RISPERDAL (RISPERIDONE)

TABLETS/ORAL SOLUTION

Assessed (Lasteral

DESCRIPTION RISPERDAL[®] (risperidone) is a psychotropic agent belonging to a new chemical class, the berzicoxazzie derivatives. The chemical designation is 3-12-44-(6-fluoro-1,2-berzisoxazol-3-yt))-1-piperidinyl(lettyl)-6,7,8,9-4etrahydro-2-methyl-44-psyrido(1,2-a)pyrimidin-4-one. Its molecular formula is C₂₀H₂₀FN₂O₂ and its molecular weight is 410.49. The structural formula is



Risperidone is a white to slightly belge powder. It is practically insoluble in water, fraely soluble in methylene chloride, and soluble in methanol and 0.1 \underline{N} HCL

methylene chloride, and soluble in methanol and 0.1 (LHCL RISPERDAL'e labels are available in 0.25 mg (dark yellow), 0.5 mg (red-brown), 1 mg (white), 2 mg (orange), 3 mg (yellow), and 4 mg (green) strengths, linactive ingredients are collabels tillicon diractile, hydroxypropyl methylcellulose, larchase, magnesium stearate, microcrystalline cellulose, propylene glycol, socium lauryl sublex, and starth (com), Tables of 0.25, 0.5, 2, 3, and 4 mg also contain table and fitanium diractile, and starth (com), Tables of 0.25, 0.5, 2, 3, and 4 mg also contain table and fitanium diractile. The 0.25 mg tables contain PGM willow in on 0.05, the 3 mg and 4 mg tables contain table and fitanium diractile. The 0.25 mg tables contain PGM will will be tables to tables contain D&C veltow No. 10; the 4 mg tablets contain FD&C Blue No. 2 Aluminum Lake; the 5 mg and 4 mg tables contain RISPERDAL's is also available as a 1 mg/mL oral solution. The inactive ingredients for this solution are tartaric acid, benzoic acid, socium hydroxide and purified water.

Bit Branch and, benote an, south involutive and public and public when, CLINICAL PHARMACOLOGY Pharmacodynamics The mechanism of action of RISPERDAL[®] (risperidone), as with other drugs used to treat schizophrenia is unknown. However, it has been proposed that this drug's therapeutic activity in schizophrenia is mechanism of action of dopamine type 2 (D₂) and serotonin type 2 (BHT) and agoinsm. Anagonsm at receptors other than D₂ and SH1₂ may explain some of the other effects of RISPERDAL[®].

effects of NSPERDAC*. RISPERDAC* (Ki of 0.12 to 7.3 nJ/) for the seration type 2 (BHT₂), dopamine type 2 (D₃), α_{c} and α_{c} adranergic, and H, histaminergic receptors, RISPERDAL* antagonizes ofter receptors, but with lower potency. RISPERDAL* has low to moderate affinity (Ki of 27 to 25 nJ/) for the serationin 6HT_c, BHT_c and 6HT_c, naceptors, weak affinity (Ki of 220 to 800 nJ/) for the dopamine D, and haloperidol-sensitive sigma site, and no affinity (when tested at concentrations >10⁴ M) for cholinergic muscarinic or B, and B₂ adrenergic receptors.

Pharmacokinetics

Pharmacokinetics Risperidone is well absorbed, as illustrated by a mass balance study involving a single 1 mg oral dose of "C-risperidone as a solution in three healthy male volunteers. Total recovery of radioactivity at one week was 55%, including 70% in the urbin and 15% in the feces.

at one week was 55%, including 70% in the urbre and 15% in the feces. Risperidone is extensively metabolized in the liver by cytochrome P_{ell}ID₄ to a major active metabolite, 9-hydroxyrisperidone, which is the predomband circulating specie, and appears approximately equi-effective with insperidone with respect to receptor binding dativity and some effects in animals. (A second minor pathway is N-dealkylation). Consequently, the clinical effect of the drug likely results from the comband somerimations of risperidone plus 9-hydroxyrisperidone. Plasma concentrations of risperidone, 9-hydroxyrisperidone, and risperidone plus 9-hydroxyrisperidone. Plasma concentrations to risperidone from a tablet was 54% (CV=10%) when compared to a solution. Food does not affect either the rate or seture of absorption of risperidone was 70% (CV=25%).

The enzyme catalyzing hydroxylation of insperiodne to September 2014 (2014) (20

(measured in extensive metabolizers). Because risperidone and 5-hydroxy/speridone are approximately equi-effective, the sum of their concentrations is pertinent. The pharmapoki-netics of the sum of risperidone and 5-hydroxy/risperidone, after single and multiple doces, were similar in extensive and poor metabolizers, with an overal mean elimination hat-life of about 20 hours. In analyzes comparing adverse reaction rates in extensive and poor metabolizers in controlled and open studies, no important differences were seen.

important differences were seen. Risperidone could be subject to two kinds of drug-drug Interactions. First, inhibitors of cytochrome: PuID₄ could interfere with conversion of hisperidone to 8-hydrox-yrisperidone. This in fact occurs with quindline, giving essentially all incipients a fisperidone pharmacokinetic profile typical of poor metabolizers. This favorable and adverse effects of risperidone in patients recoving quindline were not been evaluated, but observations in a modest number (n=70) of poor metabolizers given risperidone do not suggest important differences between poor and extensive metabolizers in would also be possible for risperidone to interfere with metabolism of other drugs metabolizers (y cytochrome PuID₆, Relatively weak binding of risperidone to the enzyme suggests this is unlikely (See PRECAUTIONS and DRUG INTERACTIONS).

(See PRECAUTIONS and DRUG INTERACTIONS). The plasma protein binding of risperidone was about 90% over the in vitro concentration range of 0.5 to 200 ng/mL and increased with increasing concentrations of α_r -acid glycoprotein. The plasma binding of Plasma binding sites, High therapeutic concentrations of sulfamethacine (100 µg/wL), warfaint (10 µg/mL) and catemarszepine (10 µg/wL) caused only a site in termstolike indeplaced each other from the plasma binding sites, High therapeutic concentrations of sulfamethacine (100 µg/wL), warfaint (10 µg/mL) and catemarszepine (10 µg/wL) caused only a site interaction of the free fraction of risperidone at 10 ng/mL and 9-hydroxyrispectione at 50 ng/mL, changes of unknown clinical significance.

Special Populations

• 5

Special impairment: In patients with moderate to severe renal disease, clearance of the sum of risperidone and its active metabolike decreased by 60% compared to young healthy subjects. RISPERDAL® doses should be reduced in patients with renal disease (See PRECAUTIONS and DOSAGE AND ADMINISTRATION).

DOSAGE AND ADMINISTRATION). Mepartic impairment: While the pharmacokinetics of risperidone in subjects with fiver disease were comparable to those in young healthy subjects, the mean free frection of risperidone in plasma was increased by about 35% because of the diaminished concentration of both albumin and a cacid glycoprotein. RISPERDAL® doses should be reduced in patients with liver disease (See PRECAUTIONS and DOSAGE AND ADMINISTRATION). Elder/p: In healthy elderly subjects renal clearance of both risperidone and 9-hydroxyrisperidone was decreased, and elimination half-lives were prolonged compared to young healthy subjects. Dosing should be modified accordingly in the elderly patients (See DOSAGE AND ADMINISTRATION).



PLAINTIFF'S

EXHIBIT

The efficacy of RISPERDAL[®] in the treatment of schizophrenia was established in four short-term (4 to 6-week) controlled trials of psychotic inpatients who met DSM-III-R criteria for schizophrenia.

(4 to Eveck) controlled trials of psychotic inpatients who met DSM-III-R criteria for schizophrenia. Several instruments were used for assessing psychiatric signs and symptoms in these studies, among them the Brief Psychiatric Rating Scale (BPRS), a multi-litem inventory of general psychopathology traditionally used to evaluate the effects of drug treatment in schizophrenia. The BPRS psychotosis cluster (conceptual discogranization, hallucinatory behavior, suspiciousness, and unusual thought content) is considered a particularly useful subset for assessing actively psycholic schizophrenic patients. A second traditional assessment, the Clinical Global impression (CG), reflects the impression of a skilled observer, fully familiar with the manifestations of schizophrenia, about the overall clinical state of the patient, in addition, two more recently developed, but less well (PANSS) and the Scale for Assessing Negative Symptoms (SANS). The restline of the trials follow:

The results of the trials follow:

and a second second

The results of the triais follow: (1) In a 5-week, placebc-controlled trial (n=160) involving firstion of RISPERDAL® in doses up to 10 rigiday (BID schedule), RISPERDAL® was generally superior to placebo on the SIANS. (2) In an 3-week, placebc-controlled trial (n=513) involving 4 fixed doses of RISPERDAL® (2, 6, 10, and 16 mg/day, on a BID schedule), all 4 RISPERDAL® groups were generally superior to placebo on the BPRS trait scheme. BPRS phythosis duster, and CGI severity score; the 5 highest RISPERDAL® (2, 6, 10, and 16 mg/day, on a BID schedule), all 4 RISPERDAL® groups were generally superior to placebo on the BPRS trait score. BPRS phythosis duster, and CGI severity score; the 5 highest RISPERDAL® groups were generally superior to placebo on the PANSS negative subscale. The most consistently positive responses on all measures were seen for the 6 mg dose group, and there was no suggestion of increased benefit from larger doses.

bit increases benefit from larger doses.
(3) In an 8-week, dose comparison trial (n=1356) involving 5 fixed doses of RISPERDAL® (1, 4, 8, 12, and 16 mg/day, on a BU) schedule), the four highest RISPERDAL® dose groups were generally superior to the 1 mg RISPERDAL® dose group on BPRS total score, BPRS psychosis cluster, and CG severity score. None of the dose groups were superior to the 1 mg RISPERDAL® dose groups were generally subschedule. The most consistently positive responses were seen for the 4 mg dose group.
(4) In a 4-week, placebo-controlled dose comparison final (n=246) involving 2 fixed doses groups.
(4) In a 4-week, placebo-controlled dose comparison final (n=246) involving 2 fixed doses of RISPERDAL® (4 and 8 mg/day on a OD schedule), both RISPERDAL® dose groups were generally superior to placebo on several PANSS treasures, holuding a response measure (2 CD% reduction in PANSS total score), PANSS total score, and the BPRE psychosis cluster (darived from PANSS). The results were generally stronger for the 8 mg fitter or the 4 mg dose group.

Long-Term Elforery

Long-term transmy in a longer-term trial, 365 adult outpatients predominantly meeting DSM-IV criteria for schizophrenia and who had been clinically stable for at least 4 weeks on an antipsychotic medication were randomized to RISPERANT 2C migday for to an active comparator, for 1 to 2 years of observation for relapse. Patients receiving RISPERDAL® experienced a significantly longer time to relapse over this time period compared to those receiving the active comparator. INDICATIONS AND USAGE

RISPERDAL[®] (risperidone) is indicated for the treatment of schizophrenia. The efficacy of RISPERDAL[®] in schizophrenia was established in short-term (6 to B-weeks) controlled trials of schizophrenic inpatients (See CLINICAL PHARMACOLOGY).

Controlled traits of schizophrenic inplatients (See CLINILAL PHARMACCOLOSY). The efficacy of RISPERDAL[®] in delaying relayse was demonstrated in schizophrenic patients who had been clinically stable for at least 4 weeks before initiation of treatment with RISPERDAL[®] or an active comparation and who were then observed for relapse during a period of 1 to 2 years (See Clinical Traits, under CLINICAL PHARMACOLOCY). NewtReleass, the physician who elects to use RISPERDAL[®] for extended periods should periodically in evaluate the long-term use/unless of the drug for the individual patient (See DDSAGE AND ADMINISTRATION). CONTRAINDICATIONS

RISPERDAL® (risperidone) is contraindicated in patients with a known hypersensitivity to the product

WARNINGS

Neutrolaptic Malignant.Syndrome (NMS) A potentially fatal symptom complex sometimes referred to es Neuroleptic Malignant Syndrome (NMS) has been reported in association with anti/psychotic drugs. Cinical menitestations of NMS are hyperpyrecia, muscle rightary, altered mental status and evidence of autonomic instability (irreg-ular pulse or blood pressure, lactivoartife, disploresis and cardica dysrightmic). Additional signs may include elevated creatine phosphokinase, myoglobiauria (rhebdomyolysis), and acute renal failure.

naume. The diagnostic evaluation of patients with this syndrome is complicated. In arriving at a diagnostic, it is important to identify cases where the clinical presentation includes both sarious medical liness (e.g., pneumoria, systemic infection, etc.) and untreated or inadequately treated extrapyramidal signs and syndroms (EPS). Other important considerations in the differential dignosts includee central particholinergic toxicity, heat stroke, drug fever, and primary central nervous system subsciences. alhology.

paulogy. The management of NMS should include: 1) immediate discontinuation of antipsycholic 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 reinfoduction of drug therapy should be carefully considered. The patient should be carefully monitored, since recurrences of NMS have been reported.

monnorea, since recurrences of MNS have been reported. Tardive Dyskinesia A syndrome of potentially ineversible, involuntary, dyskinatic movements may develop in patients treated with andipsychotic drugs. Atthough 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 treatmant, 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 likalituod that it will become inversible are believed to increase as the duration of treatment and the total cumulative does of entipsychotic drugs administered to the patient increase. However, the syndrome can develop, although much less commonly, after relatively brief treatment periods at low doese. There is no known treatment for established cases of tartive dyskinesia, although the syndrome may remit, partially or completely. If aritipsychotic treatment is withdrawn. Antipsychotic treatment, is withdrawn. Antipsychotic treatment, is withdrawn. Antipsychotic treatment, is withdrawn. Antipsychotic treatment, is eight however, may suppress (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 bog-term course of the syndrome is unknown.

Enginemic course considerations, RISPERDAL® (inspectione) should be prescribed in a manner that is most fixed to minimize the occurrence of tarative dystinesia. Chonic antipsychotic treatment should generally be reserved for patients who suffer from a duronic illness that (1) is known to respond to antipsychotic drugs, and (2) for whom attemative, 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 protocing a satisfaction clinical response should be sought. The need for confinued treatment should be reassessed periodically.

the signs and symptoms of tardive dyskinesis appear in a patient on RISPERDAL®, drug discon-tinuation should be considered. However, some patients may require treatment with RISPERDAL® despite the presence of the syndrome,

Potential for Procentyburnic Effects: Risperidone and/or 9-hydroxyrisperidone appears to lengthen the OT interval in some patients, although there is no average increase in treated patients, even at 12-16 mg/bay, well above the recommended dase. Other drugs that prolong the QT interval have been associated with the occurrence of torsades de pointes, a life-increatening emrythmica



JJRE 00290174 Confidential/Produced in Litigation Pursuant to Protective Order Bradycardia, electrolyte Imbalance, concomitant use with other drugs that prolong QT, or the presence of congenital prolongation in QT can increase the risk for occurrence of this arrhythmia. PRECAUTIONS

General Orthostatic Hypotension: RISPERDAL[®] (risperidone) may induce orthostatic hypotension associated with dizziness, tachycardia, and in some patients, syncope, especially during the initial dose-titration period, probably reflecting its alpha-adienergic antiagonistic properties. Syncope was reported in O.2% (6/2607) of RISPERDAL[®] treated gatients in phase 2-3 studies. The risk of orthostatic hypotension and syncope may be minimized by limiting the initial dose to 2 mg total (either QD or 1 mg BID) in normal adults and 0.5 mg BID in the elderly and patients with renal or hepatic impatment (See DOSAGE AND ADMINISTRATION). Monitoring of orthostatic vital signs should be considered in patients for whom this is of concern. A dose reduction is hould be considered if hypotension occurs. RISPERDAL[®] should be used with paticular caution in patients with known cardiovascular disease (history of myocardial infarction or ischemia, heart failure, or conduction abnormalities), cerebrovascular disease, and condilions which would predispose patients to hypotension e.g., dehydration and hypootensina. Clinically significant hypotension has been observed with concomitant use of RISPERDAL[®] and althypertensive medication.

Seizures: During premarketing testing, seizures occurred in 0.3% (9/2607) of RISPERDAL® treated patients, two in association with hyponetremia, RISPERDAL® should be used cautiously in patients with a history of seizures

Dyspring/in: Esophageal dysmotifity and aspiration have been associated with antipsychoic drug use. Aspiration pneumonia is a common cause of morbidity and mortality in patients with advanced Atchements dementia, RISPERDAL® and other antipsycholic drugs should be used cautiously in patients at risk for aspiration pneumonia.

at his/for aspiration pneumonia. Hyperprolactinemia: As with other drugs that antagonize dopamine D, receptors, risperidone elevates prolacin levels and the elevation persists during chronic administration. Tissue culture experiments indicate that approximately one-third of human breast cancers are prolacin dependent in vitro, a factor of potential importance if the prescription of these drugs is contempilted in a prisident with previously detected breast cancer. Atthough disturbances such as galactorrine, amenomen, pysecomastia, and impotence have been reported with protectime detecting compounds, the clinical significance of elevated serum prolacin levels is unknown for most patients. As is common with compounds which increase prolactin replases, an increase in plating yeard, memmary gland, and parceratio islet cell hyperplasia andre captional base been reported with preliber detection contrained by the service of the service of the tables of the tables of the tables of the tables of the services of the service of the table tables of the services of the tables of the services of the service of the services of the services of the services of the tables of the services of these neutrons of the services and the services and the services of the servic

humans; the available evidence is considered too limited to be conclusive at this time. Potential for Cognitive and Motor Impairment: Somolence was a commonly reported adverse event associated with PISPERDAL® treatment, especially when escertained by direct questioning of palients. This adverse event is done related, and in a study utilizing a checkist to detect adverse events, 41% of the high dose patients (RISPERDAL® 16 mg/day) reported somolence compared to 15% of placebo patients. Direct questioning is more sensitive for detecting adverse events than spontaneous reporting, by which 8% of RISPERDAL® 16 mg/day patients and 1% of placebo patients: reported somolence as an adverse event. Since RISPERDAL® has the potential to impair judgment, thinking, or motor skills, patients should be cautioned about operating hazardous machinery, including automobiles, until they are reasonaby certain that RISPERDAL® thempotent does not affect them adversely.

Pripriori. Rare cases of prispism have been reported. While the relationship of the events to RISPERDAL® use has not been established, other drugs with alpha-adrenergic blocking effects have been reported to induce prispism, and it is possible that RISPERDAL® may share this capacity. Severe priapism may require surgical intervention.

capacity. Severe phages may require surgical intervention. Thrombotic Thrombocytopenic Purpure (TTP): A single case of TTP was reported in a 26 year-old female patients). She experienced jaundice, fever, and bruising, but eventually recovered after receiving bismaphenesis. The relationship to RSPERDAL® herapy is unknown. Antiemetic effect: Risperdone has an antiemetic effect in animals; this effect may also occur in humans, and may mask signs and symptoms of overdosage with cartain drugs or of conditions such as intestinal obstruction. Reye's syndrome, and brain tumor.

Body Temperature Regulation: Dispution of body temperature regulation has been attributed to antipsycholic agents. Both hyperthermia and hypothermia have been reported in association with RISPERDAL® size. Caution is advised when prescribing for patients who will be exposed to temperature stranges.

Suicide: The possibility of a suicide attempt is inharent in schizophrenia, and close supervision of high risk patients should accompany drug therapy. Prescriptions for RISPERDAL® should be written for the smallest quarity of tablets consistent with good patient management, in order to reduce the risk of overdose.

Use in Patients with Concomitant Illness: Clinical experience with RISPERDAL[®] in patients with certain concomitant systemic linesses is limited. Caution is advisable in using RISPERDAL[®] in patients with liseases or conditions that could alled metabolism or hemodynamic responses.

patients with diseases or conditions that could affect metabolism or hemodynamic responses. RISPERDAL[®] has not been evaluated or used to any appreciable exant in patients with a recent history of myocardial infanction or unstable heard disease. Patients with these disgnoses were excluded from dinical studies during the product's premarket testing. The electrocardiograms of approximately 300 patients who received RISPERDAL[®] and 120 patients who received placebo in two double-blind, placebo-controlled trials were evaluated and the data revealed one finding of potential concern, i.e., 8 patients taking RISPERDAL[®] whose baseline DTC interval was less than 450 msec were observed to have OTC intervals preserve than 450 msec during trainment; no such prolongations were seen in the smaller placebo group. There were 3 such episodes in the approximately 125 patients who received haloperiod. Because of the risks of othosatic hypotension and OT prolongations were seen in the observed in cardiace patients (See WARNINGS and PRECAUTIONS).

Increased plasma concentrations of reperione and Shydroxy/sperione occur in patients with Increased plasma concentrations of reperione and Shydroxy/sperione occur in patients with severe renal impairment (cheatinne clearance <20 mL/min/1/3 m²), and an increase in the free fraction of the insperione is seen in patients with severe hepatic impairment. A lower starting dose should be used in such patients (See DOSAGE AND ADMINISTRATION).

Information for Patients Physiclans are advised to discuss the following issues with patients for whom they prescribe RISFERDALS:

RISPERDALT: Orthostatic Hypotension: Patients should be advised of the risk of orthostatic hypotension, especially during the period of initial dose taration. Interference With Cognitive and Motor Performance: Since RISPERDAL® has the potential to impair judgment, linking, or motor skiks, patients should be activitioned about operating hazardous machinery, including automobiles, until they are reasonably certain that RISPERDAL® therapy does not affect them advective. them adversely.

Pregnancy: Petients should be advised to notify their physician if they become pregnant or intend to mant during therapy.

Nursing: Patients should be advised not to breast feed an infant if they are taking RISPERDAL*.

Concomitant Medication: Patients should be advised to Inform thair physiciane. If they are taking, or plan to take, any prescription or over-the-counter drugs, since there is a potential for interactions. *Alcohol:* Patients should be advised to avoid alcohol white taking RISPERDAL®. Laboratory Tests

No specific laboratory tests are recommended.

Drug interactions The interactions of RISPERDAL® and other drugs have not been systematically evaluated. Given the primary CNS effects of risperidone, caution should be used when RISPERDAL® is taken in combination with other centrally acting drugs and alcohol.

Comparison will come term any acting program and constraints of the protonol. Because of its potential for inducing hypotension, RISPERDAL® mey enhance the hypotensive whether of other therapeutic agents with this potential, RISPERDAL® may anlagonize the effects of levodopa and dopamine agonists.

Chronic administration of carbamazepine with risperidone may increase the clearance of risperidone.

Chronic administration of clozapine with risperidone may decrease the clearance of risperidone. Fluoxetine may increase the plasma concentration of the anti-psychotic fraction (isperidone plus 9-hydroxyrisperidone) by raising the concentration of isperidone, although not the active metabolite. hydroxyrisperido 9-hydroxyrisperid mitian

9-hydroxynisperidome. Drugs that inhibit cytochrome P_a/ID_e and Other P_a Isozymes: Risperidone is metabolized to 3-hydroxynisperidone by cytochrome P_a/ID_e an erroyme that is polymorphic in the population and that can be inhibited by a variety of psychatropic and other drugs (See CLINICAL PriARMACOLOGY). Drug interactions that reduce the metabolizen of risperidone to 9-hydroxyrisperidome would increases the plasma concentrations of risperidone and lower the concentrations of 9-hydroxyrisperidone. Analysis of clinical studies involving a modest number of poor metabolizers (m-70) does not suggest that poor and extensive metabolizers have different rates of adverse effects. No comparison of effectiveness in the two groups has been made.

In vitro studies showed that drugs metabolized by other P_{aw} isozymes, including 1A1, 1A2, I/C9, MP; and II/A4, are only weak inhibitors of risperidone metabolism.

The new presence of the second second

Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis: Auragenesis: any animate or renung Carcinogenesis: Carcinogenesis: Carcinogeneitidy studies were conducted in Swiss albino mice and Wistar rats. Risperidone was administered in the diet at doses of 0.63, 2.5, and 10 mg/kg for 18 monits to mice and for 25 monits to rats. These doses are equivalent to 2.4, 9.4 and 3.7, 5 times the maximum human dose (16 mg/day) on a mg/kg basis of 0.2, 0.75 and 3 times the maximum human dose (mice) or 0.4, 1.5, and 6 times the maximum human dose (rats) on a mg/m² basis. A maximum tolerated dose was not achieved in male mice. There were statistically significant carcases in Publicator dose determines. pituitary gland adenomas, endocrine pancreas adenomas and mammary gland adenocarcinomas. The following table summarizes the multiples of the human dose on e mg/m² (mg/kg) basis at which

TUMOR TYPE	SPECIES	SEX	MULTIPLE OF MAXIMUM HUMAN DOSE in mg/m² (mg/kg)		
			LOWEST EFFECT LEVEL	HIGHEST NO EFFECT LEVEL	
Pituitary adenomas ·	mouse	female	0.75 (9.4)	0.2 (2.4)	
Endocrine pancreas adenomas	rat .	male	1.5 (9.4)	0.4 (2.4)	
Mammary gland	mouse	female	0.2 (2.4)	none	
apenocarcinomas	rat	femele	0.4 (2.4)	none	
	rat	male	6 (37.5)	1.5 (9.4)	
Mammary gland neoplasms, Total	rat.	male	1.5 (9.4)	0.4 (2.4)	

Antipsycholic drugs have been shown to chronically elevate protactin levels in rodents. Serum protactin levels were not measured during the risperidone carcinogenicity studies; however, measurements during subchronic toxicity studies showed that risperidone elevated serum protactin levels 5 to 6 foid in mice and rats at the same doese used in the carcinogenicity studies. An increase in mammary, pituliary, and endocrine pancreas neoplasms has been found in rodents after chronic administration of other antipsycholic drugs and is considered to be protactin mediated. The relevance for human risk of the findings of protactin-mediated endocrine tumors in rodents sunknown (See Hyperploadinemia under PRECAUTIONS, GENERAL). *Bitutegenesis*: No evidence of mutagenic potential for risperidone was found in the Ames reverse mutation test, mouse lymphome assay, in vitro rat hepatocyte DNA-repair assay, in vitro microundus test in mice, the sex-linked recessive latite lest in Drosophia, or the chromesomal aberration test in mice, the sex-linked recessive latite lest. Impairment of Ferdity, risperidone (0.16 to 5 mg/s) was shown to impair mating, but not fertility. Finsperidone

aperration test in human lymphocytes or Chinese hamster cells, impainment of Ferflik; Rispendione 0.16 to 5 mg/tg) was shown to impair mating, but not ferfliky, in Wistar rats in three reproductive studies (two Segmeni I and a multigenerational study) at doses 0.1 to 3 times the maximum recommended human dose on a mg/m² basis. The effect appeared to be in females shore impaired marking behavior was not noted in the Segmeni I study in which makes only were treated. In a subchmote study in Beagle dogs in which risperidone was administered at doses of 0.31 to 5 mg/tg, sperm molity and concentration were decreased at doses 0.5 to 10 times the human dose on a mg/m² basis. Dose-related decreases were also noted in serum testosterone at the same doses. Serum discostinued. No no-effect doses were noted in either rat or dog.

DiscontinueL, the information bases when there in the intervention of the second state of the second state

Placental transfer of risperidone occurs in rat pups. There are no adequate and well-controlled studies in pregnant women. However, there was one report of a case of agenesis of the corpus calisaru in an infant exposed to risperidone in infer. The causar leationship to RISPERDAL® therapy is unknown.

RISPERDAL[®] should be used during pregnancy only if the potential banefit justifies the potential isk to the fetus

Labor and Delivery The effect of RISPERDAL® on labor and delivery in humans is unknown.

Nursing Northers: In animal studies, risperidone and 9-hydroxyrisperidone were excreted in breast milk. It has been demonstrated that hisperidone and 9-hydroxyrisperidone are also excreted in human breast milk. Therefore, women receiving RISPEROAL® should not breast feed.

Pediatric Use Safety and effectiveness in children have not been establish

Geriatric Use

ical studies of RISPERDAL^e did not include sufficient numbers of patients aged 65 and over to Clinical studies of RISPERDAL[®] did not include sufficient numbers of patients aged 65 and over to elerenniae whether they respond differently from younger patients. Other reported clinical experience has not identified differences in responses between elderly and younger patients. In general, a lower stading dose is recommended for an elderly patient, reflecting a decreased pharmacokinetic clearance in the elderly, as well as a greater frequency of decreased hepatic, remal, or cardiac function, and of concomitant disease or other drug therapy (See CLINICAL PHARMACOLOGY and DOSAGE AND ADMINISTRATION). While elderly patients exhibit a greater tendency to othostatic hypotension, its risk in the elderly may be minimized by limiting the initial dose to 0.5 mg BIO followed age careful titration (See PRECAUTIONS). Monitoring of othostatic vital signs should be considered in patients for whom this is of concern.

This drug is known to be substantially excreted by the kidney, and the risk of toxic reactions to this drug may be greater in patients with impaired renal function. Because elderly patients are more Ricely to have decreased renal function, care should be taken in does selection, and it may be useful to monitor renal function. (See DOSAGE AND ADMINISTRATION).

Useful to monitor relies number, our event ADVERSE REACTIONS Associated with Discontinuation of Treatment Approximately 9% (244/2607) of RISPERDAL[®] (risperidone)-treated patients in phase 2-3 studies discontinued treatment due to an adverse event, compared with about 7% on placebo and 10% on

<u>17.2</u>21

active control drugs. The more common events (> 0.3%) associated with discontinuation and considered to be possibly or probably drug-related included:

Adverse Event	RISPERDAL	Placebo
Extrapyramidal symptoms	2.1%	0%
Dicziness	D.7%	0%
Hyperkinesia	0.6%	0%
Somnalence	0.5%	0%
	A DAY	5 .67

Nuclear attempt was associated with discontinuation in 1.2% of RISPERDAL®-treaded patients compared to 0.5% of placebo patients, but, given the almost 4D-fold greater exposure time in RISPERDAL® compared to placebo patients, it is unlikely that suicide attempt is a RISPERDAL® related adverse event (See PRECAUTONS). Discontinuation for extraoyramidal symptoms was 0% in placebo patients but 3.8% in active-control patients in the phase 2-3 trials.

vov in pracezo patients but 3.8% in active-control patients in the phase 2-3 triats. Incidence in Controlled Trials Commonly Observed Advases Events in Controlled Clinical Trials: in two 5 to 8-wask placeho-controlled trials, spontaneously-reported, treatmet-emergent advase events with an incidence of 8% or greater in a least one of the RISPERDA® groups and at least twice that of placebo weare analogy, somnolence, extreprendial symptoms, dizziness, constipation, nausea, dyspepsia, thinilis, read, and tachyzerdia.

somolence, extrapyramidal symptoms, dizziness, constipation, nausca, dyspepsia, thinilis, rash, and tachyzardia. Adverse events were also elicited in one of these two trials (i.e., in the fixed-does trial comparing RISPERDAL⁶ at doess of 2, 6, 10, and 16 mg/day with placebo) utilizing a checkfis for detecting externse events, a method that is more sensitive than spontaneous reporting. By this method, the following additional common and drug-rolated adverse events were present at all least 5% and wice the raise of placebox increased dream activity, increased duration of size, accommodation discubances, reduced salvation, increased directorse, diarrhea, weight gain, menorrhagia, diminished sexual desire, erectile dystainction, alculatory dystinction, and organic dystinction. Adverse Events Occurring at an incidence of 1% or More Among RISPERDAL⁶. Treated Patients: The table that follows enumerates adverse events that coursed at an incidence of 1% or more, and were at least as frequent among RISPERDAL⁶ viceated patients treated at doese of 5 10 mg/day than among placebo-inseted patients in the poole results of two to 16 advect controlled triats. Patients: The table that follows enumerates adverse events that occurred at an indicatence of 1% or more, and were at least as frequent among RISPERDAL⁶-treated patients treated at doese of 5 10 mg/day than among placebo-inseted patients in the pool results of two to 16 advect controlled triats. Patients: The table that follows enumeraten. Patients given doese of 2, 6, or 10 mg/day in the disce comparison trial, or up to a maximum the treatment. Patients given doese of 2, 6, or 10 mg/day in the disce doese of 10 mg/day in the disce active advected terms. The prescriber should be aware that these figures cannot be used to predict the incidence of side effects in the course of turns. The inter disclast practice where patient characteristics and other factors differ from those which prevaled torms. The cited discurse, however, do provide the preschilding physician wit

Table 1:	n 6 to 8-Wee	k Controlled Cl	inical Trials ¹	lence	
Body System/		RISPI	ERDAL®	Placebo	
Preferred Term		≤10 mo/dav	16 mo/dav		
		(N=324)	(N=77)	(N=142)	
Psychiatric Disorders					
Insompia		26%	23%	19%	
Acitation		22%	26%	20%	
Anxiety		12%	20%	9%	
Somnoience		3%	8%	1%	
Aggressive reaction		1%	3%	1%	
Nervous System					
Extrapyramidal sympto	ms ²	17%	34%	16%	
Headache		14%	12%	12%	
Dizziness		4%	7%	1%	
Gestmintestinal System					
Constination		7%	13%	3%	
Naticea		6%	4%	3%	
Ducaencia		5%	10%	4%	
Voniting		5%	704	4%	
Abdominal pain		404	1%	D%	
Salar increased		294	194	104	
Toothacha		2%	0%	0%	
Dessimilary Duritory		~ /0	074	010	
Respiratory System		100/	DD/	10/	
Ramus		10 /6	200	4 70	
Lougning		3%	3/0	170	
Sinusits		2%	176	170	
Pharyngms		270	3%	0%	
Dyspnea		176	0% .	0%	
Body as a Whole					
Back pain					•
Chest pain		2%	3%	1%	
Fever		2%	3%	0%	
Dermatological					
Rash		2%	5%	1%	
Dry skin		2%	4%	0%	
Seborrhea		1%	0%	D%	
Infections					
Upper respiratory		3%	3%	1%	
Visual					
Abnormal vision		2%	1%	1%	
Musculo-Skeletal					
A thralmia		2%	3%	0%	
Cardiouanoulat		- 70	- 10	074	
Tachycardia		3%	5%	0%	

1 Sevents reported by at least 1% of patients treated with RISPERDAL \$ 10 mp/day are included, and are rounded to the nearest ½. Comparative rates for RISPERDAL \$ 10 mp/day and placebo are provided as well. Events for which the RISPERDAL® incidence (in both dose groups) was equal to or less than placebo are not listed in the table, but included the following: nervousness, injury, and fungal infection.

nervousness, njury, ano tungai infection.
² Incluides tremor, dystoinia, hypokinesia, hypertonia, hyperkinesta, ocubgyzic zrieis, alaxia abnormal gait, involuntary muscle contractions, hyporeflexia, akethisia, and extrapyramida disorders. Altiough the incidence of extrapyramidal symptoms does not appear to differ for the 's 10 mg/day' group and pacebo, the data for Individual does groups In fixed does trials dr suggest a dose/response relationship (see DOSE DEPENDENCY OF ADVERSE EVENTS).

Suggest a User Spotse reasonance (SE Declet Control of Particle Letters). Does Dependency of Adverse Events: Extrapyremidel symptoms: Data from two fixed dose trials provided evidence of dose-relatedness for extrapyremidel symptoms associated with risperitore treatment.

Two methods were used to measure extrapyramidal symptoms (EPS) in an 8-week that comparing four

foxed doses of risperidone (2, 6, 10, and 16 mp/day), including (1) a parkinsonism score (mean change from baseline) from the Extrapyramidal Symptom Rating Scale and (2) incidence of spontaneous complaints of EPS:

Dose Groups	Placebo	Ris 2	Ris 6	Ris 10	Ris 16	
Parkinsonism	1.2	9.0	1.B	2.4	2.5	
EPS incidence	13%	13%	16%	20%	31%	

Similar methods were used to measure extrapyramidal symptoms (EPS) in an 8-week trial comparing five fixed doses of risperidone (1, 4, 8, 12, and 16 mg/day):

Dose Groups	Ris 1	Ris 4	Ris 8	Ris 12	Ris 16
Parkinsonism	D.6	1.7	2.4	2.9	4.1
EPS Incidence	7%	12%	18%	18%	21%

Other Adverse Events: Adverse event data elicitat by a checklist for side effects from a large study comparing 5 fixed doese of RISPEROA(e (1, 4, 8, 12, and 16 mg/day) were explored for does-relationess of adverse events. A Contran-Amitage Tast for trand in these data revealed a positive trans for the following adverse events: aleepiness, increased duration of sleep, accommodetion disturbance, of othestic discusses, palpations, weight gain, erectle dysfunction, ejaculating dysfunc-tion, organic dysfunction, asthenia/assitude/nonsased failguability, and increased pigmentation. Vital Sign Changes: RSPERDAL[®] is associated with orthostatic hypotension and tachycardia (See PRECAUTIONS).

Weight Changes: The proportions of RISPERDAL® and placebo-treated patients meeting a weight gain ciferion of 2 7% of body weight were compared in a pool of 6 to 8-week placebo-controlled trials, revealing a statistically significantly greater incidence of weight gain for RISPERDAL® (18%) compared to placebo (9%).

compares to pacetory (%%). Laboratory Charges: A between group comparison for 6 to 8-week placebo-controlled trials revealed no statistically significant RISPERDAL®/placebo differences in the proportions of patients experiencing potentially inportant changes in routine serum chemistry, hematology, or uninalysis parameters. Similarly, there were no RISPERDAL®/placebo differences in the incidence of discontinuations for changes in serum chemistry, hematology, or unaways, however, RISPERDAL® administration was associated with increases in serum protectin (See PRECALTIONS).

ESSOCiated with increases in seriar ploca. In cere Frecholory, ECG Changes: The electrocardiograms of approximately 380 patients who received RISPERDAL® and 120 patients who received placebo in two double-bind, placebo-controlled trials were evaluated and revealed one tricing or plorential concern (i.e. platients taiking RISPERDAL® whose baseline CTo interval was less than 450 misec were observed to have CTC intervals greater than 450 misec during freatment (See WARNINGS). Changes of this type were not seen among about 120 placebo patients, but were seen in patients receiving haloperidol (3/125).

[See WARNINGS]. Charges of this type when not seen among about 120 placebo patients, but were seen in patients necking happendio [3726]. Other Events Observed During the Pre-Marketing Evaluation of RISPERDAL[®] (risperidone) were administered to 2807 patients in phase 2 and 3 studies. The conditions and duration of acrosure to RISPERDAL[®] (risperidone) were administered to 2807 patients in phase 2 and 3 studies. The conditions and duration of acrosure to RISPERDAL[®] (risperidone) were administered to 2807 patients in phase 2 and 3 studies. The conditions and duration of acrosure to RISPERDAL[®] (risperidone) were socialed with this exposure were obtained in overlapping categories) poen and double-bind studies, uncontrolled and controlled studies, inpatient and outpatient studies, thred-close and titration studies, and short-term or longer-term exposure. In most studies, thred-close meaninghil estimate of the proportion or individuals experiencing adverse events without first grouping similaritypes of unboward events into a smaller number of standardized event categories. In two large studies, adverse events were also elicited tuiking the U/U (direct questioning) side effect rating scale, and these events were not further categorized using standard terminology (Note These events are marked with an asteria in the listing the U/U (direct questioning) side effect rating scale, and these events were not further categorized using standard terminology (Note These events are marked with an asteria). The frequencies presented, therefore, represent the proportion of the 2507 patients exposed to multiple bases of NISPERDAL[®] who experienced an event of the type cited on at least one occasion while receiving RISPERDAL[®] who experienced an event of those event threes where so general as to be uninformative. It is imported to emphasize that, athough the events reported occurred during treatment with RISPERDAL[®], they were for necessing values adjusted by d. Events are further categorized by thy dy

were not necessarily caused by it. Events are further subgorized by body system and isled in order of decreasing frequency according to the following definitions: frequent adverse events are those occurring in at least 1/100 patients (only those not already listed in the tabulated results from placebo-controlled frails appear in this listing); infrequent adverse events are those occurring in 1/100 to 1/1000 patients; rare events are those occurring in fewer than 1/1000 patients.

Psychiatic Disorders: Frequent Increased dream activity", diminished sexuel desire", nervosmess. Infrequent impaired concentration, depression, apethy, catalonic reaction, euphoria Increased Biola, annesia. Rare: embloal lability, njithmeres, delitium, withdrewal syndrome, vawning

Central and Peripheral Nervous System Disorders: Frequent: increased sleep duration. Infrequent: dysarthria, verilgo, stupor, paraesthesia, confusion. Rare: aphasia, cholinergic syndrome, hypoesthesia, tongue paralysis, leg cramps, torticollis, hypotonia, coma, migraine, hyperroflexia, chorecathetosis.

nyperelexa, choreaellexosa. Gastro-intextinal Discorders: Frequent: anorexta, reduced salivation^{*}. Infrequent: flatulence, diarrhea, increased appetite, stomatitis, roelena, dysphagia, hemorrhoids, gastritis. Rore: fecal incontinence, eructation, gastrossophageal reflux, gastroentritis, esophaghis, hongue discoloration, cholelithiasis, tongue adema, diverticulitis, gingiritis, discolored feces, Gl bemorrhape. hemorrhage, hematemesis.

Body as a Whole/General Disorders: Frequent fatigue. Infrequent: edema, rigors influenza-like symptoms. Rare: pallor, enlarged abdomen, allergic reaction, asciles, sa fiushing.

nory System Disorders: Infraquent hyperventilation, bronchospesm, pneumonia, stridor. strma, increased sputum, aspiration.

Faire assima, increased sputin, approximation approximation and approximation appro

Viscian Discurgers: Infrequent: abnormal accommodation, serophihalmia. Rare: diplopia, eye pain, blepharitis, photopsie, photophobia, abnormal laccimitation.

Deplants, procepse, princeprioria, autornient escimation. Metabolit: and Nutritional Disorders: Infrequent hyponatremia, weight increase, creatine phosphokinase increase, thirst, weight decrease, diabetes mellitus. Rare: decreased serum iron, cachexia, detydration, hypoprokalemia, hypoproteitemin, hypertrigityceridemia, hyperuricemia, hypogycemia. Uninary System Disorders: Frequent polyutia/polydipais'. Infrequent uninary incontinence, hematuria, dysatira. Rare: uninary interation, cystilis, renal insufficiency.

Musculo-ekeletal System Disorders: Infrequent: myalgia, Rare: arthrosis, synosiosia, bunalia, arthrosia, seletal pain.

steezin pan. Reproductive Disorders, Female: Frequent menormagia", orpastic dysfunction", dry vagina". Infrequent: nonpuerperal lactation, amenormea, female breast pain, leukormea, mastilis, dysmiconmea, female penneal pain, intermenstrual blecding, vaginal hemormage. *Liver and Biary System Disorders: Intrequent:* Intereased SGOT, Increased SGOT, Rare: hepatic failure, cholestatic hepatitis, cholecystilis, choleikhlasis, hepatitis, hepatocellular damage.

Platelet, Bleeding and Clotting Disorders: Infrequent: epistaxis, purpura. Rare: hemorrhage, superficial phiebilis, thrombophiebilis, thrombocytopenia.

JJRE 00290176 Confidential/Produced in Litigation Pursuant to Protective Order

na senta que da presente en la constanta da presente

NTN SARA ANY. Nganang - pana se a constant La calante da constante da

Hearing an d Vestibular Disorders: Rare: tinnitus, hyperacusis, decreased hearing. Red Blood Cell Disorders: Infrequent: anemia, hypochromic anemia, Rare: normocytic anemia, Reproductive Disorders, Male; Frequent: erectle dysfunction". Infrequent: ejacutation failure. White Cell and Resistance Disorders: Rare: leukocylosis, lymphadenopathy, leucopenia, Pelger-Huet nomaly.

Endocrine Disorders; Rare: ovnecomastia, male breast pain, antidiuretic hormone disorder. Special Senses: Rare: bitter laste.

Incidence based on elicited reports. Possfurtoduction Reports: Adverse events reported since market introduction which were temporally (but not necessarily causally) related to RISPEROAL® therapy, include the following: anaphylactic reaction, angloedema, apnea, atrial fibrillation, cerebrovascular disorder, including cerebrovascular accident, diabetes melitus aggravated, including diabetic ketbacktosis, intestinal obstruction, jaundice, mank, pancealitis, Parkinson's disease aggravated, pulmonary emoblan. There have been rare reports of sudden death and/or cardiopulmonary arrest in patients reacting RISPERDAL®, Acausal relationship with RISPERDAL® has not been established. It is important to note that sudden and unexpected death may occur in psychotic patients whether they remain unbreaked or whether they are treated with other antipsychotic drugs. Double APILE AND DEPENDENCE

URUG ABUSE AND DEPENDENCE Controlled Substance Class: RISPERDAL® (risperidone) is not a controlled substance. Physical and Psychologic Depantience: RISPERDAL® has not been systematically studied in animats on the potential for abuse, tolerance or physical dependence. 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. Consequently, palients should be evaluated carefully for a history of drug abuse, and such patients should be observed obsely for signs of RISPERDAL® misuse or abuse (e.g., development of tolerance, increases in dose, drug-seeking behavior). WEEPOCACE

OVERDOSAGE

blobse (in) search (100, Euchr).
OVERDOSAGE
Human Experience: Premarketing experience included sight reports of acute RISPERDAL[®] (risperidone) overdosage with estimated doses ranging from 20 to 300 mg and no fatalities. In general, reported signs and symptoms were those resulting from an exaggeritation of the drug's known pharmacological effects, i.e., drowsiness and sedation, tachycardia and hypotension, and extra paramilla symptoms. One case, involving an estimated doverdose of 240 mg, was associated with estimated doses of up to 350 mg. The session of the drug's known pharmacological effects, i.e., drowsiness and sedation, tachycardia and hypotension, and extra pyramilda symptoms. One case, involving an estimated toverdose of 240 mg, was associated with estimated towerdose of 240 mg, was associated with estimated pression of the drug's known pharmacological effects, i.e., drowsiness, section, tachycardia and hypotension. Other adverse events reported since market informations are those resulting from an exaggerition of the drug's known pharmacological effects, i.e., drowsiness, section, tachycardia and hypotension. Other adverse events reported since market information there temporally, (but not recessarily causaly) related to RISPERDAL[®] overdose, include prolonged OT interval, convulsions, cardiophilmionary arrest, and rare taking associated with multiple drug overdose.
Managament of Overdose include orthous electrocaritic lavage (after intubation, figuration and were temporality), but out the considered. The possibility of oblundation, sebures or dystonic reactric lavage, establish and maintain an airway and ensure a risk of aspiration with induced emessis. Cardiovascular monitoring to beleat possible arrhythmias. If antiarrhythmic therapy is administered, disopyramide, procainamide and reak lobiong overdose. Similarly, its reasonable to expect that the alpha-blocking properties measures should be considered. Hypotension, alpharetidone, resulting in problematic hypotension.

supervision and monitoring should continue until the patient recovers. DOSAGE AND ADMINISTRATION Usural Initial Doss: RISPERDAL[®] (risperidone) can be administered on either a BID or a OD schedule. In early short-term clinical traits, RISPERDAL[®] was generally administered at 1 mg BID initially. With increases in increments of 1 mg BID on the second and third day, as tolerated, to a target dose of 3 mg BID by the third day. Subsequent short-term controlled triats have indicated that total daily infrailey. With observe of the second end there are a subsequent of the second and third day. Subsequent short-term controlled triats have indicated that total daily increases to 2 mg CD on the second day and to a target dose of 4 mg CD on the third day. Newley, regardless of which regimen is employed, in some patients a slower titration may be medically appropriate. Further dosege adjustments, i indicated, should generated tora is proving and the typical provide of the typical patient. Weak is the dose of the could generated tora approximately of the exploration. A many be medically used that have indicated for approximately in weak in the typical patient. When dosage adjustments are necessary, small dose increments/decrements of 1-2 mg are recommended.

Increments/decrements of 1-2 mg are recommended. Efficacy in schizophrenia was demonstrated in a dose range of 4 to 16 mg/day in short-term clinical trials supporting effectiveness of RISPERDAL⁶, however, maximal effect was generally seen in a range of 4 to 8 mg/day. Doses above 6 mg/day for BID dosing were not demonstrated to be more efficacious than lower doses, were associated with more extrapyranidal symptoms and other adverse effects, and are not generally tecommended. In a single study supporting OD dosing the efficacy results were generally storage for 8 mg than for 4 mg. The safety of doses above 16 mg/day has not been evaluated in clinical trials.

mg/day has not been evaluated in clinical thats. Maintenance Therapy: While there is no body of evidence available to answer the question of how long the schizzphrenic patient treated with RISPERDAL⁶ should remain on it, the effectiveness of RISPERDAL⁹ ang/day to a mg/day at dealying relapse was demonstrated in a pontrolled trial in patients who had been clinically stable for at least 4 weeks and were then followed for a period of 1 to 2 years. In this trial, RISPERDAL⁶ was doministered on a QD schedule, at 1 mg DD initially, with increases to 2 mg QD on the second day and to a target dose of 4 mg DD on the third day (See Clinical Trials, under CLINICAL PHARMACOLOCY). Nevertheless, patients should be periodically reassessed to determine the need for maintenance treatment with appropriate dose.

Pediatric Use: Safety and effectiveness in pediatric patients have not been established.

Parsage in Special Populations: The recommended initial does is 0.5 mg BD in patients that Desage in Special Populations: The recommended initial does is 0.5 mg BD in patients that elderly or debilitated, patients with severe renal or head to impairment, and patients either predisposed to hypotension or for whom hypotension would pose a risk. Dosage increases in these patients should be in incremente of no more than 0.5 mg BD. Increases to dosages above 1.5 mg BD should generally occur at intervals of al least 1 were (In some patients, slower thread on may be

BID should generally occur at intervals of at least 1 week. In some patients, stower titration may be medically appropriate. Elderly or debilitated patients, and patients with renal impairment, may have less ability to eliminate RISPETDAL[®] than normal adults. Patients with impaired hepatic function may have increases in the free fraction of the risperidione, possibly resulting in an enhanced effect (See CLNIXCAL PHARMACDLOGY). Patients with a predisposition to hypotensive reactions or for whom such reactions would pose a particular risk ifkewise need to be titrated catallously and carefully monitored (See PRECAUTIONS). If a once-a-day dosing regimen in the eldenly or debilitated patient is being consisterd, is recommended that the patient be titrated on a huice-adu regimen for 2-3 days at the target dose. Subsequent switches to a once-aday dosing regimen can be done thereafter. *Reinfiniteton Treatment in Patients Previously Discontinued*: Alhough there are no data to pacifically address reinfilation of meatment, it is recommended that when restarting patients who have had an interval of RISPERDAL^C, the initial titration sciencilus exhault be followed. Switching from Other Antificsychofics: There are no systematically collected data to specifically

have table an interval of root proceed, the mean national automatic and the automatic and the proceeding of the second se

antipsychotic administration should be minimized. When switching schizophrenic patients from depot antipsychotics, if medically appropriate, initiate RISPERDAL® therapy in place of the next scheduled injection. The need for continuing existing EPS medication should be revolused periodically. HOW SUPPLIED

RISPERDAL[®] (risperidone) tablets are imprinted "JANSSEN", and either "Ris" and the strength "0.25", "0.5", or "R" and the strength "1", "2", "3", or "4", 0.25 mg dark yellow tablet: bottles of 60 NDC 50458-301-04, bottles of 500 NDC 50458-301-50, 0.5 mg red-brown tablet: bottles of 60 NDC 50458-302-06, bottles of 500 NDC 50458-302-50,

mg while tablet: bottles of 60 NDC 50458-302-06, blister pack of 100 NDC 50458-302-50, nf 500 NDC 50458-300-01, bottles of 500 NDC 50458-300-50.

2 mg orange tablet: bottles of 60 NDC 50458-320-06, blister pack of 100 NDC 50458-320-01, -bottles of 500 NDC 50458-320-50.

3 mg yellow tablet: bottles of 60 NDC 50458-330-06, blister pack of 100 NDC 50458-330-01, bottle of 500 NDC 50458-330-50.

4 roor that background is the second of the second second

Tests indicate that RISPERDAL[®] (risperidone) oral solution is compatible in the following beverages: water, coffee, orange juice, and low-fat milk; it is NOT compatible with either cola or tea, however,

Water, uniter, uniter, uniter Storage and Handling RISPERDAL[®] tablets should be stored at controlled room temperature 15*-25*C (59*-77*P). Protect

RSPERDAL[®] tablets should be stored at controlled room temperature 15°-25°C (59°-777°F). Protect from fight and molsture. Keep out of reach of children. RISPERDAL[®] 1 mg/mL oral solution should be stored at controlled room temperature 15°-25°C (59°-777). Protect from light and freezing. Keep out of reach of children.

7503220 US Patent 4,804,663 February 2002 © Janssen 2000

RISPERDAL[®] tablets are manufactured by: JOLLC, Gurabo, Puerto Rico or Janssen-Cilao SpA Latina Italy

RISPERDAL® oral solution in manufactured by: Janssen Pharmaceutica N.V. Beerse, Belgium

RISPERDAL® tablets and oral solution are distributed by: Ph Ph aceutica Products, L.P. Titusville, NJ 08550

> JANSSEN PRODUCTS, L.P.

JJRE 00290177 Confidential/Produced in Litigation Pursuant to Protective Order