difference between adjunctive aripiprazole and adjunctive placebo (aripiprazole, 0.31; placebo, 0.03 and aripiprazole, 0.22; placebo, 0.02). Changes in the Assessments of Involuntary Movement Scales were similar for the adjunctive aripiprazole and adjunctive placebo groups.

Autistic Disorder
In the short-term, placebo-controlled trials in autistic disorder in pediatric patients (6 to 17 years), the incidence of reported EPS-related events, excluding events related to akathisia, for aripiprazole-treated patients was 18% vs. 2% for placebo and the incidence of akathisia-related events for aripiprazole-treated patients was 3% vs. 9% for placebo. In the pediatric (6 to 17 years) short-term autistic disorder trials, the Simpson Angus Rating Scale showed a significant difference between aripiprazole and placebo (aripiprazole, 0.1; placebo, -0.4). Changes in the Barnes Akathisia Scale and the Assessments of Involuntary Movement Scales were similar for the aripiprazole and placebo groups. Tourette's Disorder

In the short-term, placebo-controlled trials in Tourette's disorder in pediatric patients (6 to 18 years), the incidence of reported EPS-related events, excluding events related to akathisia, for aripiprazole-treated patients was 7% vs. 6% for placebo and the incidence of akathisia-related events for aripiprazole-treated patients was 4% vs. 6% for placebo. In the pediatric (6 to 18 years) short-term Tourette's disorder trials, changes in the Simpson Angus Rating Scale, Barnes Akathisia Scale and Assessments of Involuntary Movement Scale were not clinically meaningfully different for aripiprazole and placebo.

Agitation Associated with Schizophrenia or Bipolar Mania
In the placebo-controlled trials in patients with agitation associated with schizophrenia or bipolar mania, the incidence of reported EPSrelated events excluding events related to akathisia for aripiprazole-treated patients was 2% vs. 2% for placebo and the incidence of akathisiarelated events for aripiprazole-treated patients was 2% vs. 0% for placebo. Objectively collected data on the Simpson Angus Rating Scale
(for EPS) and the Barnes Akathisia Scale (for akathisia) for all treatment groups did not show a difference between aripiprazole and placebo. . This of dystonia, prolonged abnormal contractions of muscle groups, may occur in susceptible individuals during the first few days of

treatment. Dystonic symptoms include spasm of the neck muscles, sometimes progressing to tightness of the throat, swallowing difficulty, difficulty breathing, and/or protrusion of the tongue. While these symptoms can occur at low doses, they occur more frequently and with greater severity with high potency and at higher doses of first generation antipsychotic drugs. An elevated risk of acute dystonia is observed in males and younger age groups. Additional Findings Observed in Clinical Trials Adverse Reactions in Long-Term, Double-Blind, Placebo-Controlled Trials

Adverse Reactions in Long-Term, Double-Blind, Placebo-Controlled Trials
The adverse reactions reported in a 26 week, double-blind trial comparing oral aripiprazole and placebo in patients with schizophrenia
were generally consistent with those reported in the short-term, placebo-controlled trials, except for a higher incidence of tremor [8%
(12/153) for aripiprazole vs. 2% (3/153) for placebo]. In this study, the majority of the cases of tremor were of mild intensity (8/12 mild
and 4/12 moderate), occurred early in therapy (9/12 ×49 days), and were of limited duration (7/12 ≤10 days). Tremor infrequently led to
discontinuation (<1%) of aripiprazole. In addition, in a long-term (52 weeks), active-controlled study, the incidence of tremor was 5%
(40/859) for aripiprazole. A similar profile was observed in a long-term monotherapy study and a long-term adjunctive study with lithium
and valproate in bipolar disorder. Other Adverse Reactions Observed During Clinical Trial Evaluation of Aripiprazole
The following listing does not include reactions: 1) already listed in previous tables or elsewhere in labeling, 2) for which a drug cause was remote, 3) which were so general as to be uninformative, 4) which were not considered to have significant clinical implications, or 5) which occurred at a rate equal to or less than placebo.

Reactions are categorized by body system according to the following definitions: *frequent* adverse reactions are those occurring in at least 1/100 patients; *infrequent* adverse reactions are those occurring in 1/100 to 1/1,000 patients; *rare* reactions are those occurring in fewer than 1/1,000 patients: Adults - Oral Administration

LIS - UTAL AUDITIONSTATION

Blood and Lymphatic System Disorders: rare – thrombocytopenia

Cardiac Disorders: infrequent – bradycardia, palpitations, rare – atrial flutter, cardio-respiratory arrest, atrioventricular block, atrial fibrillation, angina pectoris, myocardial ischemia, myocardial infarction, cardiopulmonary failure

Eye Disorders: infrequent – photophobia; rare – diplopia

Gastrointestinal Disorders: infrequent – gastroesophageal reflux disease

General Disorders and Administration Site Conditions: frequent – asthenia; infrequent – peripheral edema, chest pain; rare – face edema

General Disorders and Administration Site Conditions. Inequent — asternal, infrequent — perpindicular defense Hepatobiliary Disorders: rare — hepatitis, jaundice Immune System Disorders: rare — hypersensitivity Injury, Poisoning, and Procedural Complications: infrequent — fall; rare — heat stroke Investigations: Trequent — blood prolactin decreased, weight decreased, infrequent — hepatic enzyme increased, blood prolactin increased, disord urea increased, blood diactate dehydrogenase increased, gamma glutamyl transferase increased; rare — blood prolactin increased, blood urea increased, blood creatinine increased, blood bliraction increased, blood direation increased, blood prolactin increased Metabolism and Nutrition Disorders: frequent—anorexia; rare—hypokalemia, hyponatremia, hypoglycemia Musculoskeletal and Connective Tissue Disorders: infrequent—muscular weakness, muscle tightness; rare—rhabdomyolysis, mobility decreased

decreased

Nervous System Disorders: infrequent — parkinsonism, memory impairment, cogwheel rigidity, hypokinesia, trare—akinesia, myoclonus, coordination abnormal, speech disorder, Grand Mal convulsion; 11/10.000 patients—choreoathetosis

Psychiatric Disorders: infrequent — aggression, loss of libido, delirium; rare—libido increased, anorgasmia, tic, homicidal ideation, catatonia, sleep walking

Renal and Urinary Disorders: rare—urinary retention, nocturia

Reproductive System and Breast Disorders: infrequent—erectile dysfunction; rare—gynaecomastia, menstruation irregular, amenorrhea, breast pain, priapism

Respiratory, Thoracic, and Mediastinal Disorders: infrequent—nasal congestion, dyspnea

Skin and Subcutaneous Tissue Disorders: infrequent—rash, hyperhidrosis, pruritus, photosensitivity reaction, alopecia; rare—urticaria Vascular Disorders: infrequent—hypotension, hypertension

Pediatric Patients - Oral Administration

Most adverse events observed in the pooled database of 1,686 pediatric patients, aged 6 to 18 years, were also observed in the adult population. Additional adverse reactions observed in the pediatric population are listed below. Eye Disorders: infrequent – oculogyric crisis

Gastrointestinal Disorders: infrequent – tonque dry, tonque spasm Investigations: frequent - blood insulin increased Nervous System Disorders: infrequent - sleep talking Renal and Urinary Disorders: frequent – enuresis

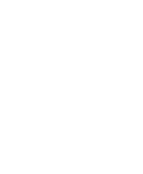
Skin and Subcutaneous Tissue Disorders: infrequent – hirsutism

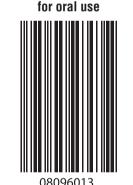
6.2 Postmarketing ExperienceThe following adverse reactions have been identified during post-approval use of aripiprazole. Because these reactions are reported to drug exposure: occurrences of allergic reaction (anaphylactic reaction, angioedema, laryngospasm, pruritus/urticaria, or oropharyngeal spasm), blood glucose fluctuation, Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS), hiccups, oculogyric crisis, and pathological gambling. 7 DRUG INTERACTIONS

7.1 Drugs Having Clinically Important Interactions with Aripiprazole

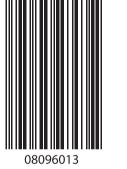
Table 25: Clinically Important Drug Interactions with Aripiprazole: Concomitant Drug Name or Drug Class Clinical Rationale Clinical Recommendation

Strong CYP3A4 Inhibitors (e.g., itracon- izole, clarithromycin) or strong CYP2D6 nhibitors (e.g., quinidine, fluoxetine, par- ixxetine)	The concomitant use of aripiprazole with strong CYP 3A4 or CYP2D6 inhibitors increased the exposure of aripiprazole compared to the use of aripiprazole alone [see Clinical Pharmacology (12.3)].	With concomitant use of aripiprazole with a strong CYP3A4 inhibitor or CYP2D6 inhibitor, reduce the aripiprazole dosage [see Dosage and Administration (2.7)].
Strong CYP3A4 Inducers (e.g., carbamaze- ine, rifampin)	The concomitant use of aripiprazole and carbamazepine decreased the exposure of aripiprazole compared to the use of aripiprazole alone [see Clinical Pharmacology (12.3)].	With concomitant use of aripiprazole with a strong CYP3A4 inducer, consider increasing the aripiprazole dosage [see <u>Dosage and Administration (2.7)</u>].
Antihypertensive Drugs	Due to its alpha adrenergic antagonism, aripiprazole has the potential to enhance the effect of certain antihypertensive agents.	Monitor blood pressure and adjust dose accordingly [see <u>Warnings and Precautions</u> (5.8)].
Benzodiazepines (e.g., lorazepam)	The intensity of sedation was greater with the combination of oral aripiprazole and lorazepam as compared to that observed with aripiprazole alone. The orthostatic hypotension observed was greater with the combination as compared to that observed with lorazepam alone [see <u>Warnings and Precautions (5.8)</u>].	Monitor sedation and blood pressure. Adjust dose accordingly.





Aripiprazole Tablets,







PRODUCT NAME Aripiprazole Tablets COUNTRY: US LOCATION: Supersedes A/W No. V. No. : 01 NO. OF COLORS: 1 REMARK: ITEM / PACK Outsert PANTONE SHADE **DESIGN STYLE** SUBSTRATE: 28 g/m2 Bible Paper Back Side CODE 8096013 Black Date Activities Department Signature DIMENSIONS (MM) 760 x 510 Prepared By Pkg. Dev. S/S ART WORK SIZE Reviewed By | Pkg. Dev. DATE 17-12-2024 Approved By Quality Font Size 6 pt Medi 10 pt

Note: Pharma code/Bar code and adjacent text must be visible on folded leaflet. These details can be moved by printed to arrange pharma code/ Bar code and adjacent text visible on folded leaflet.

In addition, no dosage adjustment is necessary for substrates of CYP2D6 (e.g., dextromethorphan, fluoxetine, paroxetine, or venlafaxine), CYP2C9 (e.g., warfarin), CYP2C9 (e.g., omeprazole, warfarin, escitalopram), or CYP3A4 (e.g., dextromethorphan) when co-administered with aripiprazole. Additionally, no dosage adjustment is necessary for valproate, lithium, lamotrigine, lorazepam, or sertraline when co-administered with aripiprazole. [see Clinical Pharmacology (12.3)].

Risk Summary

Neonates exposed to antipsychotic drugs, including aripiprazole, during the third trimester of pregnancy are at risk for extrapyramidal and/or withdrawal symptoms following delivery (see Clinical Considerations). Overall available data from published epidemiologic studies of pregnant women exposed to aripiprazole have not established a drug-associated risk of major birth defects, miscarriage, or adverse maternal or fetal outcomes (see Data). There are risks to the mother associated with untreate schizoprienia, bipolar I disorder, or major depressive disorder, and with exposure to antipsychotics, including aripiprazole, during pregnancy (see Clinical Considerations).

Distribution

The stady-state volume of distribution of soft and that from the able to middle that from the distribution to 30 mg aripiprazole tablets in healthy subjects, the solution to 30 mg aripiprazole and its main that from the able to middle that the middle than that the middle that the middle than the solution to 30 mg aripiprazole tablets in healthy subjects, the solution to 30 mg aripiprazole and its middle than that the middle than the solution to 30 mg aripiprazole able to a fine and solution to 30 mg aripiprazole tablets in healthy subjects, the solution to 30 mg aripiprazole tablets in healthy subjects, the solution to 30 mg aripiprazole and its middle and of permanence in the solution to 30 mg aripiprazole ablets in healthy subjects, the solution to 40 mg aripiprazole ablets in healthy subjects, the solution to 30 mg aripiprazole ablets in healthy subjects, the solution to 40 mg aripiprazole ablets in healthy subjects, the solution to 40 mg aripiprazole ablets in healthy subjects, the solution to 40 mg aripiprazole ablets in healthy subjects, the solution to 40 mg aripiprazole ablets in healthy subjects, the solution to 40 mg aripiprazole ablets in healthy subjects, the solution to 40 mg aripiprazole ablets in healthy subjects, the solut

In animal reproduction studies, oral and intravenous aripiprazole administration during organogenesis in rats and/or rabbits at doses 10 and 19 times, respectively, the maximum recommended human dose (MRHD) of 30 mg/day based on mg/m² body surface area, produced fetal death, decreased fetal weight, undescended testicles, delayed skeletal ossification, skeletal abnormalities, and diaphragmatic hernia. Oral and intravenous aripiprazole administration during the pre- and post-natal period in rats at doses 10 times the MRHD based on mg/m² body surface area, produced prolonged gestation, stilibirths, decreased pup weight, and decreased pup survival (see Data).

Metabolism The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. All pregnancies have a background risk of birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risk of major birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risk of major birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risk of major birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risk of major birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risk of major birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risk of major birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risk of major pirazole is metabolized primarily by three biotransformation pathways: dehydrogenation, and N-dealkylation. Based on the U.S. general population, the estimated background risk of major pirazole is metabolized primarily by three biotransformation pathways: dehydrogenation, and N-dealkylation. Based on the U.S. general population, the estimated background risk of major pirazole is metabolized primarily by three biotransformation pathways: dehydrogenation, and N-dealkylation. Based on the U.S. general population, the estimated background risk of major pirazole is metabolized primarily by three biotransformation pathways: dehydrogenation, and N-dealkylation. Based on the U.S. general population, the estimated background risk of major pirazole is metabolized primarily by three biotransformation pathways: dehydrogenation, and N-dealkylation. Based on the U.S. general population, the estimated background risk of aripiprazole is metabolized primarily by three biotransformation pathways: dehydrogenation pathways: dehydrogenation pathways: dehydrogenation pathwa Clinical Considerations

Fetal/Neonatal Adverse Reactions
Extrapyramidal and/or withdrawal symptoms, including agitation, hypertonia, hypotonia, tremor, somnolence, respiratory distress, and feeding disorder have been reported in neonates who were exposed to antipsychotic drugs (including arripiprazole) during the third trimester of pregnancy. These symptoms have varied in severity. Monitor neonates for extrapyramidal and/or withdrawal symptoms and manage symptoms appropriately. Some neonates recovered within hours or days without specific treatment; others required prolonged hespitalization.

Human Data
Published data from observational studies, birth registries, and case reports on the use of atypical antipsychotics during pregnancy do not report a clear association with antipsychotics and major birth defects. A retrospective study from a Medicaid database of 9,258 women exposed to antipsychotics during pregnancy did not indicate an overall increased risk for major birth defects.

In pregnant rats treated orally with aripiprazole during organogenesis at doses of 3, 10, and 30 mg/kg/day, which are approximately 1, 3 and 10 times the MRHD of 30 mg/day based on mg/m² body surface area, a slight prolongation of gestation and delay in fetal development, as evidenced by decreased fetal weight and undescended testes, were observed at 10 times the MRHD. Delayed skeletal ossification was observed at 3 and 10 times the MRHD. Delayed offspring had increased incidences of petadoiaphragmatic nodules and diaphragmatic hernia were observed at 10 times the MRHD. Delayed offspring had increased incidences of the petadoiaphragmatic nodules and diaphragmatic hernia were observed at 10 times the MRHD. the other dose groups were not examined for these findings). Postnatally, delayed vaginal opening was seen at 3 and 10 times the MRHD. Impaired reproductive performance (decreased fertility rate, corpora lutea, implants, live fetuses, and increased post-implantation loss, likely mediated through effects on female offspring) were observed at 10 times the MRHD, however, there was no evidence to suggest that these developmental effects were secondary to maternal toxicity. In pregnant rats injected intravenously with aripiprazole during organogenesis at doses of 3, 9, and 27 mg/kg/day, which are 1, 3, and 9 times the MRHD of 30 mg/day based on mg/m² body surface area, decreased fetal weight and delayed skeletal ossification were observed at 9 times the MRHD; this dose also caused maternal toxicity.

In pregnant rabbits treated orally with aripiprazole during organogenesis at doses of 10, 30, and 100 mg/kg/day which are 6, 19, and 65 times the MRHD of 30 mg/day based on mg/m² body surface area, decreased maternal food consumption, and increased abortions as well as increased fetal mortality were observed at 65 times the MRHD. Decreased fetal weight and increased incidence of fused sternebrae were observed at 19 and 65 times the MRHD. In pregnant rabbits injected intravenously with aripiprazole during organogenesis at doses of 3, 10, and 30 mg/kg/day, which are 2, 6, and 19 times the MRHD of 30 mg/day based on mg/m² body surface area, decreased fetal weight, increased fetal abnormalities (primarily skeletal), and decreased fetal skeletal ossification were observed at 19 times the MRHD; this dose also caused maternal toxicity. The fetal no-effect dose was 10 mg/kg/day, which is 6 times the MRHD.

In rats treated orally with aripiprazole peri- and postnatally from gestation Day 17 through postpartum Day 21 at doses of 3, 10, and 30 mg/kg/day which are 1, 3, and 10 times the MRHD of 30 mg/day based on mg/m² body surface area slight maternal toxicity and slightly prolonged gestation were observed at 10 times the MRHD. An increase in stillbirths and, decreases in pup weight (persisting into adulthood) and surface area at this decrease in the day of the still be the

In rats injected intravenously with aripiprazole from gestation Day 6 through lactation Day 20 at doses of 3, 8, and 20 mg/kg/day, which are 1, 3, and 6 times the MRHD of 30 mg/day based on mg/m² body surface area, increased stillbirths were observed at 3 and 6 times the MRHD; and decreases in early postnatal pup weight and survival were observed at 6 times the MRHD; these doses also caused some maternal toxicity. There were no effects on postnatal behavioral and reproductive development. 8.2 Lactation

Risk Summary
Limited data from published literature report the presence of aripiprazole in human breast milk, at relative infant doses ranging between 0.7% to 8.3% of the maternal weight-adjusted dosage. There are reports of poor weight gain in breastfed infants exposed to aripiprazole and reports of inadequate milk supply in lactating women taking aripiprazole. The development and health benefits of breastfeeding should be considered along with the mother's clinical need for arinjurazole and any potential adverse effects on the breastfed infant from aripiprazole or from the underlying maternal condition

The effect of aripiprazole on the exposures of other drugs are summarized in Figure 3. A population PK analysis in patients with major depressive disorder or agitation associated with schizophrenia or bipolar mania blished.

The effect of aripiprazole on the exposures of other drugs are summarized in Figure 3. A population PK analysis in patients with major depressive disorder showed no substantial change in plasma concentrations of fluoxetine (20 or 40 mg/day), paroxetine CR (37.5 or 50 mg/day), or sertraline (100 or 150 mg/day) dosed to steady-state. The steady-state plasma concentrations of fluoxetine and 8.4 Pediatric Use have not been established The pharmacokinetics of aripiprazole and dehydro-aripiprazole in pediatric patients, 10 to 17 years of age, were similar to those in adults after correcting for the differences in body weight *[see <u>Clinical Pharmacology (12.3)</u>]*

afety and effectiveness in pediatric patients with schizophrenia were established in a 6 week, placebo-controlled clinical trial in 202 ediatric patients aged 13 to 17 years *[see <u>Dosage and Administration (2.1)</u>, <u>Adverse Reactions (6.1)</u>, and <u>Clinical Studies (14.1)</u>]. Although naintenance efficacy in pediatric patients has not been systematically evaluated, maintenance efficacy can be extrapolated from adult data* sons of aripiprazole pharmacokinetic parameters in adult and pediatric patients.

pediatric patients aged 10 to 17 years *(see Dosage and Administration (2.2). Adverse Reactions (6.1), and Clinical Studies (14.2)).* Although maintenance efficacy in pediatric patients has not been systematically evaluated, maintenance efficacy can be extrapolated from adult data along with comparisons of aripiprazole pharmacokinetic parameters in adult and pediatric patients. The efficacy of adjunctive aripiprazole with concomitant lithium or valproate in the treatment of manic or mixed episodes in pediatric patients has not been systematically evaluated. However, such efficacy and lack of pharmacokinetic interaction between aripiprazole and lithium or valproate can be extrapolated from adult data, along with comparisons of aripiprazole pharmacokinetic parameters in adult and pediatric patients.

Irritability Associated with Autistic Disorder
Safety and effectiveness in pediatric patients demonstrating irritability associated with autistic disorder were established in two 8 week, placebo-controlled clinical trials in 212 pediatric patients aged 6 to 17 years [see Indications and Usage (1), Dosage and Administration (2.4), Adverse Reactions (6.1), and Clinical Studies (14.4)]. A maintenance trial was conducted in pediatric patients (6 to 17 years of age) with irritability associated with autistic disorder. The first phase of this trial was an open-label, flayly dosed (aripiprazole 2 to 15 mg/day) phase in which patients were stabilized (defined as >25% improvement on the ABC-I subscale, and a CGI-I rating of "much improved" or "very much improved") on aripiprazole for 12 consecutive weeks. Overall, 85 patients were stabilized and entered the second, 16 week, double-blind phase where they were randomized to either continue aripiprazole treatment or switch to placebo. In this trial, the efficacy of aripiprazole for the maintenance treatment of irritability associated with autistic disorder was not established.

Founciers Disorder

Safety and effectiveness of aripiprazole in pediatric patients with Tourette's Disorder were established in one 8 week (aged 7 to 17 years) and one 10 week trial (aged 6 to 18 years) in 194 pediatric patients [see Dosage and Administration (2.5), Adverse Reactions (6.1), and Clinical Studies (14.5)]. Maintenance efficacy in pediatric patients has not been systematically evaluated.

Juvenile Animal Studies
Aripiprazole in juvenile rats caused mortality, CNS clinical signs, impaired memory and learning, and delayed sexual maturation when administered at oral doses of 10, 20, 40 mg/kg/day from weaning (21 days old) through maturity (80 days old). At 40 mg/kg/day, mortality, decreased activity, splayed hind limbs, hunched posture, ataxia, tremors and other CNS signs were observed in both genders. In addition, delayed sexual maturation was observed in males. At all doses and in a dose-dependent maner, impaired memory and learning, increased motor activity, and histopathology changes in the pituitary (atrophy), adrenals (adrenocortical hypertrophy), mamary glands (hyperplasia and increased secretion), and female reproductive organs (vaginal mucilication, endometrial atrophy, decrease in ovarian corpora lutea) were observed. The changes in female reproductive organs were considered secondary to the increase in prolactin serum levels. A No Observed Adverse Effect Level (NOAEL) could not be determined and, at the lowest tested dose of 10 mg/kg/day, there is no safety margin relative to the systemic exposures (AUC_{0, 10, 24}) for aripiprazole or its major active metabolite in adolescents at the maximum recommended pediatric dose of 15 mg/day. All drug-related effects were reversible after a 2 month recovery period, and most of the drug effects in juvenile rats were also observed in adult rats from previously conducted studies.

Aripiprazole in juvenile dogs (2 months old) caused CNS clinical signs of tremors, hypoactivity, ataxia, recumbency and limited use of hind limbs when administered orally for 6 months at 3, 10, 30 mg/kg/day. Mean body weight and weight gain were decreased up to 18% in females in all drug groups relative to control values. A NOAEL could not be determined and, at the lowest tested dose of 3 mg/kg/day, there is no safety margin relative to the systemic exposures (AUC_{10, 10, 24}) for aripiprazole or its major active metabolite in adolescents at the maximum recommended pediatric dose of 15 mg/day. All drug-related effects were reversible after a 2 month recovery period.

lo dosage adjustment is recommended for elderly patients [see <u>Boxed Warning, Warnings and Precautions (5.1)</u>, and <u>Clinical Pharmacology</u> Of the 13,543 patients treated with oral aripiprazole in clinical trials, 1,073 (8%) were ≥65 years old and 799 (6%) were ≥75 years old. Placebo-controlled studies of oral aripiprazole in schizophrenia, bipolar mania, or major depressive disorder did not include sufficient numbers of patients aged 65 and over to determine whether they respond differently from younger patients. Aripiprazole is not approved for the treatment of patients with psychosis associated with Alzheimer's disease [see <u>Boxed Warning</u> and <u>Warnings and Precautions (5.1)</u>].

8.6 CYP2D6 Poor Metabolizers Dosage adjustment is recommended in known CYP2D6 poor metabolizers due to high aripiprazole concentrations. Approximately 8% of Caucasians and 3 to 8% of Black/African Americans cannot metabolize CYP2D6 substrates and are classified as poor metabolizers (PM) [see Dosage and Administration (2.7) and Clinical Pharmacology (12.3)].

8.7 Hepatic and Renal Impairment
No dosage adjustment for arbiprazole is required on the basis of a patient's hepatic function (mild to severe hepatic impairment, Child-Pugh score between 5 and 15), or renal function (mild to severe renal impairment, glomerular filtration rate between 15 and 90 mL/minute) [see Clinical Pharmacology (12.3)].

8.8 Other Specific Populations
No dosage adjustment for aripiprazole is required on the basis of a patient's sex, race, or smoking status [see Clinical Pharmacology (12.3)]. 9 DRUG ABUSE AND DEPENDENCE

9.1 Controlled Substance

ase ole has not been systematically studied in humans for its potential for abuse, tolerance, or physical dependence. Consequently Aripiprazole has not been systematically studied in humans for its potential for abuse, tolerance, or physical dependence. Consequently, patients should be evaluated carefully for a history of drug abuse, and such patients should be observed closely for signs of aripiprazole misuse or abuse (e.g., development of tolerance, increases in dose, drug-seeking behavior). 9.3 Dependence

9.3 Dependence
In physical dependence studies in monkeys, withdrawal symptoms were observed upon abrupt cessation of dosing. While the clinical trials did not reveal any tendency for any drug-seeking behavior, these observations were not systematic and it is not possible to predict on the basis of this limited experience the extent to which a CNS-active drug will be misused, diverted, and/or abused once marketed. 10 OVERDOSAGE MedDRA terminology has been used to classify the adverse reactions

o clinical trials and in postmarketing experience, adverse reactions of deliberate or accidental overdosage with oral aripiprazole have been reported worldwide. These include overdoses with oral aripiprazole alone and in combination with other substances. No fatality was reported with aripiprazole alone. The largest known dose with a known outcome involved acute ingestion of 1,260 mg of oral aripiprazole (42 times the maximum recommended daily dose) by a patient who fully recovered. Deliberate or accidental overdosage was also reported in children (age 12 years and younger) involving oral aripiprazole ingestions up to 195 mg with no fatalities. Common adverse reactions (reported in at least 5% of all overdose cases) reported with oral aripiprazole overdosage (alone or in

or consciousness, hypertension, hypokalemia, hypotension, lethargy, loss of consciousness, QRS complex prolonged, QI prolonged, prolonged and application group (9) was similar to that in the placebo group (11).

10.2 Management of Overdosage

No specific information is available on the treatment of overdose with aripiprazole group (9) was similar to that in the placebo group (11).

No specific information is available on the treatment of overdose with aripiprazole group (9) was similar to that in the placebo group (9). Was similar to that in the placebo group (9). Was similar to that in the placebo group (9) was similar to that in the placebo group (9). Was similar to that in the placebo group (9). Was similar to that in the placebo group (9) was similar to that in the placebo group (11).

An examination of population subgroups did not reveal any clear evidence of differential responsiveness on the aripiprazole was in the aripiprazole was i Hemodialysis: Although there is no information on the effect of hemodialysis in treating an overdose with aripiprazole, hemodialysis is

Aripiprazole, USP is an atypical antipsychotic drug that is available as aripiprazole tablets, USP. Aripiprazole, USP is 7-[4-[4-(2.3-dichlorophenyl)-1-piperazinyl] butoxy]-3,4-dihydrocarbostyril. The empirical formula is $C_{23}H_{27}Cl_2N_3O_2$ and its molecular weight is 448.39. The chemical structure is: 11 DESCRIPTION N°CH₂CH₂CH₂CH₂O

Aripiprazole tablets, USP are available in 2 mg, 5 mg, 10 mg, 15 mg, 20 mg, and 30 mg strengths. Inactive ingredients include colloidal silicon dioxide, crospovidone, hydroxypropyl cellulose, magnesium stearate, mannitol and microcrystalline cellulose. Additionally, 2 mg tablets contain ferric oxide yellow.

7.2 Drugs Having No Clinically Important Interactions with Aripiprazole
Based on pharmacokinetic studies, no dosage adjustment of aripiprazole is required when administered concomitantly with famotidine, valproate, lithium, lorazepam.

single-dose pharmacokinetics of aripiprazole is dose-proportional. Elimination of aripiprazole is mainly through hepatic metabolism involving two P450 isozymes, CYP2D6 and CYP3A4. For CYP2D6 poor metabolizers, the mean elimination half-life for aripiprazole is about 146 hours.

8.1 Pregnancy
Pregnancy Exposure Registry
There is a pregnancy exposure registry that monitors pregnancy in Application of the Pregnancy outcomes in women exposed to atypical antipsychotics, including ariphrazole, during pregnancy. Healthcare providers are encouraged to register patients by contacting the National Pregnancy Registry of Applical Antipsychotics at 1-866-961-2388 or visit http://womensmentalhealth.org/clinical-and-researchprograms/pregnancyregistry.

Risk Summary

Iablet: Aripiprazole is well absorbed after administration of the tablet, with peak plasma concentrations occurring within 3 hours to 5 hours; the absolute oral bioavailability of the tablet formulation is 87%. Aripiprazole on the administration of the tablet formulation is 87% and represent trials in pediatric patients (ages 6 to 18 years) with Tourette's disorder [see Clinical Studies (14.5)]

14.1 Schizophrenia

Adults.

The efficacy of aripiprazole in the treatment of schizophrenia was evaluated in five short-term (4 week and 6 week), placebo-controlled trials of acutely relapsed inpatients who predominantly met DSM-III/IV criteria for schizophrenia Four of the five trials was able to distinguish the solution were higher trials in pediatric patients (ages 6 to 18 years) with Tourette's disorder [see Clinical Studies (14.5)]

14.1 Schizophrenia

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14.1 Schizophrenia

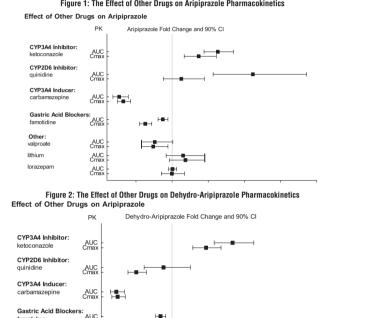
15.1 Folian schizophrenia was evaluated in five short-term trials in pediatric patients (ages 6 to 18 years) with Tourette's disorder [see Clinical Studies (14.5)]

15.2 Folian schizophrenia was eval Trail Solution: Aripiprazole is well absorbed when administered orally as the solution. At equivalent doses, the plasma concentrations of acutely relapsed inpatients who predominantly met DSM-III/IV criteria for schizophrenia. Four of the five trials were able to distinguish of aripiprazole from the solution were higher than that from the tablet formulation. In a relative bioavailability study comparing the partmacokinetics of 30 mg aripiprazole as the oral solution to 30 mg aripiprazole tablets in healthy subjects, the solution to tablet ratios of geometric mean C_{max} and AUC values were 122% and 114%, respectively */see Dosage and Administration (2.6)*. The single-dose pharmacokinetics of aripiprazole were linear and dose-proportional between the doses of 5 mg to 30 mg.

In the four positive trials for aripiprazole, four primary measures were used for acipiprazole signs and symptoms. Efficacy was

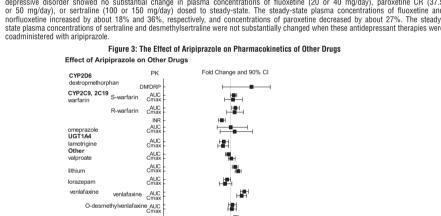
> extravascular distribution. At therapeutic concentrations, aripiprazole and its major metabolite are greater than 99% bound to serum proteins primarily to albumin. In healthy human volunteers administered 0.5 to 30 mg/day aripiprazole for 14 days, there was dose-dependent D_a recentor occupancy indicating brain penetration of ariniprazole in humans

In a 6 week trial (n=420) comparing three fixed doses of aripiprazole (10, 15, or 20 mg/day) to placebo, all three doses of aripiprazole were therapy (1 to 3 cours active metabolite, represents about 40% of aripiprazole AUC in plasma.

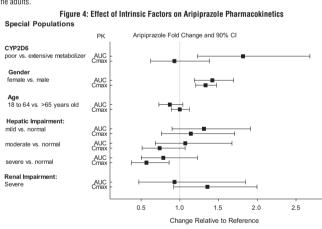


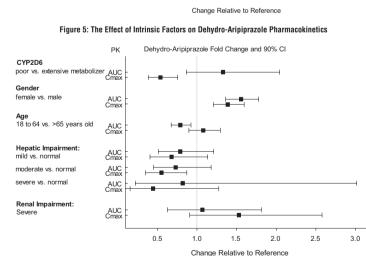
AUC -lorazepam Change Relative to Reference (without interacting drug)

AUC -Cmax -



Exposure of aripiprazole and dehydro-aripiprazole in specific populations are summarized in Figure 4 and Figure 5, respectively. In addition, in pediatric patients (10 to 17 years of age) administered with aripiprazole (20 mg to 30 mg), the body weight corrected aripiprazole clearance was similar to the adults.





13 NONCLINICAL TOXICOLOGY 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis

Lifetime carcinogenicity studies were conducted in ICR mice. F344 rats, and Sprague-Dawley (SD) rats. Aripiprazole was administered for 2 combination with other substances) include vomiting, somnolence, and tremor. Other clinically important signs and symptoms observed in one or more patients with aripiprazole overdoses (alone or with other substances) include acidosis, aggression, aspartate aminotransferase increased, depressed lepton, blood creating hosphokinase increased, depressed lepton, blood creating hosphokinase increased, depressed lepton, blood creating hosphokinase increased, depressed lepton hosphokinase increased, and 3 times the MRHD of 30 mg/day based on mg/m² body surface area, respectively). In addition, SD rats were dosed orally for 2 years of consciousness, hypertension, hypotension, lethargy, loss of consciousness, QRS complex prolonged, QT prolonged, and 3 times the MRHD based on mg/m² body surface area, respectively). In addition, SD rats were dosed orally for 2 years at 10, 20, 40, and 60 mg/kg/day, which are 3, 6, 13 and 19 times the MRHD based on mg/m² body surface area. Aripiprazole was adm1 inistered for 3.

> female rats in 4 week and 13 week dietary studies at the dose associated with mammary gland tumors. The relevance for human risk of the findings of prolactin-mediated endocrine tumors in rodents is unclear in vitro forward gene mutation assay in mouse lymphoma cells, the in vitro chromosomal aberration assay in Chinese hamster lung (CHL cells, the in vivo micronucleus assay in mice, and the unscheduled DNA synthesis assay in rats. Aripiprazole and a metabolite (2,3-DCPP)

> were clastogenic in the in vitro chromosomal aberration assay in CHL cells with and without metabolic activation. The metabolite, 2.3-DCPF increased numerical aberrations in the in vitro assay in CHL cells in the absence of metabolic activation. A positive response was obtained in he *in vivo* micronucleus assay in mice; however, the response was due to a mechanism not considered relevant to humans impairment or returny.
>
> Female rats were treated orally with aripiprazole from 2 weeks prior to mating through gestation Day 7 at doses of 2, 6, and 20 mg/kg/day, which are 0.6, 2, and 6 times the MRHD of 30 mg/day based on mg/m² body surface area. Estrus cycle irregularities and increased corpora

lutea were seen at all doses, but no impairment of fertility was seen. Increased pre-implantation loss was seen at 2 and 6 times the MRHI and decreased fetal weight was seen at 6 times the MRHD.

patients (ages 10 to 17 years) with manic or mixed episodes [see Clinical Studies (14.2)]
One maintenance monotherapy trial and one maintenance adjunctive trial in adult patients with bipolar I disorder [see Clinical Studies] [14.2]
Two short-term trials in adult patients with MDD who had an inadequate response to antidepressant therapy during the current episode *[see Clinical Studies (14.3)]* Two short-term trials in pediatric patients (ages 6 to 17 years) for the treatment of irritability associated with autistic disorder *[see*

In the four positive trials for aripiprazole, four primary measures were used for assessing psychiatric signs and symptoms. Efficacy was evaluated using the total score on the Positive and Negative Syndrome Scale (PANSS). The PANSS is a 30 item scale that measures positive symptoms of schizophrenia (7 items), eagative symptoms of schizophrenia (7 items), and general psychopathology (16 items), each rated on a scale of 1 (absent) to 7 (extreme); total PANSS scores range from 30 to 210. The Clinical Global Impression (CGI) assessment reflects the impression of a skilled observer, fully familiar with the manifestations of schizophrenia, about the overall clinical state of the patient. In a 4 week trial (n=414) comparing two fixed doses of aripiprazole (15 or 30 mg/day) to placebo, both doses of aripiprazole were superior to placebo in the PANSS total score (Study 1 in Table 26), PANSS positive subscale, and CGI-severity score. In addition, the 15 mg dose was superior to placebo in the PANSS negative subscale.

A prospective, longitudinal study followed 201 pregnant women with a history of major depressive disorder who were euthymic and taking and tidepressants at the beginning of pregnancy. The women who discontinued antidepressants during pregnancy were more likely to experience a relapse of major depression than women who continued antidepressants. Consider the risk of untreated depression when discontinuing or changing treatment with antidepressant medication during pregnancy and postpartum.

Fetal/Neonatal Adverse Reactions

Thus, the efficacy of 10, 15, 20, and 30 mg daily doses was established in the pressive disorder who were euthymic and taking and study followed 201 pregnant women with a history of major depressive disorder who were euthymic and taking and study followed 201 pregnant women with discontinued antidepressants during pregnancy. The women who discontinued antidepressants during pregnancy were more likely on the exposures of aripiprazole and edhydro-aripiprazole and dehydro-aripiprazole and dehydro-aripiprazole and edhydro-aripiprazole and dehydro-aripiprazole and dehydro-aripiprazole and dehydro-aripiprazole and dehydro-aripiprazole and sesses the degree of depressive symptomatology. The key secondary instrument was the Sheenan Disability of other drugs on the exposures of aripiprazole and sesses the degree of depressive symptomatology. The key secondary instrument was the Sheenan Disability of other drugs on the exposures of other drugs on the exposures of aripiprazole and sesses the degree of depressive symptomatology. The key secondary instrument was the Sheenan Disability of other drugs on the exposures of other drugs on the exposures of aripiprazole and sesses the degree of depressive symptomatology. The key secondary instrument was the Sheenan Disability of other drugs on the exposures of other drugs o Thus, the efficacy of 10, 15, 20, and 30 mg daily doses was established in two studies for each dose. Among these doses, there was no holders by the bigher dose group of these druges.

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Medication Guide).

18 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient to read A longer-term trial enrolled 310 inpatients or outpatients meeting DSM-IV criteria for schizophrenia who were, by history, symptomatically stable on other antipsychotic medications for periods of 3 months or longer. These patients were discontinued from their antipsychotic medications and randomized to aripiprazole 15 mg/day or placebo for up to 26 weeks of observation for relapse. Relapse during the double-blind phase was defined as GGI-improvement score of 25 (minimally worse), scores ≥5 (moderately severe) on the hostility or uncooperativeness items of the PANSS, or ≥20% increase in the PANSS total score. Patients receiving aripiprazole 15 mg/day experienced a uncooperativeness items of the PANSS, or ≥20% increase in the PANSS total score. Patients receiving aripiprazole 15 mg/day experienced a uncooperativeness items of the PANSS, or ≥20% increase in the PANSS total score. Patients receiving aripiprazole 15 mg/day experienced a uncooperativeness items of the PANSS, or ≥20% increase in the PANSS total score. Patients receiving aripiprazole 15 mg/day experienced a uncooperativeness items of the PANSS, or ≥20% increase in the PANSS total score. Patients receiving aripiprazole 15 mg/day experienced a uncooperativeness items of the PANSS, or ≥20% increase in the PANSS total score. Patients receiving aripiprazole 15 mg/day experienced a uncooperativeness items of the PANSS, or ≥20% increase in the PANSS total score. Patients receiving aripiprazole 45 mg/day experienced a uncooperativeness items of the PANSS, or ≥20% increase in the PANSS total score. Patients received aripiprazole day. Based on tolerability and efficacy, doses could be adjusted by 5 mg increments, one week apart. Allowable doses were: 2, 5, 10, 15 mg/day, and for patients who were not on potent and the patients are uncooperativeness.

perior to placebo in the PANSS total score (Study 3 in Table 26), PANSS positive subscale, and the PANSS negative subscale.

Pediatric Patients
The efficacy of aripiprazole in the treatment of schizophrenia in pediatric patients (13 to 17 years of age) was evaluated in one 6-week, placebo-controlled trial of outpatients who met DSM-IV criteria for schizophrenia and had a PANSS score ≥70 at baseline. In this trial (n=302) comparing two fixed doses of aripiprazole (10 or 30 mg/day) to placebo, aripiprazole was titrated starting from 2 mg/day to the target dose in 5 days in the 10 mg/day treatment arm and in 11 days in the 30 mg/day treatment arm. Both doses of aripiprazole were superior to Table 28: Adjunctive Treatment of Major Depressive Disorder Studies Study Number Treatment Group placebo in the PANSS total score (Study 6 in Table 26), the primary outcome measure of the study. The 30 mg/day dosage was not shown to be more efficacious than the 10 mg/day dose. Although maintenance efficacy in pediatric patients has not been systematically evaluated, maintenance efficacy can be extrapolated from adult data along with comparisons of aripiprazole pharmacokinetic parameters in adult and pediatric patients.

Study Number		Primary Efficacy Measure: PANSS			
	Treatment Group	Mean Baseline Score (SD)	LS Mean Change from Base- line (SE)	Placebo- subtracted Differ- ence (95%CI)	
Study 1	Aripiprazole (15mg/day)† Aripiprazole (30mg/day)† Placebo	98.5(17.2) 99.0(19.2) 100.2(16.5)	-15.5(2.40) -11.4(2.39) -2.9(2.36)	-12.6(-18.9,-6.2) -8.5(-14.8,-2.1)	
Study 2	Aripiprazole (20mg/day)† Aripiprazole (30mg/day)† Placebo	92.6(19.5) 94.2(18.5) 94.3(18.5)	-14.5(2.23) -13.9(2.24) -5.0(2.17)	-9.6(-15.4,-3.8) -9.0(-14.8,-3.1)	
Study 3	Aripiprazole (10mg/day)† Aripiprazole (15 mg/day)† Aripiprazole (20 mg/day)† Placebo	92.7(19.5) 93.2(21.6) 92.5(20.9) 92.3(21.8)	-15.0(2.38) -11.7(2.38) -14.4(2.45) -2.3(2.35)	-12.7(-19.00,-6.14 -9.4(-15.17,-3.08 -12.1(-18.53,-5.68	
Study 4	Aripiprazole (2 mg/day) Aripiprazole (5 mg/day) Aripiprazole (10 mg/day)† Placebo	90.7(14.5) 92.0(12.6) 90.0(11.9) 90.8(13.3)	-8.2(1.90) -10.6(1.93) -11.3(1.88) -5.3(1.97)	-2.9(-8.29,2.47) -5.2(-10.7,0.19) -5.9(-11.3,-0.58)	
Study 6 (Pediatric, 13 to 17 years)	Aripiprazole (10 mg/day)† Aripiprazole (30 mg/day)† Placebo	93.6(15.7) 94.0(16.1) 94.6(15.6)	-26.7(1.91) -28.6(1.92) -21.2(1.93)	-5.5(-10.7,-0.21) -7.4(-12.7,-2.13)	

s statistically significantly superior to placebo. Figure 6: Kaplan-Meier Estimation of Cumulative Proportion of Patients with Relapse (Schizophrenia Study 5) -- ARIPIPRAZO

ARIPIPRAZOLE 148 138 111 104 96 92 88 84 78 76 75 73 71 22 PLACEBO 149 139 105 89 76 66 59 53 50 49 46 46 45 12

0 14 28 42 56 70 84 98 112 126 140 154 168 182

Table 27: Bipolar Studies

Table 26: Schizophrenia Studies

Monotherapy
The efficacy of aripiprazole as monotherapy in the acute treatment of manic episodes was established in four 3 week, placebo-controlled trials in hospitalized patients who met the DSM-IV criteria for bipolar I disorder with manic or mixed episodes. These studies included patients with no spitalized patients with or without a rapid-cycling course. along 5 different dimensions on a scale of 0 to 5 for motor and vocal tics each. Summation of these 10 scores provides a TTS (i.e., 0 to 50) The primary instrument used for assessing manic symptoms was the Young Mania Rating Scale (Y-MRS), an 11 item clinician-rated scale traditionally used to assess the degree of manic symptomatology in a range from 0 (no manic features) to 60 (maximum score). A key secondary instrument included the Clinical Global Impression-Bipolar (CGI-BP) Scale.

The results of these trials are as follows:
In the 8 week, placebo-controlled, fixed-dose trial, children and adolescents with Tourette's disorder (n=133), aged 7 to 17 years, were randomized 1:1:1 to low dose aripiprazole, high dose aripiprazole, or placebo. The target dose for the low and high dose aripiprazole group started at 2 mg per day with a target dose of 5 mg per day after 2 days. Patients >50 kg in the low dose aripiprazole group started at 2 mg per day increased to 5 mg per day increa were based on weight. Patients <0 kg in the low dose arpiprazole group started at 2 mg per day with a target dose of 5 mg per day after 2 days. Patients ≥50 kg in the low dose aripiprazole group, started at 2 mg per day increased to 5 mg per day after 2 days, with a subsequent increase to a target dose of 10 mg per day at Day 7. Patients <50 kg in the high dose aripiprazole group started at 2 mg per day increased to 5 mg per day after 2 days, with a subsequent increase to a target dose of 10 mg per day at Day 7. Patients ≥50 kg in the high dose aripiprazole group, started at 2 mg per day increased to 5 mg per day after 2 days, with a subsequent increase to a dose of 10 mg per day at Day 7 and were allowed weekly increases of 5 mg per day up to a target dose 20 mg per day at Day 21. Aripiprazole (both high and low dose groups) demonstrated statistically significantly improved scores on the YGTSS TTS (Study 1 in 26 a) and on the CGI-TS scale compared with placebo. The estimated improvements on the YGTSS TTS over the course of the study are displayed in Figure 9. In the four positive, 3 week, placeho-controlled trials (n=268; n=248; n=480; n=485) which evaluated arinjorazole in a range of 15 mg to 30

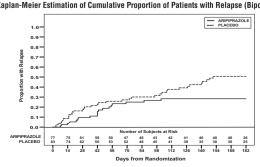
Primary Efficacy Measure: Y-MRS

LS Mean

mg, once daily (with a starting dose of 30 mg/day in two studies and 15 mg/day in two studies), aripiprazole was superior to placebo in the reduction of Y-MRS total score (Studies 1 to 4 in Table 27) and CGI-BP Severity of Illness score (mania). In the two studies with a starting dose of 15 mg/day, 48% and 45% of patients were on 15 mg/day at endpoint. In the two studies with a starting dose of 30 mg/day at endpoint. Adjunctive Therapy
The efficacy of adjunctive aripiprazole with concomitant lithium or valproate in the treatment of manic or mixed episodes was established in a 6 week, placebo-controlled study (n=384) with a 2 week lead-in mood stabilizer monotherapy phase in adult patients who met DSM-IV criteria for bipolar I disorder. This study included patients with manic or mixed episodes and with or without psychotic features. Patients were initiated on open-label lithium (0.6 to 1.0 mEq/L) or valproate (50 to 125 mcg/mL) at therapeutic serum levels and remained on stable doses for 2 weeks. At the end of 2 weeks, patients demonstrating inadequate response (Y-MRS total score ≥16 and ≤25% improvement on the Y-MRS total score) to lithium or valproate were randomized to receive either aripiprazole (15 mg/day or an increase to 30 mg/day as early as Day 7) or placebo as adjunctive therapy with open-label lithium or valproate. In the 6 week, placebo-controlled phase, adjunctive aripiprazole starting at 15 mg/day with concomitant lithium or valproate (in a therapeutic range of 0.6 to 1.0 mEq/L or 50 to 125 mcg/mL, respectively) was superior to lithium or valproate with adjunctive placebo in the reduction of the Y-MRS total score (Study 5 in Table 27) and CGI-BP Severity of Illness score (mania). Seventy-one percent of the patients coadministered valproate and 62% of the patients coadministered lithium were on 15 mg/day at 6 week endpoint.

<u>Pediatric Patients</u>
The efficacy of aripiprazole in the treatment of bipolar I disorder in pediatric patients (10 to 17 years of age) was evaluated in one 4 week, placebo-controlled trial (n=296) of outpatients who met DSM-IV criteria for bipolar I disorder manic or mixed episodes with or without psychotic features and had a Y-MRS score ≥20 at baseline. This double-blind, placebo-controlled trial compared two fixed doses of aripiprazole (10 or 30 mg/day) to placebo. The aripiprazole dose was started at 2 mg/day, which was titrated to 5 mg/day after 2 days, and to the target dose in 5 days in the 10 mg/day treatment arm, and in 13 days in the 30 mg/day treatment arm. Both doses of aripiprazole were superior to placebo in change from baseline to Week 4 on the Y-MRS total score (Study 6 in Table 27).

Study Number	Treatment Group	Mean Baseline Score (SD)	Change From Baseline (SE)	subtracted difference (95%CI)
Study 1	Aripiprazole (30 /15 mg/day)†	29.0 (5.9)	-12.52 (1.05)	-5.33 (-7.90, -2.76)
	Placebo	28.5 (4.6)	-7.19 (1.07)	
Study 2	Aripiprazole (30/15 mg/day)†	27.8 (5.7)	-8.15 (1.23)	-4.80 (-7.80, -1.80)
	Placebo	29.1 (6.9)	-3.35 (1.22)	
Study 3	Aripiprazole (15 to 30 mg/day)†	28.5 (5.6)	-12.64 (0.84)	-3.63 (-5.75, -1.51)
	Placebo	28.9 (5.9)	-9.01 (0.81)	
Study 4	Aripiprazole (15 to 30 mg/day) [†]	28.0 (5.8)	-11.98 (0.80)	-2.28 (-4.44, -0.11)
	Placebo	28.3 (5.8)	-9.70 (0.83)	
Study 5	Aripiprazole (15 or 30 mg/day)† + Lithium/Valproate Placebo + Lithium/Valproate	23.2 (5.7) 23.0 (4.9)	-13.31 (0.50) -10.70 (0.69)	-2.62 (-4.29, -0.95)
Study 6	Aripiprazole (10 mg/day)†	29.8 (6.5)	-14.2 (0.89)	-5.99 (-8.49, -3.50)
(Pediatric,	Aripiprazole (30 mg/day)†	29.5 (6.3)	-16.5 (0.87)	-8.26 (-10.7, -5.77)
10 to 17 years)	Placebo	30.7 (6.8)	-8.2 (0.91)	



12. CLINICAL PHARMACOLOGY

12. Mechanism of Action

13. Mechanism of Action

14. Mechanism of Action

15. Pharmacodynamics

16. Pharmacodynamics

17. Aniphrazole de Anibus, receptors.

18. Aniphrazole de Anibus, r

olan-Meier Estimation of Cumulative Proportion of Patients with Relapse to Any Mood Event (Bipolar Study 8)	Aripiprazole tablets, USP 5 mg are white to off-white, round, uncoated tablets, debossed with "5" on one side and "17" on other side.
——————————————————————————————————————	Bottles of 30 NDC 13668-217-30 Bottles of 90 NDC 13668-217-90 Bottles of 100 NDC 13668-217-01 Bottles of 500 NDC 13668-217-05 Bottles of 6250 NDC 13668-217-69
0.9- 90.08- 199 0.7-	Aripiprazole tablets, USP 10 mg are white to off-white, round, uncoated tablets, debossed with "10" on one side and "18" on other side. Bottles of 30 NDC 13668-218-30
26 06- 10 06 04- 10 06 04-	Bottles of 90 NDC 13668-218-90 Bottles of 100 NDC 13668-218-01 Bottles of 500 NDC 13668-218-05 Bottles of 7000 NDC 13668-218-82
8 02-	Aripiprazole tablets, USP 15 mg are white to off-white, round, uncoated tablets, debossed with "15" on one side and "19" on other side. Bottles of 30 NDC 13668-219-30
0.1 0.0 Number of Subjects at Risk ARPHPARADLE 166 157 146 137 133 129 126 124 120 112 110 109 109 72 PACKED 169 159 151 146 139 127 117 111 104 100 98 93 91 68	Bottles of 90 NDC 13668-219-90 Bottles of 100 NDC 13668-219-01 Bottles of 500 NDC 13668-219-05 Bottles of 500 NDC 13668-219-51
0 28 56 84 112 140 168 196 224 252 280 308 336 364	Aripiprazole tablets, USP 20 mg are white to off-white, round, uncoated tablets, debossed with "20" on both sides. Bottles of 30 NDC 13668-220-30
Days From Randomization subgroups did not reveal any clear evidence of differential responsiveness on the basis of age and gender; insufficient numbers of patients in each of the ethnic groups to adequately assess inter-group differences.	Bottles of 90 NDC 13668-220-90 Bottles of 100 NDC 13668-220-01 Bottles of 500 NDC 13668-220-05 Bottles of 3400 NDC 13668-220-68
eatment of Major Depressive Disorder	Aripiprazole tablets, USP 30 mg are white to off-white, round, uncoated tablets, debossed with "30" on one side and "21" on other side.
prazole in the adjunctive treatment of major depressive disorder (MDD) was demonstrated in two short-term (6 week), rials of adult patients meeting DSM-IV criteria for MDD who had had an inadequate response to prior antidepressant urses) in the current episode and who had also demonstrated an inadequate response to 8 weeks of prospective apy (paroxetine controlled-release, venlafaxine extended-release, fluoxetine, escitalopram, or sertraline). Inadequate ective treatment was defined as less than 50% improvement on the 17 item version of the Hamilton Depression 1171, minimal HAMD17 score of 14, and a Clinical Global Improvement rating of no better than minimal.	Bottles of 30 NDC 13668-221-30 Bottles of 90 NDC 13668-221-90 Bottles of 100 NDC 13668-221-01 Bottles of 500 NDC 13668-221-05 Bottles of 2500 NDC 13668-221-31

Discuss the following issues with patients prescribed aripiprazole: Liscuss the toilowing issues with patients prescribed aripiprazole:

Clinical Worsening of Depression and Suicide Risk

Patients, their families, and their caregivers should be encouraged to be alert to the emergence of anxiety, agitation, panic attacks, insomnia, irritability, hostility, aggressiveness, impulsivity, akathisia (psychomotor restlessness), hypomania, mania, other unusual changes in behavior, worsening of depression, and suicidal ideation, especially early during antidepressant treatment and when the dose is adjusted up or down. Families and caregivers of patients should be advised to look for the emergence of such symptoms on a day-to-day basis, since changes may be abrupt. Such symptoms should be reported to the patient's prescriber or health professional, especially if they are severe, abrupt in onset, or were not part of the patient's presenting symptoms. Symptoms such as these may be associated with an increased risk for suicidal thinking and behavior and indicate a need for very close monitoring and possibly changes in the medication [see Warnings and Precautions (6.3)]. An examination of population subgroups did not reveal evidence of differential response based on age, choice of prospective antidepressant.

rescribers or other health professionals should inform patients, their families, and their caregivers about the benefits and risks associated with treatment with aripiprazole and should counsel them in its appropriate use. A patient Medication Guide including information about "Antidepressant Medicines, Depression and other Serious Mental Illness, and Suicidal Thoughts or Actions" is available for aripiprazole. The prescriber or health professional should instruct patients, their families, and their caregivers to read the Medication Guide and should assist them in understanding its contents. Patients should be given the opportunity to discuss the contents of the Medication Guide and to obtain answers to any questions they may have. It should be noted that aripiprazole is not approved as a single agent for treatment of depression and should not obtain and has not been evaluated in pediatric major depressive disorder.

What should I avoid while taking aripiprazole tablets?

• Do not drive, operate heavy machinery, or do other dangerous activities until you know how aripiprazole tablets affect you. Aripiprazole tablets may make

Pathological Gambling and Other Compulsive Behaviors. Advise patients and their caregivers of the possibility that they may experience compulsive urges to shop, intense urges to gamble, compulsiv Advise patients and their caregivers of the possibility that they may experience compulsive urges to short, intense urges to gamble, compulsive sexual urges, bringe eating and/or other compulsive urges and the inability to control these urges while taking arrippirazole. In some cases, but not all, the urges were reported to have stopped when the dose was reduced or stopped [see <u>Warnings and Precautions (5.7)].</u>

Interference with Cognitive and Motor Performance
Because aripiprazole may have the potential to impair judgment, thinking, or motor skills, patients should be cautioned about operating hazardous machinery, including automobiles, until they are reasonably certain that aripiprazole therapy does not affect them adversely [see Warnings and Precautions (5.12)]. Concomitant Medication
Patients should be advised to inform their physicians if they are taking, or plan to take, any prescription or over-the-counter drugs, since there is a potential for interactions [see <u>Drug Interactions (7)</u>].

Heat Exposure and Dehydration_ Patients should be advised regarding appropriate care in avoiding overheating and dehydration [see <u>Warnings and Precautions (5.13)</u>]. Pediatric Patients
The efficacy of aripiprazole in the treatment of irritability associated with autistic disorder was established in two 8 week, placebo-controlled ricals in pediatric patients (6 to 17 years of age) who met the DSM-IV criteria for autistic disorder and demonstrated behaviors such as tantrums, aggression, self-injurious behavior, or a combination of these problems. Over 75% of these patients were under 13 years of age.

Efficacy was evaluated using two assessment scales: The Aberrant Behavior Checklist (ABC) and the Clinical Global Impression-Improvement

MEDICATION GUIDE Aripiprazole (AR-i-PIP-ra-zole) Tablets, USP

of aripiprazole (5 mg/day, 10 mg/day, or 15 mg/day) were compared to placebo. Aripiprazole dosing started at 2 mg/day and was increased to 5 mg/day after one week. After a second week, it was increased to 10 mg/day for patients in the 10 and 15 mg dose arms, and after a third week, it was increased to 15 mg/day in the 15 mg/day treatment arm (Study 2 in Table 29). All three doses of aripiprazole significantly improved scores on the ABC-I subscale compared with placebo. tablets? (For other side effects, also see "What are the possible side effects of aripiprazole

> Increased risk of death in elderly patients with dementia-related psychosis: loss (dementia). Aripiprazole tablets are not approved for the treatment of

Risk of suicidal thoughts or actions: Antidepressant medicines, depression and other serious mental illnesses, and suicidal thoughts or actions: Antidepressant medicines may increase suicidal thoughts or actions in some children, teenagers, and young adults within the first few months

Pediatric Patients
The efficacy of aripiprazole in the treatment of Tourette's disorder was established in one 8 week (7 to 17 years of age) and one 10 week (6 to The efficacy of anjoy placebo-controlled trials in pediatric patients (6 to 18 years of age), placebo-controlled trials in pediatric patients (6 to 18 years of age) who met the DSM-IV criteria for Tourette's disorder and had a Total Tic score (TTS) ≥20 to 22 on the Yale Global Tic Severity Scale (YGTSS). The YGTSS is a fully validated scale designed to measure current tic severity. Efficacy was evaluated using two assessment scales: 1) the Total Tic score (TTS) of the YGTSS and 2) the Clinical Global Impressions Scale for Tourette's Syndrome (CGI-TS), a clinician-determined summary measure that takes into account all available patient information. Over 65% of these patients were under 13 years of age. particularly high risk of having suicidal thoughts or actions. These include people who have (or have a family history of) bipolar illness (also

How can I watch for and try to prevent suicidal thoughts and actions in myself or a family member • Pay close attention to any changes, especially sudden changes, in mood, behaviors, thoughts, or feelings. This is very important when an

in mood, behavior, thoughts, or feelings. the healthcare provider between visits as needed, especially if you have

In the 10 week, placebo-controlled, flexible-dose trial in children and adolescents with Tourette's disorder (n=61), aged 6 to 18 years, patients received daily doses of placebo or aripiprazole, starting at 2 mg/day with increases allowed up to 20 mg/day based on clinical response. Aripiprazole demonstrated statistically significantly improved scores on the YGTSS TTS scale compared with placebo (Study 2 in Table 30). The mean daily dose of aripiprazole at the end of 10 week treatment was 6.54 mg/day. Table 30: Tourette's Disorder Studies (Pediatric)

race. With regard to gender, a smaller mean reduction on the MADRS total score was seen in males than in females

SD: standard deviation; SE: standard error; LS Mean: least-squares mean; CI: unadjusted confidence interval. 'Difference (drug minus placebo) in least-squares mean change from baseline. 'Doses statistically significantly superior to placebo.

Aripiprazole (5 to 20

Aripiprazole (5 to 20

aripiprazole at the end of 8 week treatment was 8.6 mg/day (Study 1 in Table 29).

Table 29: Irritability Associated with Autistic Disorder Studies (Pediatric)

SD: standard deviation; SE: standard error; LS Mean: least-squares mean; Cl: un 'Difference (drug minus placebo) in least-squares mean change from baseline. 'Doses statistically significantly superior to placebo.

ntidepressant

14.4 Irritability Associated with Autistic Disorder

Study Number Treatment Group

14.5 Tourette's Disorder

Study 1

Aripiprazole (2 to 15 mg/day)† Placebo

mg/day)† Antidepressant Placebo

 Mean Baseline Score (SD)
 LS Mean Change from Baseline (SE)
 Placebo-subtracted Differ-ence* (95%CI)

 25.2 (6.2)
 -8.49 (0.66)
 -2.84 (-4.53, -1.15)

-8.78 (0.63)

-5.77 (0.67)

Primary Efficacy Measure: ABC-I

Mean Baseline Score LS Mean Change Placebo-subtracted (SD) From Baseline (SE) Difference (95%Cl)

-12.9 (1.44)

-5.0 (1.43)

-14.4 (1.31) -8.4 (1.39)

-3.01 (-4.66, -1.37)

27.0 (5.5) -5.65 (0.64)

26.0 (6.0)

26.0 (6.5)

Efficacy was evaluated using two assessment scales: The Aberrant Behavior Checklist (ABC) and the Clinical Global Impression-Improvement (CGI-I) scale. The primary outcome measure in both trials was the change from baseline to endpoint in the Irritability subscale of the ABC (ABC-I). The ABC-I subscale measured symptoms of irritability in autistic disorder.

The results of these trials are as follows:
In one of the 8 week, placebo-controlled trials, children and adolescents with autistic disorder (n=98), aged 6 to 17 years, received daily doses of placebo or aripiprazole 2 to 15 mg/day. Aripiprazole, starting at 2 mg/day with increases allowed up to 15 mg/day based on clinical response, significantly improved scores on the ABC-I subscale and on the CGI-I scale compared with placebo. The mean daily dose of

In the other 8 week, placebo-controlled trial in children and adolescents with autistic disorder (n=218), aged 6 to 17 years, three fixed doses

29.6 (6.37)

30.2 (6.52)

The primary outcome measure in both trials was the change from baseline to endpoint in the TTS of the YGTSS. Ratings for the TTS are made

Figure 9: Least Square Means of Change from Baseline in YGTSS TTS by Week (Tourette's Disorder Study 1)

Study Number		Primary Efficacy Measure: YGTSS TTS			
	Treatment Group	Mean Baseline Score (SD)	LS Mean Change from Baseline (SE)	Placebo- subtracted Difference (95%CI)	
Study 1	Aripiprazole (low dose)† Aripiprazole (high dose)† Placebo	29.2 (5.63) 31.2 (6.40) 30.7 (5.95)	-13.4 (1.59) -16.9 (1.61) -7.1 (1.55)	-6.3 (-10.2, -2.3) -9.9 (-13.8, -5.9) 	
Study 2	Aripiprazole (2 to 20 mg/day) †	28.3 (5.51)	-15.0 (1.51)	-5.3 (-9.8, -0.9)	
	Placebo	29.5 (5.60)	-9.6 (1.64)		
Difference (l deviation; SE: standard error; Lidrug minus placebo) in least-squatically significantly superior to p	ares mean change from bas		nterval.	

In a placebo-controlled trial in agitated inpatients meeting DSM-IV criteria for bipolar I disorder (manic or mixed) (n=291), two fixed aripiprazole injection doses of 9.75 mg and 15 mg were evaluated. At 2 hours post-injection, both doses were statistically superior to placebo in the PANSS Excited Component (Study 3 in Table 31). Examination of population subsets (age, race, and gender) did not reveal any differential responsiveness on the basis of these subgroupings.

		Primary Effic	cacy Measure: PANSS Exci	ted Component
Study Number	Treatment Group	Mean Baseline Score (SD)	LS Mean Change from Baseline (SE)	Placebo- subtracted Difference (95%CI)
Agitation Associa	ted with Schizophrenia		•	
Study 1	Aripiprazole (1 mg)† Aripiprazole (5.25 mg)† Aripiprazole (9.75 mg)† Aripiprazole (15 mg)† Placebo	19.16 (3.26) 19.41 (3.31) 19.42 (2.80) 19.34 (2.38) 19.18 (2.95)	-4.47 (0.72) -5.65 (0.68) -6.69 (0.72) -5.72 (0.72) -3.28 (0.70)	-1.19 (-2.96, 0.59) -2.37 (-4.10, -0.63) -3.40 (-5.18, -1.62) -2.44 (-4.21, -0.68)
Study 2	Aripiprazole (9.75 mg) [†] Placebo	18.82 (2.67) 18.74 (2.71)	-7.27 (0.59) -4.78 (0.69)	-2.48 (-3.77, -1.19)
Agitation Associa	ted with Bipolar Mania			
Study 3	Aripiprazole (9.75 mg)† Aripiprazole (15 mg)† Placebo	18.77 (2.45) 18.29 (2.49) 17.95 (2.63)	-8.74 (0.57) -8.67 (0.57) -5.76 (0.58)	-2.99 (-4.53, -1.44) -2.91 (-4.44, -1.38)

Aripiprazole tablets, USP 2 mg are yellow, round, uncoated tablets with scattered specks, debossed with "2" on one side and "16" on other side.

What is the most important information I should know about aripiprazole

Serious side effects may happen when you take aripiprazole tablets, including:

Medicines like aripiprazole tablets can raise the risk of death in elderly people who have lost touch with reality (psychosis) due to confusion and memory patients with dementia-related psychosis.

Depression and other serious mental illnesses are the most important causes of suicidal thoughts and actions. Some people may have a

called manic-depressive illness) or suicidal thoughts or actions.

antidepressant medicine is started or when the dose is changed. Call the healthcare provider right away to report new or sudden changes Keep all follow-up visits with the healthcare provider as scheduled. Call

concerns about symptoms Call a healthcare provider right away if you or your family member has any of the following symptoms, especially if they are new, worse, or worry you:

 thoughts about suicide or dying attempts to commit suicide new or worse depression new or worse anxiety feeling very agitated or restless panic attacks trouble sleeping (insomnia) new or worse irritability acting aggressive, being angry, or violent acting on dangerous impulses

 an extreme increase in activity and talking (mania) other unusual changes in behavior or mood What else do I need to know about antidepressant medicines? Never stop an antidepressant medicine without first talking to a healthcare provider. Stopping an antidepressant medicine suddenly can cause other symptoms.

Antidepressants are medicines used to treat depression and other illnesses. It is important to discuss all the risks of treating depression and also the risks of not treating it. Patients and their families or other caregivers should discuss all treatment choices with the healthcare provider, not just the use of antidepressants. **Antidepressant medicines have other side effects.** Talk to the healthcare

provider about the side effects of the medicine prescribed for you or your family member Antidepressant medicines can interact with other medicines. Know all of the medicines that you or your family member take. Keep a list of all medicines to show the healthcare provider. Do not start new medicines without first checking with your healthcare provider.

Not all antidepressant medicines prescribed for children are FDA approved for use in children. Talk to your child's healthcare provider for more information

What are aripiprazole tablets? • **Aripiprazole Oral tablets**, are prescription medicine used to treat: o manic or mixed episodes that happen with bipolar I disorder

under 13 years of age with schizophrenia

under 10 years of age with bipolar I disorder

o maior depressive disorder (MDD) when aripiprazole tablets are used with antidepressant medicines irritability associated with autistic disorder Tourette's disorder It is not known if aripiprazole tablets are safe or effective in children:

• under 6 years of age with irritability associated with autistic disorder

 under 6 years of age with Tourette's disorder **Do not take aripiprazole tablets if you** are allergic to aripiprazole or any of the ingredients in aripiprazole tablets. See the end of this Medication Guide for a

complete list of ingredients in aripiprazole tablets. Before taking aripiprazole tablets, tell your healthcare provider about all your medical conditions, including if you have or had: diabetes or high blood sugar in you or your family; your healthcare provider

should check your blood sugar before you start aripiprazole tablets and also during therapy. seizures (convulsions). low or high blood pressure. heart problems or stroke.

 pregnancy or plans to become pregnant. It is not known if aripiprazole tablets will harm your unborn baby. o If you become pregnant while receiving aripiprazole, talk to your healthcare provider about registering with the National Pregnancy

Registry for Atypical Antipsychotics. You can register by calling 1-866-961-2388 or go to http://womensmentalhealth.org/clinical-andresearch-programs/pregnancyregistry/

 breast-feeding or plans to breast-feed. Aripiprazole passes into your breast milk. Talk to your healthcare provider about the best way to feed your baby if you receive ariniprazole tablets. low white blood cell count.

Tell your healthcare provider about all the medicines that you take, including

prescription and over-the-counter medicines, vitamins, and herbal supplements. Aripiprazole tablets and other medicines may affect each other causing possible serious side effects. Aripiprazole tablets may affect the way other medicines work, and other medicines may affect how aripiprazole tablets work. Your healthcare provider can tell you if it is safe to take aripiprazole tablets with

your other medicines. Do not start or stop any medicines while taking aripiprazole tablets without talking to your healthcare provider first. Know the medicines you take. Keep a list of your medicines to show your healthcare provider and pharmacist when you get a new medicine.

How should I take aripiprazole tablets?

Take aripiprazole tablets exactly as your healthcare provider tells you to take it. Do not change the dose or stop taking aripiprazole tablets yourself. Aripiprazole tablets can be taken with or without food.

 Aripiprazole tablets should be swallowed whole. If you miss a dose of aripiprazole tablets, take the missed dose as soon as you remember. If it is almost time for the next dose, just skip the missed dose and take your next dose at the regular time. Do not take two doses of aripiprazole

tablets at the same time. If you take too many aripiprazole tablets, call your healthcare provider or poison control center at 1-800-222-1222 right away, or go to the nearest hospital

o Drink plenty of water.

you know how aripiprazole tablets affect you. Aripiprazole tablets may make vou drowsv

Avoid getting over-heated or dehydrated. Do not over-exercise. o In hot weather, stay inside in a cool place if possible. o Stay out of the sun. Do not wear too much or heavy clothing.

What are the possible side effects of aripiprazole tablets? Aripiprazole may cause serious side effects, including: See "What is the most important information I should know about aripiprazole tablets?

Stroke in elderly people (cerebrovascular problems) that can lead to death **Neuroleptic malignant syndrome (NMS)**. Tell your healthcare provider right away if you have some or all of the following symptoms: high fever, stiff muscles, confusion, sweating, changes in pulse, heart rate, and blood pressure. These may be symptoms of a rare and serious condition that can lead to death. Call your healthcare provider right away if you have any of these

Uncontrolled body movements (tardive dyskinesia). Aripiprazole may cause movements that you cannot control in your face, tongue, or other body parts. Tardive dyskinesia may not go away, even if you stop receiving aripiprazole.

Tardive dyskinesia may also start after you stop receiving aripiprazole. Problems with your metabolism such as: High blood sugar (hyperglycemia) and diabetes. Increases in blood sugar can happen in some people who take aripiprazole tablets. Extremely high blood sugar can lead to coma or death. If you have diabetes or risk factors

for diabetes (such as being overweight or a family history of diabetes), your healthcare provider should check your blood sugar before you start arining a role tablets and during your treatment Call your healthcare provider if you have any of these symptoms of high |

blood sugar while receiving aripiprazole tablets: feel very thirsty need to urinate more than usual > feel very hungry

feel weak or tired feel sick to your stomach > feel confused, or your breath smells fruity Increased fat levels (cholesterol and triglycerides) in your blood. **Weight gain.** You and your healthcare provider should check your weight

Unusual urges. Some people taking aripiprazole tablets have had unusual urges, such as gambling, binge eating or eating that you cannot control (compulsive), compulsive shopping and sexual urges. If you or your family members notice that you are having unusual urges or

behaviors, talk to your healthcare provider. Orthostatic hypotension (decreased blood pressure). Lightheadedness or fainting may happen when rising too quickly from a sitting **Falls.** Aripiprazole may make you sleepy or dizzy, may cause a decrease in

motor skills which may lead to falls that can cause fractures or other injuries. I nw white blood cell count Seizures (convulsions) Problems with control of your body temperature especially when you exercise a lot or are in an area that is very hot. It is important for you to

your blood pressure when changing position and can slow your thinking and

drink water to avoid dehydration. See "What should I avoid while receiving | aripiprazole tablets?" Difficulty swallowing that can cause food or liquid to get into your lungs. The most common side effects of aripiprazole tablets in adults include:

dizziness

 vomiting constipation insomnia headache restlessness blurred vision
 inner sense of restlessness/need to move (akathisia) upper respiratory illness

The most common side effects of aripiprazole tablets in children include:

 feeling sleepy insomnia headache nausea vomiting stuffv nose weight gain fatique increased or decreased appetite
 uncontrolled movement such as

 increased saliva or drooling These are not all the possible side effects of aripiprazole tablets. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store aripiprazole tablets? • Store aripiprazole tablets at 20° to 25° C (68° to 77° F); excursions permitted

restlessness, tremor

to 15° to 30° C (59° to 86° F) Keep aripiprazole tablets and all medicines out of the reach of children. General information about the safe and effective use of aripiprazole tablets.

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use aripiprazole tablets for a condition for which it was not prescribed. Do not give aripiprazole tablets to other people, even if they have the same symptoms you have. It may harm them. You can ask your healthcare provider or pharmacist for information about aripiprazole tablets that was written for healthcare professionals.

What are the ingredients in aripiprazole tablets? **Active ingredient:** aripiprazole, USP

Inactive ingredients: Tablets: colloidal silicon dioxide, crospovidone, hydroxypropyl cellulose, magnesium stearate, mannitol and microcrystalline cellulose. Additionally, 2 mg tablets contain ferric oxide yellow.

For more information about aripiprazole tablets call 1-800-912-9561 This Medication Guide has been approved by the U.S. Food and Drug Administration. Dispense with Medication Guide available at: https://torrentpharma.com/pi/usa/products/

Torrent PHARMA

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