HEGHLIGHTS OF PRESCRIBING INFORMATION
These highlights do not include all the information needed to use ZIPPASIDONE HYDROCHEORIDE
CAPSULES, alely and effectively, See full prescribing information for ZIPPASIDONE HYDROCHEORIDE
CAPSULES.

ZIPRASIDONE hydrochloride capsules, for oral use Initial U.S. Approval: 2001

int U.S. Agrivate. 2011

MANING: INCREASED MORTALITY IN ELDERLY PATTENTS WITH DIMENTIA-RELATED PSYCH

See full prescribing information for complete board souring

Elderly patients with demential—related synchosis treated with antipsychosis from gas are at an incre
risk of death compared to placebo treatment (L3)

Zyrasidine by Special their idea (capalises are an approved for elderly patients with dementia-related

Zyrasidine by Special Special (capalise).

INDICATIONS AND USAGE

INDICATIONS AND USAGE

isidone hydrochleride capstules are an atypical antipsychotic. In choosing among re atments, prescribers should be
to of the capacity of pirasishone hydrochleride to probing the QT interval and may consider the use of other drugs first 5.2) Tiprasidone hydrochloride capsules are indicated as an oral formulation for the: renatement of schiophrenia, (1.1) 

• Adults: Efficacy was established in four 4 to 6 week trials and one maintenance trial in adult parie (14.1)

with food.

Ger en al disers with food.

Schingebrenic Initiate at 20 mg twice daily. Daily dougage may be adjusted up to 80 mg twice daily. Dose adjustments should access at invested of foot to the Sanger's Sanger and Sa

DOSAGE FORMS AND STRENGTHS
 Capatales: 20 mg, 40 m

and observed adverse reactions (incidence >5% and at least twice the incidence for placebo) were izophrenia: Somoloence, respiratory tract infection (6.1)

Schimpierus Somméneur, reprinciperus prazi infection (4.1)
 Terpert SISSPECTION, Constact Lupin Pharmaceuticub, Inc. at 1-849-39-2561 or FDM at 1-849-150, 1888 or recordidações unicharida.
 Livera SISSPECTION (1998) provincia de la constanta del c

The last prescribing information contains additional drug interactions (7)

 Experimental Contains and Contains an

See 17 for PATIENT COUNSELING INCORMATION

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FULL PRESCRIBING INFORMATION

WARNING-INCREASED MORTALITY IN ELDERLY PATIENTS WITH DEMENTIA-RELATED PSYCHOSIS

1 INDICATIONS AND USAGE

I INDICATIONS AND USAGE

Typeration by hydrothic capuales are indicated for the reasment of schizophrenia. When deciding aming the alternative treatments available for the condition needing treatment, the prescriber should consider the finding of jurnationer, sperior capacity up noting the QTTQT: interval compared to several other antipsychoic dengs (see WARNIGS AND PRECAUTIONS Ca)]. Prolongiation of the several other antipsychoic dengs (see WARNIGS AND PRECAUTIONS Ca)]. Prolongiation of the artipsychoic dengs (see WARNIGS AND PRECAUTIONS Ca)], and the service of the properties of the properties of the service of the properties of the product of the service of the properties of the properties of the product of the properties of the properti

PRECACIONASCIAN,

13 Schizophrenia

Zipracinies hydrochieride capusies see indicated for the treatment of achiasphrenia. The efficacy of
our lapraciniones was established in four short-term(4- and 6-week) controlled rinde of adult
schizophrenic impatients and income maintenance trial of stable adult schizophrenic impatients for
CLINICAL STUDIES (14.1)].

### 2 DOSAGE AND ADMINISTRATION

# 2.1 Schizophrenia Dose Selection

traidone bydrochloride capsules should be administered at an initial daily dose of 20 mg twice daily of tood. It some patterns, daily distage may subsequently be adjusted on the basts of individual with the pattern of winds of my least than 2 days, as usualy-state is achieved within 1 to 3 days. In order to ensure use of lowest effective does, pattern should ordinarily be observed for improvement for several weeks care upward dosage adjustment.

before upward dosage adjustment. Efficacy in Actional Properties was demonstrated in a dose range of 20 mg to 100 mg twice daily in short-term, placebo-controlled clinical trials. There were trends toward dose response within the range of 20 mg to 80 mg twice daily, but tresults were not consisters. An interace to a dose greater than 80 mg twice daily is not generally recommended. The safety of doses above 100 mg mire daily has not been systematically evaluated in clinical trials to generally recommended. The safety of doses above 100 mg mire daily has not been systematically evaluated in clinical trials to general part of LINEAUS STURPS (14.4). Maintenance Treatment

numerature i resument. While there is no body of evidence available to answer the question of how long a patient treated with irjansidors should remain on it, a maintenance study in patients who had been symposium cityl value for their residencies of continue signalization or yealth in placefool enumerated a delay in time to relegate few their residencies of continue signalization or yealth in placefool enumerated a delay in time to relegate few their residencies of their residencies of

### 2.4 Dosing in Special Populations

Dosage adjustments are generally not required on the basis of age, gender, race, or renal or hepatic impairment. Ziprasidone hydrochloride is not approved for use in children or adolescents.

### 3 DOSAGE FORMS AND STRENGTHS

Ziprasidone hydrochloride capsules are differentiated by capsule colorisize and are imprinted in black ink with "LU" and a unique number. Ziprasidone hydrochloride capsules are supplied for oral administration in 20 mg (blue/white), 40 mg (blue/blue), 60 mg (white/white), and 80 mg (blue/white) capsules. They are supplied in the following strengths and package configurations:

Ziprasidone Hydrochloride Ca	psules
Capsule Strength (mg)	Imprint
20	V51
40	V52
60	V53
80	V54

### 4 CONTRAINDICATIONS

4 CONTRAINMAN.

14 OF Prolong ation

Because of inpresident's dose-related peologation of the QT interval and the known association fatal arrhytmians with QT prolongation by some other drugs, ziprasident is contrainfacted:
in inprince with a two-missony of QT prolongation (including congenital long QT syndrome)
in patterns with rever ascute myocardial infarction
in patterns with uncompensated then father than the prolong the QT prolonger drugs that prolong the QT prolonger drugs that prolong the QT prolong the QT prolonger drugs that Plearmon Charles (a) harm codymants caudies hetween ziprasidone and other drugs that prolong the QT intered have not been performed. An additive effect of ziprasidone and other drugs that prolong the QT intered cannot be excluded. Therefore, ziprasidone should not be given with:

o dotfeillide, stoold, quadriden, other Class and III and artifyrities, runstradature, thioridataine, chichopromazire, droperiodo, juntazide, sporfloacire, gastificaccia, mostificaccia, halofantine, embergia, includine, asserti noticia, levendudy a create, foliatevam meylus, probocol or refloquine, permandine, assertie notice, levendudy a create, foliatevam meylus, probocol or

tacrolimas.

• other drugs that have demonstrated QT prolongation as one of their pharmacodynamic effects and have this effect described in the full prescribing information as a contraindication or a boxed or bolded warming free WARNIOS AND PRECAUTIONS (52).

### 4.2 Hypersensitivity

Ziprasidone is contraindicated in individuals with a known hypersensitivity to the pro

### 5 WARNINGS AND PRECAUTIONS

5.1 Increased Mortality in Elderly Patients with Dementia-Related Psychosis

Elderly patients with dementia-related psychosis treated with antipsychotic drugs are at an increased risk of death. Ziprasidone hydrochloride is not approved for the treatment of dementia-related psychosis. [see ZiOLD WARGHO]

### 5.2 QT Prolongation and Risk of Sudden Death

Transition was obtained by avoided in confination with other drugs that are known to prolong the QTC interval face CONTRANSICATIONS (4.1), DMCG INTERACTIONS (7.4), Additionally, clinician for CONTRANSICATIONS (4.1), DMCG INTERACTIONS (7.4), Additionally, clinician for the confination of the confin

arrhydmiss [see CONTRAINDICATIONS [4]].

A study directly consuming the (TJCT) grounding in effect of oral zignasidone with several other drugs effective in the resument of schizophereia was conducted in patient volunteers. In the first phase of the exist, ECCs were obtained at the time of meximmer plants concentration where the drug was administered alone. Into second phase of the trial, ECCs were obtained at the time of meximmer plants concentration where the work of the second phase of the trial, ECCs were obtained at the time of maximum plants concentration while the drug was condiminated with an inhibitor of the CVPSSDAA metabolism of the drug.

while the drug was co-sdiministered with an inhibitor to the CVP4503AA metabolism of the drug, that the drug was co-sdiministered with an inhibitor to the CVP4503AA metabolism of the drug, using a sample-based correction that removes the effect of heart rare on the CVI interval. The removal increase in CVII for homeolism for appraisable ranged from approximately 9 to 14 mers (greater than four of the comparator thrugs (rispersibles, obsergation, columpiare, and hadpersibable), but was proportionally 14 mers (rese to that the prolingation offered for the districtance. In the second place of the study, the effect of approaches on QVI english was not sugmented by the preserve of a metabolic inhibitor (plecerosantee). 20 mg role et alls).

presence of a methodic inhibitor (betocomoio 200 mg twice daily). In algorithm of the ordinary of the place tho the place that, and aignoistic microscate the QT is inverse compared to place to by approximately 10 meet as the highest recommende daily shose of 100 mg. In clinical trials with real place that the place of the place

Intent for urale out an increased risk, there have because puls-studening reports (in the presence of multiple conforming features) per AVERESE RACILONS (62)).

As with other antipsychotic drugs and placebo, sudden unexplained death have been reported in patients using a pitacidous at recommended does the Present Period specific for the present of t

For patients taking zipraxidone who experience symptoms that could indicate the occurrence of torsade de pointes, e.g., dizziness, palpitations, or syncope, the prescriber should initiate further evaluation, e.g., Holter moistoring may be useful.

e.g., Holter moiltoring may be useful.

3.3 Neurolepic Malignant Syndrone (NMS)
A potentially fault symptom complex sometimes referred to as Neurolepia: Malignant Syndrone (NMS)
has been reported in association with administration of artipsychotic duags. Clinical mutilestation of
NMS are physpropress, mode to gigidi, parted rental stans, and evidence of the standard of the standa

taliure. The diagnostic evaluation of patients with this syntrome is complicated. In arriving at a diagnosis, it is important to exclude cases where the clinical presentation includes both serious medical illness (e.g., acquirounica, systemic infection, etc.) and interest of a inadequately resided exampsional sign and symptom (EFS) Other important considerations in the differential diagnosis include central systemic considerations in the differential diagnosis include central systemic residence of the consideration of the consid

5.4 Severe Cutaneous Adverse Reactions
Drug Beaction with Ecoloophilia and Systemic Symptoms (DRESS)
Drug Beaction with Ecoloophilia and Systemic Symptoms (DRESS) has been reported with Zigran
Drug Beaction with Ecoloophilia and Systemic Symptoms (DRESS) has been reported with Zigran
Gucha are afto or excludint of the Company of the C

Other severe cutaneous auterise reactions, such as Stevens-Johnson syndrome, have been reported with ziprasidone exposure. Severe cutaneous adverse reactions are sometimes fatal. Discontinue ziprasidone it severe cutaneous adverse reactions are suspected.

# 5.5 Tardive Dyskinesia

S.3. Tardive Dyskinesia

A syndrous of plantally irreversible, incolustary, dyskinetic movements may develop in patients undergoing reasturet with antipsychotic drugs. Although the prevalence of the syndrous appears to be lightest among the electry, specially beliefly women, it is impossible to rely upon previousce estimates to predict, at the inception of antipsychotic treatment, which patients are likely to develop the syndrous. The risk of developing unrise obysikatesia and the likelihood that it will become interventible are admissioned to disproduced first or their potential or accordance interventible are admissioned to the prediction of the produced and the syndrous enterprediction of the produced and the syndrous enterprediction of the syndrous commonly, after relatively hierit treatment periods also undoese.

There is no know treatment for restablished cases of undrive dyskinesia, although the syndrous may remit, partially or completely, if antipsychotic treatment is windrawn. Antipsychotic treatment incell, however, may appear out and thereby may consider the syndrous is undoesn.

course of the syndrome is unknown. Given these considerations, appraisatione should be prescribed in a manner that is must likely to minimize the accurates of anchies dynamical. Choosic analyses/bookine teasures should appearably be reserved for a should be a support of the contraction of the c

If signs and symptoms of tardive dyskinesia appear in a patient on ziprasidone, drug discontinuation should be considered. However, some patients may require treatment with ziprasidone despite the messence of the syndrome.

### 5.6 Metabolic Changes

An Metalomic Changes
Applical artipsycholic drugs have been associated with metabolic changes that may increase
cardiovascularicerebrovascular risk. These metabolic changes include hyperglycenta, dyslipidenta,
and body weight gain withie all of the dungs in the class have been shown to produce some metabolic
changes, each drug has its overspecific risk profile.

The prophysical and Diabetes Mellius

Hyperglycenia and Diabetes Mellins, in some cases extreme and associated with itenacidosis or hypergynemia and diabetes mellins, in some cases extreme and associated with interactions for hypergynemia com or death, have been reported in patients treated with patients by object-floride. Although fewer patients have been treated with airpustation hydrochloride, it is not harvest if this most have a supergraph of the patients of the patients have been treated with airpustation hydrochloride, it is not harvest if this most here there any patient have been treated with airpustation hydrochloride, it is not harvest if this increased background risk of diabetes mellins in a patients with schizopherina and the increasing increased background risk of diabetes mellins in patients with schizopherina and the increasing incidence of diabetes mellins in the general population. Given these cordinately, not relationship between neglical antipsychotic use and hyperglycenia-related adverse reactions in an ecompletely serviced antipsychotic services and the patients of the patie

aspicas ampsychotics are not available. Platfiers with an established diagnosis of diabetes mellitus who are started on aspical antipoychotics should be muistored regularly for voroneing of glucose control. Patients with risk factors for diabetes should be muistored regularly for voroneing of glucose control. Patients with risk factors for diabetes of the starting of the production of t

disconfination of the suspect drug.

Polorid data from Sont-term, placebo-controlled studies in schizophrenia are presented in Tables. 1 to 2

Note that for the flexible done studies in schizophrenia each subject is categorized as having received either low (20 to 40 mg BID) or high (60 to 80 mg BID) dose based on the subjects modal daily dose. In the tables showing categorical changes, the percentages (% column) are calculated as 100x(nN).

Table 1: Glucose\* Mean Change from Baseline in Short-Term (up to 6 weeks), Placebo-Controlled, Fixed-Dose, Oral Ziprasidone, Monotherapy Trials in Adult Patients with

	Schizophrenia							
Mean Random Glucose Change from Baseline mg/dL (N)								
			Ziprasidone			Placebo		
				80 mg BID				
-1.1 (N=45)	+2.4 (N=179)	-0.2 (N=146)	+0.5 (N=119)	-1.7 (N=104)	+4.1 (N=85)	+1.4 (N=260)		

# Table 2: Glucose\* Categorical Changes in Short-Term (up to 6 weeks), Placebo-Controlled, Fixed-Dose, Oral Ziprasidone, Monotherapy Trials in Adult Patients with Schizophrenia

Laboratory Analyte	Category Change (at least once) from Baseline	Treatment Arm	N	n(%)
	Normal to High (<100 mg/dL to ≥126 mg/dL)	Ziprasidone	438	77 (17.6%)
		Placebo	169	26 (15.4%)
	Borderline to High (≥100 mg/dL and <126 mg/dL to ≥126 mg/dL)	Ziprasidone	159	54 (34.0%)
		Placebo	66	22 (33.3%)

In long-term (at least 1 year), placebo-controlled, flexible-dose studies in schizophreria, the mean change from baseline in random glucose for ziprasidone 20 to 40 mg BID was -3.4 mg/dl. (N=122); for ziprasidone 50 to 80 mg BID was +1.2 mg/dl. (N=101); and for placebo was +0.3 mg/dl. (N=71). Dyslipidemia

Table 3: Lipid\* Mean Change from Baseline in Short-Term (up to 6 weeks), Placebo-Controlled, Fixed-Dose, Oral Ziprasidone Monotherapy Trials in Adult Patients with Schizophrenia

	Mea	n Lipid Cha	inge from B	as eline mg/	dL (N)		
Laboratory Analyte			Zipra	ısidone			Placebo
	5 mg BID	20 mg BID	40 mg BID	60 mg BID	80 mg BID	100 mg BID	
Triglycerides	-12.9	-9.6	-17.3	-0.05	-16.0	+0.8	-18.6
	(N=45)	(N=181)	(N=146)	(N=120)	(N=104)	(N=85)	(N=260)
Total Cholesterol	-3.6	-4.4	-8.2	-3.6	-10.0	-3.6	-4.7
i	(N=45)	(N=181)	(N=147)	(N=120)	(N=104)	(N=85)	(N=261)

# Table 4: Lipid\* Categorical Changes in Short-Term (up to 6 weeks), Placebo-Controlled, Fixed-

Duse, O	iai Ziprasiuone sionomerapy 1 mais in Adult Pad	ents with schizol	Dose, Oral Ziprasidone Monotherapy Trials in Addit Patients with Schizophreina								
Laboratory Analyt	e Category Change (at least once) from Baseline	Treatment Arm	N	n(%)							
Triglycerides	Increase by ≥50 mg/dL	Ziprasidone	681	232 (34.1%)							
		Placebo	260	53 (20.4%)							
	Normal to High (<150 mg/dL to ≥200 mg/dL)	Ziprasidone	429	63 (14.7%)							
		Placebo	152	12 (7.9%)							
	Borderline to High (≥150 mg/dL and <200 mg/dL to ≥200 mg/dL)	Ziprasidone	92	43 (46.7%)							
		Placebo	41	12 (29.3%)							
Total Cholesterol	Increase by ≥40 mg/dL	Ziprasidone	682	76 (11.1%)							
		Placebo	261	26 (10.0%)							
	Normal to High (<200 mg/dL to ≥240 mg/dL)	Ziprasidone	380	15 (3.9%)							
		Placebo	145	0 (0.0%)							
	Borderline to High (≥200 mg/dL and <240 mg/dL to ≥240 mg/dL)	Ziprasidone	207	56 (27.1%)							
		Placebo	82	22 (26.8%)							

par / 50 C | 10 C | 10

# Table 5: Weight Mean Changes in Short-Term (up to 6 weeks), Placebo-Controlled, Fixed-Dose

	Oral Ziprasido	ne Monotherap	y Trials in Adu	ılt Patients wi	th Schizophren	ia
Ziprasidone						
5 mg BID	20 mg BID	40 mg BID	60 mg BID	80 mg BID	100 mg BID	
	7	dean Weight (k	g) Changes fro	om Baseline (?	N)	
+0.3	+1.0	+1.0	+0.7	+1.1	+0.9	+0.4
(N=40)	(N=167)	(N=135)	(N=109)	(N=97)	(N=74)	(227)
		f Patients with				

In long-serm (at least 1 year), placebo-controlled, flexible-dose studies in schizophresia, the mean change from baseline weigh for represidone 20 to 40 ng IIID was -2.3 kg (N-123); for appraisation 60 ng IIID was -2.3 kg (N-123); for appraisation 60 ng IIID was -2.3 kg (N-124); for appraisation 60 ng IIID was -2.0 ng IID was -2.0

Schinghrenia
The proportion of patients meeting a weight gain criterions of 2.7% of body weight were compared in pool of for 4- and 6-week placebo-controlled schinghrenia clinical trials, revealing a statistically pool of the 4- and 6-week placebo-controlled schinghrenia clinical trials, revealing a statistically read to the sching of the properties of the schinger of the schinger in placebo patients. In this ser of clinical trials, weight gain was reported as an adverse reaction register of the schinger in placebo patients. In this ser of clinical trials, weight gain was reported as an adverse reaction grantedness of the schinger in the schinger of the schinger in the schinger

with a "light" BML.

378 Rah

Inpremateling tales with appraishors, about 5% of patients developed rath and/or utilicata, with
decontinuation of treatment in about one-visible of these cases. The occurrence of rath was related to
does of algorations, although the finding night also be explained by the longer exposure time intedisper done patients, several patients with rath bad igna and symptom of associated systemic illness
e.g., elevard WBCs. Most patients improved grouply in alliquency to treatment with ambitisations exreserved sandow upon discontinuation of agreement, and all patients experiencing these reactions over
segment all reverve completely. Due suppersance of rash for which an alternative etiology cannot be
flewfurthed, appraisations should be decontained.

5.8 Orthostatic Hypotension

Zipraxidore may induce orthostatic hypotension associated with dizziness, tachycardia, and, in some patients, syncope, especially during the initial dose-tiration period, probably reflecting its up-adversely: assignosis properties. Syncope was reported in 0.0% of the patients treated with zipraxidore anciency, anagonus properties. Synchye was reported in 0.00 or on any patters of water with Expressions Study and be used with particular 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).

So Leukopenia, Neutropenia, and Agranulocytosis
In clinical trial and postmarketing experience, events of leukopenia/neutropenia have been reported
temporally related to amipsychotic agents. Agranulocytosis (including fatal cases) has also been
reported.

reported.

Possible risk factors for leukoperalate-utoperala include pre-existing low while blood cell court
(WBC) and bistory of drug induced eleukoperalate-utoperala. Patients with a pre-existing low WBC or
history of drug induced eleukoperalate-utoperala should have beeir complete blood court (CBC)
muitared frequently during the first few months of therapy and should discontinue appraisable
plotted bright and transpared to the control of the court of the country of the country
plotted bright and the transpared been been controlled to the country
plotted bright and the country of the carefully monitored for fever or other symptoms or sign.

Patients with neuropenia should be carefully monitored for fever or other symptoms or sign of
the control of the country of the country

# 5.10 Seizures

S.10 Setzuers

During clinical trials, seizures occurred in 0.4% of patients treated with zipraxidone. There were
confounding factors that may have contributed to the occurrence of seizures in many of these cases. As
with other antipychoic drugs, zipraxidore should be used causinosty in patients with a history of
seizures or with conditions that potentially lowest the seizure threshold, e.g., Alzheimer's dements
Conditions that where the seizure threshold may be more prevalent in a population of 55 years or older

# 5.11 Dysphagia

3.11 tysphagaa dysmoility and aspiration have been associated with artipsychotic drug use. Aspiration preumoria is a common cause of morbidity and mortality in elderly patients, in particular those with advanced Alzheimer's dementia. Ziprasidone and other antipsychotic drugs should be used cautiously patients at its for aspiration preumoria fee 80 EMD WARVING!

As with the drugs the anagorder dopomer D<sub>2</sub> receptor, appraidance cleans; prolated fields in some interest of the control of

Although disturbances such as galactorthea, amerorthea, gynecomastia, and impotence have reported with prolactin-elevating compounts, the clinical significance of elevated serum po levels is unknown for most patients. Long-standing hyperprolactinemia when associated with hypogonadism may lead to decreased home density.

Its Postenial for Capithe and Most Propariment

Somoleres was a commoly reported adverse reaction in patients treated with ziprasidone. In the 4- and
Govek placebo- controlled trials, somoleres was reported in 14% of patients on ziprasidone
compared D. 7% of placebo patients. Somolence led to discontinuation in D. 8% of patients in Anotheren

Somoleres was a consistent of the placebo patients. Somolence led to discontinuation in D. 8% of patients in Anotheren

Somoleres was a consistent of the placebo patients. Somolence led to discontinuation in D. 8% of patients in Anotheren

Somoleres was a placebo patients. Somolence led to discontinuation in D. 8% of patients in Anotheren

Somoleres was a placebo patient of the placebo patients of patients. Somoleres in Anotheren in Anotheren and Anot

### 5.14 Priapis m

One case of priapism was reported in the premarketing database. While the relationship of the reaction to ziprasidore use has not been established, other drugs with alpha-adrenegic blocking effects have been reported to induce praispiam, and it is possible that ziprasidore may share this capacity. Sewere

praparamy require surgicia mervenion.

S.I.S Body Temperater Repulsion

Although not reported with ziprasticulore in premarbeting trials, discuption of the body's ability to reduce
to body temperature, as been antibioted on antipsychotic agents. Appropriate care is advised when
extended to the control of the control of

## 5.16 Suicide

### 5.17 Patients with concomitant Illnesses

Clinical experience with ziprasidone in patients with certain concomitant systemic illnesses is limited [see USE IN SPECIFIC POPULATIONS (8.6), (8.7)]

The results of the results of the second of the results of the res

### 5.18 Laboratory Tests

And a Londonstry Texts of particular the control of the particular texts of significant electrolyte distributes es should have baseline seriam points sim and magnetism measurements. Low servan distributes es should have baseline seriam points sim and magnetism measurements. Low servan distributes of the control of the c

### 6 ADVEDSE DEACTIONS

### 6.1 Clinical Trials Experience

6.1 Clinical Triab Experience
6.2 Clinical Triab Experience
6.2 Clinical triab of a drug cannot be directly compared to rate in the clinical triab of a drug cannot be directly compared to rate in the clinical triab of another drug and mp are reflective trans otherwise flus programments. The operation and programment of the clinical triab of another drug and mp are reflective trans otherwise another compared to represent the clinical triab for oral agrandation included programments. The operation and programments of the programment of the pro

ouguest states, an son-terman longe-serine (spotture).

Adverse reaction during exposure were oblismed by collecting voluntarily reported adverse experiences, as well as results of physical examinations, viril a sign, weights, blooranty analyses, ECGs, and results of ophismlongic examinations.

The stated frequencies of adverse reactions represent the proportion of individuals who experienced, at least once, a reasonate-emerget analyses reaction of the type lasted. A reaction was considered reasonate emergent if to occurred for the first time or worsened while receiving therapy following baseline evaluation.

## evaluation. Adverse Findings Observed in Short-Term, Placebo-Controlled Trials with Oral Ziprasidone

Autrester rimmings Orderstean in Status Lettin, Fract Goodson Timas Wand Lettin Quantizations. The following findings are based on the short-term place-bos-controlled premarketing trials for schizophrenia (a pool of two 6-week, and two 4-week fixed-dose trials) in which ziprasidone administered in doses ranging from 10 to 200 mg/dsv.

Commonly Observed Adverse Reactions in Short Term-Placebo-Controlled Trials:

Commissip (Unservice Aurore Accessions in Sont 1 term - Pacifico Commissio 1 transThe following adverse reactions were the most commands otherwise all extensions associated with
place-to-reacted patients (piprasidone incidence at least twice that for placebo):
Schippermiss risk (for Table 6)

Sommelicee
Respiratory Text Infection

Schappirms of the Schappirms of Treatment in Short-Term, Placebe Controlled Trieds of God Espendon-Trieds of God E

# Adverse Reactions Occurring at an Incidence of 2% or More Among Ziprasidone-Treated Patients in Short-Term, Oral, Placebo-Controlled Trials:

Snore 1 em., Ural, Pascero-Communa I mas:
Table 6 enumers the incidence, rounded to the nearest percent, of treatment-emergent adverse reaction that occurred during scute therapy (up to 6 weeks) in predominantly patients with excluding only those reaction that occurred in 2 lbs or more of patients treated with ziprasidore and for which the incidence in patients treated with ziprasidore was greater than the incidence in patients.

# Table 6: Treatment-Emergent Adverse Reaction Incidence In Short-Term Oral Placebo Controlled Trials - Schizophrenia

	Percentage of Patients R	eporting Reaction
Body System/Adverse Reaction	Ziprasidone (N=702)	Placebo (N=273)
Body as a Whole		
Asthenia	5	3
Accidental Injury	4	2
Chest Pain	3	2
Cardiovas cular		
Tachycardia	2	1
Digestive		
Nausea	10	7
Constipation	9	8
Dyspepsia	8	7
Diarrhea	5	4
Dry Mouth	4	2
Anorexia	2	1
Nervous		
Extrapyramidal Symptoms*	14	8
Somnolence	14	7
Akathisia	8	7
Dizziness†	8	6
Respiratory		
Respiratory Tract Infection	8	3
Rhinitis	4	2
Cough Increased	3	1
Skin and Appendages		
Rash	4	3
Fungal Dermatitis	2	1
Special Senses		
Abnormal Vision	3	2

Extrapyramidal Symptoms includes the following adverse reaction nerms: extrapyramidal syndrome, hypertonia dystonia, dyskhesia, bypokhesia, tremor, paralysis, and neitching. None of these adverse reactions occurred achievatually at an incidence greater than 5% in schirophrenia triak.

Dizziness includes the adverse reaction nerms dizzines and lightheadedness.

Dose Dependency of Adverse Reactions in Short-Term. Fixed-Dose, Placeho-Controlled Trials

Extrapyrumidal Symptons (EPS)

The incidence of reported EPS (which included the adverse reaction terms extrapyramidal synthome, prepared as extrapyramidal synthome, prepared as extrapyramidal synthome, prepared as extrapyramidal synthome, prepared as extrapyramidal synthome reacted patients in the short-term, placebo-controlled schizospherian trails was 14% to 8,8% for placebo. Descrively collected and form of most inside to the Simpton-Augus faing Scale (for EPS) and the Burnes Alchahisis Scale (for alsahisis) did not generally show a difference between ziprasidone and placebo.

# Class Effect:

Class Affect.

Symptoms of dystoria, prolonged abnormal contractions of mucele groups, may occur in susceptible individuals during the first twe days of the namer. Dystories cymptoms include: span not fee neck and the contract of the cont

frequently and with greater severity with high potents and at tagener doses of tasts generation analysychoic drags. An elevater is not a red, when also also with a gar groups. Viral Stage Changes

Vand Stage Changes

Zignatidane is associated with orthostatic hypotemion [see WARNINGS AND PRECAUTIONS (5.7)]

EGG Changes

Zignatidane is associated with an increase in the QTc interval face WARNINGS AND PRECAUTIONS (2.7)

Zignatidane is associated with an increase in the QTc interval face WARNINGS AND PRECAUTIONS (2.7)

Down per mitter compared to a 22 beam per mitter decrease among placeto patients.

Down per mitter compared to a 22 beam per mitter decrease among placeto patients.

Following is a list of COST ART term that reflect treasment-energies adverse reactions as defined in introduction that ANDVISES EMACTIONS section reported by patients. It was desired to the introduction that ANDVISES EMACTIONS section reported only once and that did not have a substantial probability of being existly life-threatening, reactions that are placeto did on have a substantial probability of being existly life-threatening, reactions that are part of the life-tas being related in its ingestion to emphasize that allowing the reactions reported occurred during pre-camered with zignatione, they were not necessarily cancel by the system all listed in order of decreasing frequency of Andrees reactions are further canagerized by body system and listed in order of decreasing frequency.

appaintum, uny were that archiveanty cancer up in.

Adverse reactions are further categorized by body system and listed in order of decreasing frequency
caccording to the following definition:
at least 1700 patients (2.10% of patients) (ord) the second of patients) (only those not
arranged under section occurring in all least 1700 patients (2.10% of patients) (only those not
advards) friend in the tabulated results from place-to-curron/tabulated support in this listing;
lift-propers -shorers execution occurring in 1700 to 17000 patients (in.0.1 to 15% of patients)

Rare - adverse reactions occurring in fewer than 1/1000 patients (<0.1% of patients)

Body as a Whole:

abdominal pain, flu syndrome, fever, accidental fall, face edema, chills, photosensitivity reaction, flank pain, hypothermia, motor vehicle accident

emesis, cholestatic jaundice, hepatitis, hepatomegaly, leukoplakia of mouth, fatty liver deposit, melena

hypothyroidism, hyperthyroidism, thyroiditis

anemia, ecchymosis, leukocytosis, leukopenia, eosinophilia, lymphadenopathy thrombocytopenia, hypochromic anemia, lymphocytosis, monocytosis, basophilia, lymphedema, polycythemia, thrombocythemia

inter, transmitten interaced, peripheral efronts, hyperglycenia, errotine phospholistics interaced, distillar phospholistics (see each hyperchelaterisms, delepholistics (see each phospholistics) and the phospholistics (see each peripheral efronts). Hyperchelates (hyperchelates) (see each peripheral efronts) (see each peripheral efronts) (see each peripheral efronts). Hyperchelates (hyperchelates) (see each peripheral efronts) (see each peripheral efronts) (see each peripheral efronts). Hyperchelates (hyperchelates) (see each peripheral efronts) (see each peripheral efronts) (see each peripheral efronts). Hyperchelates (hyperchelates) (see each peripheral efronts) (see each peripheral efronts) (see each peripheral efronts). Hyperchelates (see each peripheral efronts) (see each

Frequent
Confinence under Systems
Frequent
Gregorian
Digenthe Systems
Frequent
Infrequent
Infrequen myalgia tenosynovitis myopathy

agliulon, extrapyramidal syndrome, tremor, dystoria, hypertoria, dyskinesia, hostilliy, beitching, paresthesia, confusion, vertigo, hypokinesia, hyperkinesia, abnormal gait, ocalogyric crisis, hypesthesia, ataxia, amresia, cogwheel rigidity, delirium, hypotonia, akinesia, dysambria, withdrawal syndrome, buccoglossal syndrome, buccoglossal syndrome, choreoathetosis, diplopia, incoordination, reuro paralysis
punchona, syntagma, torticollis, circumoral paresthesia, opisthotonos, reflexes increased, trismus

maculopapular rash, urticaria, alopecia, eczema, exfoliative dermatitis, contact dermatitis, vesiculobullous rash

fungal dermatitis conjunctivitis, dry eyes, tinnitus, blepharitis, cataract, photophobia eye hemorrhage, visual field defect, keratitis, keratoconjunctivitis

impotence, abnormal ejaculation, amenorrhea, hematuria, menorrhagia, femule lactation, polyuria, urinary retention metrorrhagia, male sexual dysfunction, anorgasmia, glycosuria gyreccomastia, vaginul hemorrhage, nocturia, oliguria, femule sexual dysfunction, uterine hemorrhage

The following adverse reactions have been identified during post approval use of ziprasidone hydrochloride. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

Adverse reaction reports not listed above that have been received since market introduction include re occurrences of the following: Cardiac Disorders

Tachycardia, torsade de pointes (in the presence of multiple confounding factors), [See WARNINGS AND PRECAUTIONS (5.2)];

Digestive System Disorders Swollen Tongue;

Reproductive System and Breast Disorders Galactorrhea, priapism;

Nervous System Disorders

Nerona system unorane. Facial Droop, neurolegic malignest syndrome, serotorin syndrome (alone or in combination with serotoregic medicinal products), trative dyskinesia;

Psychiate: Bounders
Innomas, maria/hypomasia;
Side and Substantaneous Tissue Disorders

Allergic reaction (such as allergic dermatitis, angioedema, orofacial edema, urticaria), rash, Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS);

# 7 DRUG INTERACTIONS

Drug-drug interactions can be pharmacodynumic (combined pharmacologic effects) or pharmacolainetic (alteration of plasma levels). The risks of using ziprasidone in combination with other drugs have been evaluated as described below. All interactions studies have been conducted with oral ziprasidone. Based upon the pharmacodynumic and pharmacolainetic profile of ziprasidone, possible interactions could be anticipated:

### 7.1 Metabolic Pathway

Approximately two-thirds of ziprasidone is metabolized via a combination of chemical reduction by glutathione and enzymatic reduction by aldehyde oxidase. There are no known clinically relevant inhibitors or inducers of aldehyde oxidase. Less than one-third of ziprasidone metabolic clearance is mediated by cytochrome P450 catalyzed oxidation.

# 7.2 In Vitro Studies

7.2. IN 1970 Stunet.

An invitor engrues inhibition study utilizing human liver microsomes showed that ziprasidone had little inhibitory effect on CVPIA2, CVP2C9, CVP2C9, CVP2C9 and CVP3AA, and thus would not likely interfere with the metabolism of drugs primarily metabolismed by these engrues. There is little potential for drug interactions with ziprasidone due to displacement [See CLINICAL PHARMACOLOGY (12-3)]. 7.3 Pharmacodynamic Interactions

7.4 Pharmacodynamic Interactions

Ziprations should not be used with any drug that prolongs the QT interval [See
CONTRADINGEATION 64.1).

Given the primary CNS effects of ziprasidone, causion should be used when it is taken in combination
with other centrally straig dauge.

Because of its potential for inducing hypotension, ziprasidone may enhance the effects of certain
analyper termite age.

ammypertensive agents.

Ziprasidone may antagonize the effects of levodopa and dopamine agonists.

Combanusepine
Carbanusepine is an inducer of CVP3A4; administration of 200 mg twice daily for 21 days resulted in a
decrease of approximately 35% in the AUC of ziprasidone. This effect may be greater when higher
doses of carbanusepine are administered.

Amenonanie

Netocomanie, a potent inhibitor of CYP3AA, at a dose of 400 mg QD for 5 days, increased the AUC
and Cana of alignatione by about 35 to 40%, Other inhibitors of CYP3A4 would be expected to have
similar effects.

Clinetidine

Clinetidine as a dose of 800 mg QD for 2 days did not affect alignatione pharmacokinetics.

Antacid

The roadinistication of 30 ml of Alignation is a continuous pharmacokinetics.

The co-administration of 30 mL of Maalox® with ziprasidone did not affect the pharmacokinetics of ziprasidone. 7.5 Lithium

Ziprasidone at a dose of 40 mg twice daily administered concomitantly with lithium at a dose of 450 mg twice daily for 7 days did not affect the steady-state level or renal clearance of lithium.

note daily for 7 day dit on affect the study-stude level or read clearance of lintimum.

7.6 Oral Cantraceptives
Invivo studies have reviseld on effect of signal-done on the pharmacolamics of entropen or
progenerous components. Epizations at also or 20 mg pairs celled juil din staffect the
pharmacolamics of concomitantly administered oral contraceptives, ethinyl estradiol (0.03 mg) and

1.7.0 Destromethorphan

Consistent with in vitro results, a study in normal healthy volunteers showed that zipraxidone did not alter the metabolism of dextromethorphan, a CYP2D6 model substrate, to its major metabolite, dextropland results of the control 7.8 Valproate

# A pharmacokinetic interaction of ziprasidone with valproate is unlikely due to the lack of common metabolic pathways for the two drugs.

7.9 Other Concomitant Drug Therapy Population pharmacokinetic analysis of schizophrenic patients enrolled in controlled clinical trials has not revealed evidence of any clinically significant pharmacokinetic interactions with benztropine, propramolo, or lorazepam.

7.10 Food Interaction The absolute bioavailability of a 20 mg dose under fed conditions is approximately 60%. The absorption of ziprasidone is increased up to two-fold in the presence of food [see CLINICAL PHARMACOLOGY (12.3)].

# 8 USE IN SPECIFIC POPULATIONS

B USE IN SPECIFIC POPULATIONS

All Fregnancy Canages C

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Fregnanc

There was not recover in the matter of appear how the data of a section in the control for the

Ziprasidone hydrochloride should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

8.2 Labor and Delivery The effect of ziprasidone on labor and delivery in humans is unknown.

# 8.3 Nursing Mothers It is not known whether

on whether ziprasidone or its metabolites are excreted in human milk. It is reco

women receiving ziprasidone should not breastfeed.

8.4 Pediatric Use The safety and eff fectiveness of ziprasidone in pediatric patients have not been established

### 8.5 Geriatric Use

8.5 Geriante Use
Offen tolad mather of subjects is clinical studies of ziprassidore, 2-4 percent were 65 and over. No
Offen tolad mather of subjects is clinical studies of ziprassidore, 2-4 percent were 65 and over. No
offen ziprassidore, and other reported clinical experience has not identified differences in responses between the
objects, and other reported clinical experience has not identified differences in responses between the
objects of the response in the response in the response in the response to the response in the response

dose, shower thration, and care an anamong — J. As Read Imagination is highly metabolized, with less than 1% of the drug excreed unchanged, rend impairment alone is indicitly to have a major impact on the pharmacolastics of zignasidane. The pharmacolastics of zignasidane following lideys of 20 mg to tee duity dusing were similar among indicitating the disease and pharmacolastics of zignasidane inclined in the contraction of the

8.7 Hepatic Impairment
As zipraxidore is cleared substantially by the liver, the presence of hepatic impairment would be
expected to increase the AUC of zipraxidome; a multiple-dose study at 20 mg hoice daily for 5 days in
subjects (pr.13) with clinically significant (Childo-Pugh Class A and B) crimbosis revealed unicrease in
SUC 6.3.2 of 13% and 34% in Childo-Pugh Class A and B, resportively, compared a namethed control
group (rel.). A hall-lift of 7.1 hours was observed in subjects with cirrhosis compared to 4.8 hours in
the control group.

### 8.8 Age and Gender Effects

8.0. Age and ventore traces in a multiple-dose (days of treatment) study involving 32 subjects, there was no difference in the pharmacolistrics of ziprasidore between men and women or between electry (~65 years) and young (18 to at 5 years) subject. Additionally, population pharmacolistics evaluation of patients in controlled trials has revealed in evidence of clinically significant age or gender-related differences in the recommended. An expension. Dougs conditionation for age or gender are, therefore, not recommended.

### 8.9 Smoking

Based on in vitro studies utilizing human liver enzymes, ziprasidone is not a substrate for CVP1A2; smoking should therefore not have an effect on the pharmacolimetics of ziprasidone. Consistent with these in vitro results, population pharmacolimetic evaluation has not revealed any significant pharmacolimetic differences between smokers and notsmokers.

### 9 DRUG ABUSE AND DEPENDENCE

9 DRUGABUSE AND MERITARIANCE.
3.0 Dependence
Zaparainos has net heen systematically studied, in minulo or humans, for its potential for abuse,
Zaparainos has net heen systematically studied, in minulo or humans, for its potential for abuse,
seeking behavior, these observations were not systematic and it is not possible to predict on the basis of its limited experience the settent to which regardations will be maxined, dirested, androus abused once markened. Connecparatly, patients should be evaluated carefully for a history of drug abuse, and such patients should be observed closely for sign of algorithm of missae or abuse (e.g., development of tolerance, increases in dose, drug-seeking behavior).

### 10 OVERDOSAGE

10 OVERDOSAGE:

10.1 Human Experience
In presented introducing more than 5400 patients and/or normal subjects, accidental or intentional overchosage of our alignentiations was documented in 10 patients. All of these patients survived without segulates, this patient taking the largest confirmed amount, \$2,400 mg, the only symptoms reported were Adverse reactions reported with irganization overchose included extrapyramidal symptoms, somnolence, termor, and anxiety. For ADVERSE REACTIONS (6.2)]

terms, and anxiety. Jee ADVERSE REACTIONS (6.2)]

10. 2 Management of Overlosing et allocate of active everdosage, establish and ministin anxiety and ensure adequate oxygenation and ventilation. Interactions are care should be established, and guartic large (fifter imbulston) if patient is unconscious) and administration of activated charcoal tagether with a laxariey should be considered. The possibility of distinction sensors are objective extension to the head and excit following overclose: Cardiovascular mostering thould commerce immediately and should include continuous electrocardiographic munistraps (see test) possible arrhythmics. In alternative theorem is a continuous electrocardiographic munistraps (see test) possible arrhythmics. In alternative discipriorantely, practiamately, and quintified curry a fleenered, discipriorantely, practiamately, and quintified to reade with appropriate measures and city and transferred flight, and the practical study perspective and departure should not be used, since he such faints but administration confinited with o, gazgorism associated with giracialous my worsen by potentiam, distinction, and the such as a such

weynummignt be additive to those of ziprasidore, resulting in problematic hypothesian.

In cases of severe extrapyramidal symptom, anticholiterajic medication should be administered. There is no specific articlor to ziprasidore, and it is not dislayable. The possibility of multiple drug imolvement should be considered. Close medical supervision and monitoring should continue until the patient recovers.

Zignatione hydrochloride is available as capsules (zignatione hydrochloride) for oral administration. Zignatione is a psychotropic, agent that is chemically userlated to phenothatize or batyrophenome amplypochtic agents. It has a melicular where for 412-34 (free base), with the following chemical name: 521-44 (2.) benzitonlina-3-91) 1-psperaintylephi-(6-citon-1.). displayed-2Pi-indoi-2-nor. It mental formation (2-figl.) (2016). (Fig. 1) 2-fig. (2016). (Fig. 1) 2-fig. (2016). (Fig. 2) 2-fig. (2016). (Fig.



Ziprasidore bydrochloride capsules contain a monohydrochloride, monohydrate salt of ziprasidore Chemically, ziprasidore hydrochloride monohydrate is 5/2/44 (1,2-bereistofilazol-3-yl)-1-pperazing/helyl-1-chievon-2-fediyode-1-drinds-2-ore, monohydrochloride, monohydrate. The potential potential contained to the control of the control

systems. Associate Emotorprizer is a swime to slightly park proveder.

Zepratione hypochronic capuelaes we expensel for or and administration in 20 mg (blacebalte), 40 mg (blacebalte), 60 mg (white-balte), and 10 mg (blacebalte) capuelaes. Zeprasidon hydrochloride capuelaes with contain ziprasidone hydrochloride capuelaes. It also monolydelse, prepelationed mines tearth, and attainment disorder and imprinting ink contains black iron oxide, potassium hydroxide, propyleree glycol and shellee.

# 12 CLINICAL PHARMACOLOGY

# 12.1 Mechanism of Action

The mechanism of action of ziprasidone, as with other drugs having efficacy in schizophrenia, is unknown. However, it has been proposed that this drug's efficacy in schizophrenia is mediated through a combination of dopamier type (2 (D)) and servionin ppe 2 (SHT2) antagorism.

# 12.2 Pharmacodynamics

12.2 Pharmacodynamics

Theraction Chairmacodynamics

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of the date of the components of the components

assorption of appraisations is increased up to two-fold in the presence of food.

Distribution:

Approxime has a mean apparent volume of distribution of 15.1 Mg, it is greater than 99% bound to plantam protein, butding primarily or allumin and up-set displacement. The in vitro plantam protein, butding primarily or allumin and up-set displacement. The in vitro plantam protein of displacements of the plantament of the displacement of the displa

# 13 NONCLINICAL TOXICOLOGY

# 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

month distury study in formale, but not male, mice at 100 and 200 mg/kg day (or 2.5 and 5 times the MRHO on a mg/m² basis). Zipradione had no effect on normal production in rais in a 5-week dictary study at the dooses had were used in the actinopricity study. The refusive for formal risk of the filindings of production mediated evolucities tumors in roderns is unknown fare WARNINGS AND PRECAUTIONS (5.12)].

(6.21).

Management
Ziprasi done was nested in the Ames bacterial matation assay, the invitro nummalian cell gree remove lymphom assay, the invitro chromosomal abertration assay in human hymphocytes, and vivo chromosomal abertration assay in insuma long produce the matager response in the Ames assay in one stain of Syphimirumin the aberties of netablic actival Positive results were obtained in both the in vitro nummalian cell gree matation assay and the ichromosomal aberties may be inhabited to the control of t

### Impairment of Fertility

Impairment of Ferflay

[Ziranishor was shown to increase since to copulation in Sprague-Dawley rats in two fertility and eaenthyonic development studies at doses of 10 to 160 mg/gaty (0.50 no 8 sinces she MRHD of 20 no
mg/gaty on a mgm/ brush). Ferfling rate was reduced at 160 mg/gaty (0.6 since she MRHD on a nugmg/gaty on a mgm/ brush). There was no effect on ferfling at 40 mg/gaty (2.5 since she MRHD on a mgm/ brush). There

mg/gaty (8 since she MRHD on a mgm/ brush) were made with surroad fermles. In an 6-month sats
in male rea given 200 mg/gaty (10 since she MRHD on a mgm/ brush) there

mg/gaty (8 since she MRHD on a mgm/ brush) were made with surroad fermles. In an 6-month sats
in male rea given 200 mg/gaty (10 since she MRHD on a mgm/ brush) there were no restiment relfindings observed into the textes.

### 14 CLINICAL STUDIES

14 CLINICAL STUDIES

14.1 Schizophrenia

The efficacy of oral zigrasidore in the reasures of schizophrenia was evaluated in 5 placebocornolled studies, 4 short-serred-1- and 6-week) trials and one minerance trial, all trials were in adult
inguinem, most of whomen EMS Hills. Excitation for schizophrenia fast that hay included 2.0 a Triad
inguinem, most of whomen EMS Hills. Excitation for schizophrenia fast that hay included 2.0 a Triad
placebo; one short-term study did not. Although as single fixed-dose haloperidal arm was included as a
comparative treasural in one of the three short-serratula, this single study was inadequate to provide a
Psychizanic Risting Science (1982) and the Provision of Science (1982) and the Psychizanic Risting Science

- twice daily dose range. 4-week, placebo-controlled trial (n=200) comparing 3 fixed doses of ziprasidone (5, 20, and 40 twice daily), none of the dose groups was statistically superior to placebo on any outcome of
- ing brice daily), one of the dotse groups was statistically superiors to park see unany variations.

  Interest.

  Location of the second property of the second pr

### 16 HOW SUPPLIED/ST ORAGE AND HANDLING

Ziprasidore hydrochloride capsules are available as: Ziprasidore hydrochloride capsules, 20 mg are size '8' capsules with dark blue opaque cap and white opaque body, imprired axially with "LU" on cap and "VS1" on body in black ink, containing off-white to pinkin granular powder. NDC 68180-331-07 Bottles of 60's

Transition byto-floride capsules, 40 mg are size '4' capsules with dark blue opaque cap and dark blue opaque body, imprimed saially with "LU" on cap and "VS2" on body in black ink, containing off-white to pitchist, framatie provder. NIC 68180-332-07 Bontles of 60's

Ziprasidors hydrochloride capoules, 60 mg are size 37 capoules with white opaque cap and white opaque body, imprinted axially with "LU" on cap and "V53" on body in black ink, containing off-white opinish granular powder.

NDC 68180-333-07 Bontles of 60's

Ziprasidone hydrochloride capsules, 80 mg are size '2' capsules with dark blue opaque cap and white opaque body, imprinted axially with "LU" on cap and "VS4" on body in black ink, containing off-white to pinkish granular powder.

NDC 68180-334-07 Bottles of 60's

Ziprasidore hydrochloride capsules should be stored at 25°C (77°F); excursions permitted to 15° to 30°C (59° to 86°F) [See USP Controlled Room Temperature]. Mallox® is a registered rademark of Novartic.

See FDA-Approved Patient Labeling (17.4).

Please refer to the patient package insert. To assure safe and effective use of zipraxidone hydrochloride capsules, the information and instructions provided in the patient information should be discussed with patients.

# 17.1 Administration with Food

Patients should be instructed to take ziprasidone hydrochloride capsules with food for optimal absorption. The absorption of ziprasidone is increased up to two-fold in the presence of food [see DRIG INTERACTIONS (7.8) and CLINICAL PHARMACOLOGY (12.3)].

# 17.2 QTc Prolongation

Patients should be advised to inform their health care providers of the following: History of QT prolongation; recent acute myocardial infaction; uncompensated heart failure; prescription of other drugs that have demonstrated QT prolongation; risk for significant electrolyse abnormalities; and histor of cardiac arrhythmia [see CONTRAINDICATIONS (4.1) and WARNINGS AND PRECAUTIONS (5.2)] In cause, a minjuma per CONTROLLED-LIGON (4.7) and WARNINGS AND PRECAUTIONS (5.2)). Palients should be interuted to report to one of any condition that put them a risk for significant electrolyte disturbances, hypokalemia in particular, including but not limited to the initiation of diured therapy or prolonged diarrhea. In addition, patients should be instructed to report symptoms such as dizziness, pulpitations, or syncope to the prescriber (see WARNINGS AND PRECAUTIONS (5.2)).

# 17.3 Severe Cutaneous Adverse Reactions

17.3 Severe Cutaneous Adverse Reactions

Advances should be insured on support to their health care provider at the earliest onset any sign or symptom adds may be associated with Drug Reaction with Ensimpthilis and Systemic Symptoms (DRESS) or with severe cutaneous adverse reactions, such as Sueven-Johnson syndrome fore WARNINGS AND PRECAUTIONS (5-4)].

Lupin Pharmaceuticals, Inc.
Baltimore, Maryland 21:202

Unted States

MADE IN INDIA

REVISED STATES AND PRECAUTIONS (5-4).

# 17.4 FDA-Approved Patient Labeling PATIENT SUMMARY OF INFORMATION ABOUT

PATIENT SUMMARY OF INFORMATION ABOUT

Ryanishone Hydrochloride (zi pras' i done hye" droe klor' ide) Capsules

Ryaniy

Information for patients taking ziprasidone hydrochloride capsules or their caregivers

This summary contain important information about zigrasidone hydrochloride capsules. It is not meant to take the place of your doctor's instructions. Read this information carefully before you take to be a summary of the place of the place of your doctor when the place of the information of it you exto to how mere about zigrasidone hydrochloride capsules. What is Zigrasidone Hydrochloride?

Ziprasidone hydrochloride is a type of prescription medicine called a psychotropic, also known as an atypical antipsychotic. Ziprasidone hydrochloride can be used to treat symptoms of schizophrenia.

Who Should Take Ziprasidone Hydrochloride Capsules?

Only your doctor can know if ziprasidone hydrochloride capsules are right for you. Ziprasidone hydrochloride capsules may be prescribed for you if you have schizophrenia. nyurocnorne capsuses may oe prescribed tor you it you have schizopirenia. Symposino of schizopirenia may include:

• hearing voices, seeing things, or sensing things that are not there (hallucinations)

• beliefs that are not true (delusions)

• unusual suspiciousness (paramia)

• becoming withdrawn from family and friends

Hyou have a response transmission and trends

If you show a response to a junction by bytecholaride capaties, your symptoms may improve. If you continue to take infrancision bytecholaride capaties free is less chance of your symptoms returning, no rate up that in the capaties even when you feel better without first discussing it withyour doctor.

It is also important to remember that a practione bytecholaride capaties should be taken with frond. What is the most important askey infrancian in Ishaulika most outry francishes bytecholaride?

Zipracishous bytecholaride is not approved for the treatment of patients with dementials related and analysis of the control of the cont

placelos (a sugar pill).

Zipusidos phrochloride is an effective drug to treat the symptom of schizophretal. However, one posterill side effect is that it may change the say the effective durater in your best works more faint processed to the effect is that it may change the say the effective durater in your best works more faint drugs that cause this kind of change have it note cases canned dangerous heart rhythm abormatises. Because of this, predictable bythrochloride studied be used only after your doctor has considered this risk for at greatedow bythrochloride against the risks and benefits of other medications available for reserving schappleres. receing schrophrena.
Vour risk of dangerous changes in heart rhythm can be increased if you are taking certain other
medicines, and if you already have certain abnormal heart conditions. Therefore, it is important to
tell your doctor about any other medicines that you take, including non-precription medicines,
supplement, and herbal medicines. You must also tell your doctor about any heart problems you
have or have had.

who should NOT take Ziprasidone Hydrochloride Capsules?

Who should NUT take Ziparakione Hydrochkorled Capsulor? Ellerly patients with adiagnosis of psychosis related to derendit. Ziparakione hydrochloride capsules are not approved for the treatment of these patients. Anything that can increase the chance of a best relythmultonormally should be avoided. Therefore, do Anything that can increase the chance of a best of the control of



- Odly your doctor can decide it zignealdone bythruchloride capsules are tight for you. Before you st zignealdone bythruchloride capsules, be sure to tell your decire if you:

  I have hed any problem with the way you have been or any heart related libras or discease

  a say family history at beart disceas, including even the ent ance. It

  are taking no have recently ulseavary precipion medicines

  are asking any were-dec-counter medicines you can bey without a prescription, including

  are being any over-dec-counter medicines you can bey without a prescription, including

  be a bear bad any problem with your liver

  are pregame, night be pregame, or plan to get pregame

  are been and the problem of the problem

Your doctor may want you to get additional laboratory tests to see if ziprasidone hydrochloride capsule is an appropriate treatment for you.

### Ziprasidone Hydrochloride and Other Medicines

Zaprassioner nyudurine and Outer steetines.

There are some mediciations that range be unsafe to use when taking ziprasidone hydrochloride, and there are some medicines that can affect how well ziprasidone hydrochloride works. While you are on ziprasidone hydrochloride, check with your doctor before starting any new prescription or over-the-counter medications, including auturaliherhal remedies.

- counter medications, iteluding nutralherbal remedies.

  \*\*Fale izpanisione bydevelchinde Capueles

  \*\*Tale izpanisione bydevelchinde Capueles

  \*\*Tale izpanisione bydevelchinde capueles only as directed by your doctor.

  \*\*Swallow the capueles whole.

  \*\*Capuelles with control of the capueles of the capueles of the capueles with food.

  \*\*E in less to take zipanisione bydevelchinde capueles at the same time each day.

  \*\*Expanisione bydevelchinderic capueles my use a few weeks to work. It is important to be patient.

  \*\*Do not change your dose or stop taking your medicate without your doctor's approval.

  \*\*Remember in less plasting your capuelles, even when you led below it has part of the capueles.

  \*\*Part of the control of the capueles of the capueles of the capueles of the capueles.

  \*\*Part of the capueles o

Possible Side Effects

Because these problems could mean you're having a heart rhythm abnormality, cos

IMMEDIATELY if you:

• Faint or lose consciousness

• Feel a change in the way that your heart beats (palpitations)

Fee la change in the way that your heart beats (adaptations)
Common the effects of prignitions the phytochloride include the following and should also be discussibly our desure I flay potent:
Feeling manufally their of relegy
Names or superstometh
Commission
Dizziness
Restdessures
Abnormal muscle movements, including remor, shuffling, and uncomolled involuntary movem
Abnormal muscle movements, including remor, shuffling, and uncomolled involuntary movem
Reach
Reach
Reach
Increased cough / rumny mose

Increased cough / many more
 If you develop any side effects that contern you, ask with your dector. It is particularly reportant to sell dector may write to be conterned to be sell dector any write to be content and the sell of the sell in the sell interest.
 For a list of all side effects that have been reported, ask your doctor or pharmacist for the siprasidore hydrochointh capular Professional Package lasers.
 Mark To Do For An Overbine
 Increase of an overdone, call your doctor or poison control center right away or go to the nexest

A serious condition called neurolepic malignant syndrome (NMS) can occur with all antipsychotic medications including ziprasidone hydrochoride. Signs of NMS include very high fever, rigid muscles, shaking, corfusion, sweating, or increased heart rate and blood pressure. NMS is a rare but serious side effect that could be fatal.

serious side effect mat could be ratal. Therefore, tell your doctor if you experience any of these signs.

Dizziness caused by a drop in your blood pressure may occur with ziprasidone hydrochloride, especially when you first start taking this medication or when the dose is increased. If this happens, be careful not to stand up to oquickly, and talk to your doctor about the problem.

Before taking ziprasidone hydrochloride capsules, tell your doctor if you are pregrant or plan on becoming pregrant. It is advised that you don't breast feed an infant if you are taking ziprasidone hydrochloride cansules.

hydrochloride capsules.

Because ziprasidone hydrochloride can cause sleepiness, be careful when operating machine driving a motor vehicle.

Because aigusaidous hydrochloride can cause sleepiness, he careful when operating machinery or driving a more vehicle.

Size medication of the same drug class as zigusaidous hydrochloride may interfere with the ability of the body to adjust to heat, it is best to avoid situation involving high temperature or hundridy. It is best to avoid communing alcoholic bereapers with a laking prinarione hydrochloride capules. Call your doctor immediately if you take more than the amount of zigusaidous hydrochloride capules prescribed by your doctor immediately if you take more than the amount of zigusaidous hydrochloride capules. Paperation hydrochloride capules are considered by the community of the commu

MADE IN INDIA

ID#- 242120

PACKAGE LABEL.PRINCIPAL DISPLAY PANEL NDC 68180-331-07 Ziprasidone HCl Capsules, 20 mg

Rx only Container Label: Bottle of 60 Capsules





NDC 68180-332-07

asidone HCl Capsules, 40 mg Rx only

Container Label: Bottle of 60 Capsules





Ziprasidone HCl Capsules, 60 mg Rx only Container Label: Bottle of 60 Capsules





NDC 68180-334-07 Ziprasidone HCl Capsules, 80 mg Rx only Container Label: Bottle of 60 Capsules





ZIPRASIDONE ziprasidone hydrochk		LOKIDE				
Product Informati	on					
Product Type		LIMAN PRESCRIPTION DRUG	Item Code (	Source)	NDC:57	7297-331
Route of Administrat	ion C	RAL				
Active Ingredient	Active Moiet	y				
		gredient Name		Basis	of Strengtl	Strengt
ZIPRASIDONE HYDRO	CHLORIDE (UNI	t 216X081ORU) (ZIPRASIDONE -	UNES UKASVEJSX)	ZIPRAS	DONE	20 mg
Inactive Ingredier		Ingredient Name			St	rength
FD&C BLUE NO. 1 (UN	E HIRATKITED)					
FD&C RED NO. 40 (UN	E WZE9127XOA					
GELATIN (UNIE: 2G86C)	N127L)					
SHELLAC (UNI: 46N10	78710)					
POTASSIUM HYDROX						
LACTOSE MONOHYD						
MAGNES IUM STEARA						
PROPYLENE GLYCOL		7V3)				
TITANIUM DIO XIDE (U STARCIL PREGELATE						
Product Character						
		cap and white opaque body)		Score		20 20016
	LE (Capsule Shap	e)		Size		15mm
Flavor				Imprint Co	ode	LU;V51
Contains						
Packaging						
# Item Code		ckage Description	Marketing S	tart Date	Marketin	g End Dat
1 NDC:57297-331-07	SO in 1 BOTTLE;	Type 0: Not a Combination Produc				
Marketing Info						
Marketing Info		Number or Monograph Citatio	n Marketine S	D	Marketin	e Feel Day

Product Inf	ormation					
Product Type		HEMAN PRESCRIPTION DRIVE	Item Code (S		NDC:572	07.777
			term Cone (S	ource)		19.7-332
Raute of Adm	nistration	ORAL				
Active Ingr	dient/Active	Molety				
		Ingredient Name		Basis o	of Strength	Strengt
ZIPRASIDONE	IIYDRO CHLORH	ME (UNIE 216X08 IORU) (ZIPRASIDONE -	UNBS UKASVEJS X)	ZDRAS	DONE	40 mg
Inactive Ing	redients					
		Ingredient Name			Str	ength
	0.1 (UNE HER47)					
	40 (UNE WZE91	27XOA)				
GILATIN (UNI						
SHELLAC (UNI						
	YDRO XIDE (UNE					
	NO HYDRATE (US					
	TEARATE (UNE:					
	LYCOL (UNR 61)					
	XIDE (UNIL 15FIX					
	RIC OXIDE (UNE	RN (UNIE OB232NY35J)				
Product Ch	racteristics					
Color	BLUE (Dark blue o	paque cap and dark blue opaque body)		Score		100 80 000
Shape	CAPSULE (Capsul	e Shape)		Size		15mm
Flavor				Imprint 0	Code	LU;V52
Contains						
Contains Packaging						
	de	Package Description	Marketing St.	art Date	Marketing	End Da
Packaging		Package Description PILLE; Type 9: Not a Combination Produc		art Date	Marketing	End Da
Packaging  # Item Co 1 NDC:57297-3		TTLE; Type 0: Not a Combination Produc		art Date	Marketing	End Dat
Packaging  # Item Co 1 NDC:57297-3	12-07   60 h 1 BO	TTLE; Type 0: Not a Combination Produc			Marketing  Marketing	

ZIPRASIDONE HYDROCHLORIDE

ZIPRASIDONE HYD					
ziprasidone hydrochloride ca	psule				
Product Information					
Product Type	HEMAN PRESCRIPTION DRUG	Item Code (So	urce)	NDC:572	97-333
Route of Administration	ORAL				
Active Ingredient/Active	Molaty				
Active ingretiment Active					_
ZIPRASIDONE HYDRO CHLOR	Ingredient Name IDE (UNII: 216X011ORU) (ZIPRASIDONE -	UNES UKASVEJSX)	Basis of : ZDRAS DO		Strengt 60 mg
ZIPRASIDONE HYDRO CHŁOR		UNEGUKASVEJGX)			
		UNES UKASVEJSKY)			
		UNBS UKASVEJSX)			
		UNES UKASVEJS X)		ONE	
ZIPRASIDONE HYDRO CHLOR  Inactive Ingredients  GILATIN (UNIE 2G86QN327L)	IDE (UNE 216 X0 E IO RU) (ZIPRASIDONE -	UNEG UKASVEJG X)		ONE	60 mg
Inactive Ingredients	IDE (UNE 216 X0 E IO RU) (ZIPRASIDONE -	UNEG UKASVEJG X)		ONE	60 mg
Inactive Ingredients  GILATIN (UNII: 2G86QN127L) SIBLLAC (UNII: 46N197B710)	IDE (UNI: 216 X08 10 RU) (ZPRASEDONE - Ingredient Name	UNRG UKASVEJG X)		ONE	60 mg
Inactive Ingredients  GILATIN (UNIE 2GB6QN127L) SHELLAC (UNIE 468197B730) POTASSIUM HYDROXIDE (UN	IDE (UNIE 216X0810RL) (ZPRASEDONE -  Ingredient Name  E: WZIBC-68 M4T)	UNES UKASVEJS X)		ONE	60 mg
Inactive Ingredients GELATIN (UNIX 2GB6QN127L)	IDE (UNE 216XDB IORL) (ZPRASEDONE -  Ingredient Name  E WZHICHEMET)  NE EWQZYQUEKY)	UNRS UKASVEJS X)		ONE	60 mg
Inactive Ingredients  GILATIN (UNE: 2GB6QN127L) SIBILLAC (UNI: 46N397B730) POTASSIBH INTRODOXIDE (UNI LACTOSE MO NOHYDRATE (UL)	INE (UNE 216 X08 IORL) (ZPRASEIONE -  Ingredient Name  E WZIECEIMIT)  NE EWZIECEIMIT)	UNES UKASVEJS X)		ONE	60 mg

FERROSOFE	RRIC OXI	DE (UNE XA	EME7F357)				
Product Cl	aracte	ristics					
Color	WHILE	(white onesu	e cap and white opaque body)		Scare		80 10007
Shape					Size		
Flavor					Imprint Co		
Contains							
Packaging							
# Item C	ode 333-07 (	50 is 1 BOTT	Package Description LE; Type 0: Not a Combination Product	Marketing 5	Start Date	Marke	ting End Da
Marketin	a Info	rmation					
			tion Number or Monograph Citation				
ANDA	angury	ANDA0775	60	03/02/2012	Juli Liviu		rung ratu tra
ZIPRASII			OCHLORIDE ie				
Product In	formati	on					
Product Typ			HUMAN PRESCRIPTION DRUG	Item Code (	Source)	ND	:57297-334
Raute of Adr	ninis trati	ion	ORAL				
Active Ing	redient/		ilety Ingredient Name		Basis	of Stress	gth Streng
ZIPRASIDON	E HYDRO		(UNII: 216X08 IORU) (ZIPRASIDONE - UN				
Inactive In	gredien	its					
FDAC BLUE !			Ingredient Name				Strength
FD&C RED N						-	
GELATIN (UN			*****				
SHELLAC (UP	II: 46N30	78710)					
POTASSIUM							
			EWQ57QEEX)				
MAGNESIUM							
PRO PYLENE							
TITANIUM DI			219) (UNIE 08232NY353)				
FERROSOFE							
Product Cl		ala elas					
			sque cap and white opaque body)				по всеге
Shape					Size		
Flavor							LU;V54
Contains					-		
Packaging  Item C			Package Description	Marketing 5	Start Dave	Marke	ting End Da
1 NDC:57297	334-07 0	SO IN I BOTT	LE; Type 0: Not a Combination Product				g saw Di
Marketin							
			tion Number or Monograph Citation	Marketing	Start Date	Marke	ting End Da
ANDA		ANDAD 775	60	03/02/2012			
Labeler -	LUPIN LI	MIT ED (675	923163)				
Registran	it - LUPI	N LIMIT ED (	(675923163)				
Establish	ment						
Name		ID/FEI	Besi	ness Operatio	ess.		
			manufacture(57297-331, 57297-332, 5729 333, 57297-334)	7-333, 5729 7-33	4) , pack(57.	297-331, 5	7297-332, 57
Establish	ment						
Name .		ID/FEI	Busi	ness Operatio	icas .		

Revised: 2/2016 LUPIN LIMIT