PRODUCT ITEM / PAC DESIGN S CODE DIMENSIO ART WOR

DATE

SILDENAFIL CI

N=734

Table 1. Adverse Reactions Reported by $\geq 2\%$ of Patients 1

Placebo in Fixed-Dose Phase II/III Studies

Ahnormal visir

Back pain

Myalgia

lasal congestion

sensitivity to light, or blurred vision.

Placebo in Flexible-Dose Phase II/III Studies

reactions were reported:

Adverse Reaction

leadache

Nasal Conges

Back pain

Dizziness

cardiomyopathy.

onormal Visio

mprecise to be meaningful:

allergic reaction, chest pain, accidental injury.

Hemic and Lymphatic: anemia and leukopenia

abnormal dreams, reflexes decreased, hypesthesia.

hypoglycemic reaction, hypernatremia

e hemorrhage, cataract, dry eyes

6.2 Postmarketing Experience

Cardiovascular and cerebrovascular

edema and anorgasmia.

not known

Respiratory: epistaxis

traction/detachment.

and hematuria.

DRUG INTERACTIONS

harmacology (12.2)]

7.4 Ritonavir and other CYP3A4 inhibitor

nafil Citrate is not indicated for use in female

7.2 Alpha-blockers

7.3 Amlodipine

7.5 Alcohol

8.1 Pregnancy

Risk Summar

Pharmacology (12.2)].

Special senses:

nction tests abnormal, rectal hemorrhage, gingivitis.

Flushing

HIGHLIGHTS OF PRESCRIBING INFORMATION These highlights do not include all the informatio needed to use SILDENAFIL TABLETS safely and See full prescribing information SILDENAFIL TABLETS.

SILDENAFIL tablets, for oral use Initial U.S. Approval: 1998

LL05

SILDENAFIL

tablets

08098159

----BECENT MAJOB CHANGES-Warnings and Precautions, Effects on the Eye (5.3) 08/2017

----INDICATIONS AND USAGE----Sildenafil citrate is a phosphodiesterase-5 (PDE5) inhibitor indicated for the treatment of erectile dysfunction (ED) (1). ---DOSAGE AND ADMINISTRATION--

- For most patients, the recommended dose is 50 mg taken, as needed, approximately 1 hour before sexual activity. However, Sildenafil tablets may be taken anywhere from 30 minutes to 4 hours before sexual activity (2.1) Based on effectiveness and toleration, may increase to a
- naximum of 100 mg or decrease to 25 mg (2.1) Maximum recommended dosing frequency is once per
- day (2.1) ----DOSAGE FORMS AND STRENGTHS------

ablets: 25 mg, 50 mg and 100 mg (3) ----CONTRAINDICATIONS

- Administration of sildenafil tablets to patients using nitric oxide donors, such as organic nitrates or organic nitrites in any form. Sildenafil citrate was shown potentiate the hypotensive effect of nitrates (4.1, 7.1,
- 12.2)Known hypersensitivity to sildenafil or any component
 Geriatric use: Consider a starting dose of 25 mg (2.5,
- Administration with guanylate cyclase (GC) stimulators. such as riociguat (4.3)
- ----WARNINGS AND PRECAUTIONS--· Patients should not use sildenafil citrate if sexual
- lasts >4 hours. Use sildenafil citrate with caution in Patients should stop sildenafil tablets and seek
- medical care if a sudden loss of vision occurs in one o both eyes, which could be a sign of non arteritic anterio ischemic optic neuropathy (NAION). Sildenafil tablets should be used with caution, and only when the anticipated benefits outweigh the risks, in patients with
- a history of NAION. Patients with a" crowded" optic disc may also be at an increased risk of NAION. (5.3) Patients should stop sildenafil tablets and seek prompt medical attention in the event of sudden decrease o loss of hearing (5.4)

FULL PRESCRIBING INFORMATION: CONTENTS* INDICATIONS AND USAGE

DOSAGE AND ADMINISTRATION

- Dosage Information 2.2 Use with Food Dosage Adjustments in Specific Situations Dosage Adjustments Due to Drug Interactions
- 2.5 Dosage Adjustments in Special Populations **3 DOSAGE FORMS AND STRENGTHS** CONTRAINDICATIONS
- Nitrates
- Hypersensitivity Reactions 4.3 Concomitant Guanylate Cyclase
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- 5.4 Hearing Loss 5.5 Hypotension when Co-administered with
- Alpha-blockers or Anti-hypertensives 5.6 Adverse Reactions with the Concomitant Use of
- Ritonavir
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- Other Erectile Dysfunction Therapies 5.8 Effects on Bleeding
- Counseling Patients About Sexually
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- 6 ADVERSE REACTIONS 6.1 Clinical Trials Experience6.2 Postmarketing Experience

FULL PRESCRIBING INFORMATION INDICATIONS AND USAGE

Sildenafil tablets are indicated for the treatment of erectile dysfunction

DOSAGE AND ADMINISTRATION 2.1 Dosage Information

However, Sildenafil tablets may be taken anywhere from 30 minutes to 4 hours before sexual activity. The maximum ecommended dosing frequency is once per day Based on effectiveness and toleration, the dose may be increased to a maximum recommended dose of 100 mg or

(GC)

creased to 25 mg 2.2 Use with Food Sildenafil tablets may be taken with or without food

2.3 Dosage Adjustments in Specific Situations

Sildenafil tablets was shown to potentiate the hypotensive effects of nitrates and its administration in patients who use nitric oxide donors such as organic nitrates or organic nitrites in any form is therefore contraindicated [see There have been postmarketing reports of bleeding events in patients who have taken sildenafil citrate. A causal

Contraindications (4.1), Drug Interactions (7.1), and Clinical Pharmacology (12.2)]. (5.5). Drug Interactions (7.2), and Clinical Pharmacology (12.2)].

2.4 Dosage Adjustments Due to Drug Interactions

Ritonavir

The recommended dose for ritonavir-treated patients is 25 mg prior to sexual activity and the recommended maximum 5.9 Counseling Patients About Sexually Transmitted Diseases dose is 25 mg within a 48 hour period because concomitant administration increased the blood levels of sildenafil by 11-fold [see Warnings and Precautions (5.6), Drug Interactions (7.4), and Clinical Pharmacology (12.3)]. CYP3A4 Inhibitors

Consider a starting dose of 25 mg in patients treated with strong CYP3A4 inhibitors (e.g., ketoconazole, itraconazole, or 6 saquinavir) or erythromycin. Clinical data have shown that co-administration with saquinavir or erythromycin increased The following are discussed in more detail in other sections of the labeling: plasma levels of sildenafil by about 3 fold [see Drug Interactions (7.4) and Clinical Pharmacology (12.3)]. 2.5 Dosage Adjustments in Special Populations

- Consider a starting dose of 25 mg in patients > 65 years, patients with hepatic impairment (e.g., cirrhosis), and patients patients resulted in higher plasma levels of sildenafil [see Use in Specific Populations (8.5,8.6, 8.7) and Clinical Pharmacology (12.3)
- 3 DOSAGE FORMS AND STRENGTHS

Sildenafil tablets USP are supplied as blue, round, biconvex, film-coated tablets containing sildenafil citrate equivalent to 25 mg, 50 mg or 100 mg of sildenafil. Tablets are debossed with 86, 87 and 88 respectively for 25 mg, 50 mg and 100 mg 🔹 strength on one side and plain on other side. 4 CONTRAINDICATIONS

4.1 Nitrates

Consistent with its known effects on the nitric oxide/cGMP pathway [see Clinical Pharmacology (12.1, 12.2)], sildenafil 6.1 Clinical Trials Experience contraindicated

After patients have taken sildenafil citrate, it is unknown when nitrates, if necessary, can be safely administered. Although Sildenafil citrate was administered to over 3700 patients (aged 19 to 87 years) during pre-marketing clinical trials 8 USE IN SPECIFIC POPULATIONS plasma levels of sildenafil at 24 hours post dose are much lower than at peak concentration, it is unknown whether nitrates can be safely co-administered at this time point [see Dosage and Administration (2.3), Drug Interactions (7.1), and Clinical Pharmacology (12.2)].

4.2 Hypersensitivity Reactions

Sildenafil tablets is contraindicated in patients with a known hypersensitivity to sildenafil, as contained in sildenafil tablets, 20 mg, or any component of the tablet. Hypersensitivity reactions have above the recommended dose range, adverse reactions were similar to those detailed in Table 1 below but generally were 25 mg, 50 mg and 100 mg and sildenafil tablets, 20 mg, or any component of the tablet. Hypersensitivity reactions have been reported, including rash and urticaria [see Adverse Reactions (6.1)].

 Caution is advised when Sildenafil citrate is 4.3 Concomitant Guanylate Cyclase (GC) Stimulators with alpha-blockers or Concomitant use may lead to both the sidenafil tablets in patients who are using a GC stimulator, such as riociguat. PDE5 inhibitors, including sidenafil citrate, may potentiate the hypotensive effects of GC stimulators. co-administered anti-hypertensives. Concomitant use may lead to ion (5.5) Decreased blood pressure, syncope, and prolonged

erection may occur at higher sildenafil exposures. In patients taking strong CYP inhibitors, such as ritonavir, sildenafil exposure is increased. Decrease in Sildenafil citrate dosage is recommended (2.4, 5.6)

---ADVERSE REACTIONS---Most common adverse reactions (≥ 2%) include headache

flushing, dyspepsia, abnormal vision, nasal congestion, back pain, myalgia, nausea, dizziness and rash (6.1). To report SUSPECTED ADVERSE REACTIONS, contact Torrent Pharma Inc. at 1-800-912-9561 or FDA at

1-800-FDA-1088 or www.fda.gov/medwatch. --- DRUG INTERACTIONS---Sildenafil citrate can potentiate the hypotensive effects

nitrates, alpha blockers, and anti-hypertensives (4.1, 5.5, 7.1, 7.2, 7.3, 12.2) With concomitant use of alpha blockers, initiate sildenafil citrate at 25 mg dose (2.3)

- Ritonavir: Do not exceed a maximum single dose of 25 mg in a 48 hour period (2.4, 5.6)
- starting dose of 25 mg (2.4,7.4) -----USE IN SPECIFIC POPULATIONS
- 25 mg (2.5, 8.6)

 activity is inadvisable due to cardiovascular status (5.1)
 Patients should seek emergency treatment if an erection
 See 17 for PATIENT COUNSELING INFORMATION AND FDA-approved patient labeling FDA-approved patient labeling

7 DRUG INTERACTIONS

Nitrates Alpha-blockers

8 USE IN SPECIFIC POPULATIONS

Ritonavir and Other CYP3A4 Inhibitors

13.1 Carcinogenesis, Mutagenesis, Impairment of

HOW SUPPLIED/STORAGE AND HANDLING

*Sections or subsections omitted from the full prescribing

17 PATIENT COUNSELING INFORMATION

Amlodipine

Pregnancy Lactation

Geriatric Use

Renal Impairmen

Mechanism of Actio

12.2 Pharmacodynamics

8.7 Hepatic Impairment

12 CLINICAL PHARMACOLOGY

12.3 Pharmacokinetics

13 NONCLINICAL TOXICOLOGY

8.4 Pediatric Use

10 OVERDOSAGE

DESCRIPTION

14 CLINICAL STUDIES

information are not listed.

Use with caution in patients with the following underlying conditions which can be particularly sensitive to the actions of vasodilators including sildenafil citrate - those with left ventricular outflow obstruction (e.g., aortic stenosis, idiopathic hypertrophic subaortic stenosis) and those with severely impaired autonomic control of blood pressure. There are no controlled clinical data on the safety or efficacy of sildenafil citrate in the following groups; if prescribed, this should be done with caution. Patients who have suffered a myocardial infarction, stroke, or life-threatening arrhythmia within the last 6 months;

CVP3A4 inhibitors (e.g., ritonavir, ketoconazole, itraconazole, erythromycin): Increase Sildenafil citrate exposure (2.4, 7.4, 12.3)
 Patients with cardiac failure or coronary artery disease causing unstable angina.

Erythromycin or strong CYP3A4 inhibitors (e.g., ketoconazole, itraconazole, saquinavir): Consider a

Severe renal impairment: Consider a starting dose of

(2.5, 8.7)

Revised: 12/2024

5.2 Prolonged Erection and Priapism Prolonged erection greater than 4 hours and priapism (painful erections greater than 6 hours in duration) have been reported infrequently since market approval of sildenafil tablets. In the event of an erection that persists longer than 4 hours, the patient should seek immediate medical assistance. If priapism is not treated immediately, penile tissue damage

asodilatory effects, especially in combination with sexual activity.

and permanent loss of potency could result.

WARNINGS AND PRECAUTIONS

5.1 Cardiovascular

medical assessment.

Sildenafil citrate should be used with caution in patients with anatomical deformation of the penis (such as angulation, (such as sickle cell anemia, multiple myeloma, or leukemia). However, there are no controlled clinical data on the safety or efficacy of sildenafil citrate in patients with sickle cell or related anemias. 5.3 Effects on the Eye

There is a potential for cardiac risk of sexual activity in patients with preexisting cardiovascular disease. Therefore

treatments for erectile dysfunction, including sildenafil citrate, should not be generally used in men for whom sexual

activity is inadvisable because of their underlying cardiovascular status. The evaluation of erectile dysfunction should

Sildenafil citrate has systemic vasodilatory properties that resulted in transient decreases in supine blood pressure in

healthy volunteers (mean maximum decrease of 8.4/5.5 mmHg), [see Clinical Pharmacology (12.2)]. While this normally would be expected to be of little consequence in most patients, prior to prescribing sildenafil citrate, physicians should

carefully consider whether their patients with underlying cardiovascular disease could be affected adversely by such

iclude a determination of potential underlying causes and the identification of appropriate treatment following a complete

Hepatic impairment: Consider a starting dose of 25 mg (2.5, 8.7) ee 17 for PATIENT COUNSELING INFORMATION AND ee 17 for PATIENT COUNSELING INFORMATION AND permanent loss of vision, that has been reported rarely post-marketing in temporal association with the use of all PDE5 inhibitors. Based on published literature, the annual incidence of NAION is 2.5 to 11.8 cases per 100,000 in males aged \geq 50. An observational case-crossover study evaluated the risk of NAION when PDE5 inhibitor use, as a class, occurred immediately before NAION onset (within 5 half-lives), compared to PDE5 inhibitor use in a prior time period. The results suggest an approximate 2-fold increase in the risk of NAION, with a risk estimate of 2.15 (95% CI 1.06, 4.34). A similar study reported a consistent result, with a risk estimate of 2.27 (95% CI 0.99, 5.20). Other risk factors for NAION, such as the presence of "crowded" optic disc, may have contributed to the occurrence of NAION in these studies. Neither the rare post-marketing reports, nor the association of PDE5 inhibitor use and NAION in the observational studies,

substantiate a causal relationship between PDE5 inhibitor use and NAION [see Adverse Reactions (6.2)]. Physicians should consider whether their patients with underlying NAION risk factors could be adversely affected by use

of PDE5 inhibitors. Individuals who have already experienced NAION are at increased risk of NAION recurrence. Therefore, PDE5 inhibitors, including sildenafil citrate, should be used with caution in these patients and only when the anticipated benefits outweigh the risks. Individuals with "crowded" optic disc are also considered at greater risk for NAION compared to the general population, however, evidence is insufficient to support screening of prospective users of PDE5 inhibitors, including sildenafil citrate, for this uncommon condition. There are no controlled clinical data on the safety or efficacy of sildenafil citrate in patients with retinitis pigr

minority of these patients have genetic disorders of retinal phosphodiesterases); if prescribed, this should be done with

5.4 Hearing Los

Physicians should advise patients to stop taking PDE5 inhibitors, including sildenafil citrate, and seek prompt medical attention in the event of sudden decrease or loss of hearing. These events, which may be accompanied by tinnitus and dizziness, have been reported in temporal association to the intake of PDE5 inhibitors, including sildenafil citrate. It is not

possible to determine whether these events are related directly to the use of PDE5 inhibitors or to other factors [see Adverse Reactions (6.1, 6.2)].

5.5 Hypotension when Co-administered with Alpha-blockers or Anti-hypertensives

Alpha-blockers Caution is advised when PDE5 inhibitors are co-administered with alpha-blockers. PDE5 inhibitors, including sildenafil

citrate, and alpha-adrenergic blocking agents are both vasodilators with blood pressure lowering effects. When vasodilators are used in combination, an additive effect on blood pressure may occur. In some patients, concomitant use of these two drug classes can lower blood pressure significantly [see Drug Interactions (7.2) and Clinical Pharmacology

(12.2)] leading to symptomatic hypotension (e.g., dizziness, lightheadedness, fainting). Consideration should be given to the following:

- Patients who demonstrate hemodynamic instability on alpha-blocker therapy alone are at increased risk of symptomatic hypotension with concomitant use of PDE5 inhibitors. Patients should be stable on alpha-blocker therapy prior to initiating a PDE5 inhibitor. In those patients who are stable on alpha-blocker therapy, PDE5 inhibitors should be initiated at the lowest dose [see
- Dosage and Administration (2.3) In those patients already taking an optimized dose of a PDE5 inhibitor, alpha-blocker therapy should be initiated at the lowest dose. Stepwise increase in alpha-blocker dose may be associated with further lowering of blood pressure
- when taking a PDE5 inhibitor. Safety of combined use of PDE5 inhibitors and alpha-blockers may be affected by other variables, including intravascular volume depletion and other anti-hypertensive drugs.

Anti-hypertensives Sildenafil citrate has systemic vasodilatory properties and may further lower blood pressure in patients taking Nervous: seizure, seizure,

Virus (HIV), may be considered

in clinical practice.

reported more frequently.

ADVERSE REACTIONS

In a separate drug interaction study, when amlodipine, 5 mg or 10 mg, and sildenafil citrate, 100 mg were orally administered concomitantly to hypertensive patients mean additional blood pressure reduction of 8 mmHg systolic and 7 mmHg diastolic were noted [see Drug Interactions (7.3) and Clinical Pharmacology (12.2)].

The concomitant use of Ritonavir The concomitant administration of the protease inhibitor ritonavir substantially increases serum concentrations of sildenafii (11-fold increase in AUC). If sildenafii citrate is prescribed to patients taking ritonavir, caution should be used. Data from subjects exposed to high systemic levels of sildenafii are limited. Decreased blood pressure, syncope, and prolonged erection were reported in some healthy volunters exposed to high doses of sildenafii (200 to 800 mc). To decrease the chance of adverse reactions in patients taking ritonavir, a decrease in sildenafil dosage is recomm Dosage and Administration (2.4), Drug Interactions (7.4), and Clinical Pharmacology (12.3)].

5.7 Combination with other PDE5 Inhibitors or Other Erectile Dysfunction Therapies The safety and efficacy of combinations of sildenafil tablets, 25 mg, 50 mg and 100 mg with other PDE5 Inhibitors

including sildenafil tablets, 20 mg or other pulmonary arterial hypertension (PAH) treatments containing sildenafil, or other treatments for erectile dysfunction have not been studied. Such combinations may further lower blood pressure. herefore, the use of such combinations is not recommende

Cardiovascular [see Warnings and Precautions (5.1)] Prolonged Erection and Priapism [see Warnings and Precau

Effects on Bleeding [see Warnings and Precautions (5.8)]

nasal congestion, back pain, myalgia, nausea, dizziness, and rash.

worldwide. Over 550 patients were treated for longer than one year

significantly different from placebo (2.3%).

Effects on the Eve [see Warnings and Precautions (5.3)]

earing Loss [see Warnings and Precautions (5.4)]

relationship between sildenafil citrate and these events has not been established. In humans, sildenafil citrate has no effect When sidenafil tablets are co-administered with an alpha-blocker, patients should be stable on alpha-blocker therapy prior to initiating sidenafil citrate treatment and sidenafil citrate treatment and sidenafil citrate should be initiated at 25 mg [see Warnings and Precautions] Nitrates heparin and sildenafil citrate had an additive effect on bleeding time in the anesthetized rabbit, but this interaction has not Administration of sildenafil citrate with nitric oxide donors such as organic nitrates or organic nitrites in any form is been studied in humans. The safety of sildenafil citrate is unknown in patients with bleeding disorders and patients with active peptic ulceration.

Hypotension when Co-administered with Alpha-blockers or Anti-hypertensives [see Warnings and Precautions

Combination with other PDE5 Inhibitors or Other Erectile Dysfunction Therapies [see Warnings and Precautions

The most common adverse reactions reported in clinical trials ($\geq 2\%$) are headache, flushing, dyspepsia, abnormal vision,

In placebo-controlled clinical studies, the discontinuation rate due to adverse reactions for sildenafil citrate (2.5%) was not

Adverse Reactions with the Concomitant Use of Ritonavir [see Warnings and Precautions (5.6)]

Counseling Patients About Sexually Transmitted Diseases [see Warnings and Precautions (5.9)]

NAME :	Sildenafil Tablets	COUNTRY : US	LOCATION :			Supersedes A/W No.:			
СК :	Outsert	NO. OF COLORS: 1	REMARK :						
TYLE :	Front Side	PANTONE SHADE NOS.:	SUBSTRATE : 40 g/m ² Bible Paper						
:	8098159		Activities	Department	Name		Signature	Date	
NS (MM) :	560 x 375		Prepared By	Pkg.Dev					
K SIZE :	S/S	Black	Reviewed By	Pkg.Dev					
:	07-12-2024	Font Size 6 pt_Medi 10 pt	Approved By	Quality					

Note: Pharma code/ Bar code and adjacent text must be visible on folded leaflet.

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

Treated with Sildenafil Citrate and More Frequent than $\frac{D}{A}$								
mg	100 mg	Placebo	t t					
511)	(n=506)	(n = 607)						
%	28%	7%	n 3					
1%	18%	2%	8					
%	17%	2%						
%	11%	1%	Ē					
%	9%	2%						
%	4%	2%	L					
%	4%	1%	e					
%	3%	1%	8					
%	3%	2%	5					
%	3%	1%	þ					

Abnormal Vision: Mild to moderate in severity and transient, predominantly color tinge to vision, but also increased When sildenafil citrate was taken as recommended (on an as-needed basis) in flexible-dose, placebo-controlled clinical trials of two to twenty-six weeks duration, patients took sildenafil citrate at least once weekly, and the following adverse

Table 2. Adverse Reactions Reported by \ge 2% of Patients Treated with Sildenafil Citrate and More Frequent than

cated with on	
TRATE	PLACEBO
	N=725
	4%
	1%
	2%
	2%

Abnormal Vision: Mild and transient, predominantly color tinge to vision, but also increased sensitivity to light, or blurred vision. In these studies, only one patient discontinued due to abnormal vision.

The following events occurred in 2% of patients in controlled clinical trials; a causal relationship to sildenafil citrate is uncertain. Reported events include those with a plausible relation to drug use; omitted are minor events and reports too

Body as a Whole: face edema, photosensitivity reaction, shock, asthenia, pain, chills, accidental fall, abdominal pain,

Cardiovascular: angina pectoris, AV block, migraine, syncope, tachycardia, palpitation, hypotension, postural Digestive: vomiting, glossitis, colitis, dysphagia, gastritis, gastroenteritis, esophagitis, stomatitis, dry mouth, liver

Metabolic and Nutritional: thirst, edema, gout, unstable diabetes, hyperglycemia, peripheral edema, hyperuricemia

Musculoskeletal: arthritis, arthrosis, myalgia, tendon rupture, tenosynovitis, bone pain, myasthenia, synovitis. Nervous: ataxia, hypertonia, neuralgia, neuropathy, paresthesia, tremor, vertigo, depression, insomnia, somnolence,

Respiratory: asthma, dyspnea, laryngitis, pharyngitis, sinusitis, bronchitis, sputum increased, cough increased. Skin and Appendages: urticaria, herpes simplex, pruritus, sweating, skin ulcer, contact dermatitis, exfoliative dermatitis. Special Senses: sudden decrease or loss of hearing, mydriasis, conjunctivitis, photophobia, tinnitus, eye pain, ear pain,

Urogenital: cystitis, nocturia, urinary frequency, breast enlargement, urinary incontinence, abnormal ejaculation, genital

Analysis of the safety database from controlled clinical trials showed no apparent difference in adverse reactions in

The following adverse reactions have been identified during post approval use of sildenafil citrate. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or 12.1 Mechanism of Action establish a causal relationship to drug exposure. These events have been chosen for inclusion either due to their seriousness, reporting frequency, lack of clear alternative causation, or a combination of these factors

Serious cardiovascular, cerebrovascular, and vascular events, including myocardial infarction, sudden cardiac death, ventricular arrhythmia, cerebrovascular hemorrhage, transient ischemic attack, hypertension, subarachnoid and intracerebral hemorrhages, and pulmonary hemorrhage have been reported post-marketing in temporal association with the use of sildenafil citrate. Most, but not all, of these patients had preexisting cardiovascular risk factors. Many of these events were reported to occur during or shortly after sexual activity, and a few were reported to occur shortly after the use of sildenafil citrate without sexual activity. Others were reported to have occurred hours to days after the use of sildenafi circate and sexual activity. It is not possible to determine whether these events are related directly to sildenafil circate, to sexual activity, to the patient's underlying cardiovascular disease, to a combination of these factors, or to other factors [see Warnings and Precautions (5.1) and Patient Counseling Information (17)].

Hemic and Lymphatic: vaso-occlusive crisis: In a small, prematurely terminated study of sildenafil tablets, 20 mg (sildenafii) in patients with pulmonary arterial hypertension (PAH) secondary to sickle cell disease, vaso-occlusive crises requiring hospitalization were more commonly reported in patients who received sildenafil than in those randomized to placebo. The clinical relevance of this finding to men treated with sildenafil tablets, 25 mg, 50 mg and 100 mg for ED is

Hearing: Cases of sudden decrease or loss of hearing have been reported postmarketing in temporal association with the

swelling/pressure, increased intraocular pressure, retinal edema, retinal vascular disease or bleeding, and vitreous

Non-arteritic anterior ischemic optic neuropathy (NAION), a cause of decreased vision including permanent loss of vision has been reported rarely post-marketing in temporal association with the use of phosphodiesterase type 5 (PDE5) inhibitors, including sildentil citrate. Most, but not all, of these patients had underlying anatomic or vascular risk factors for developing NAION, including but not necessarily limited to: low cup to disc ratio ("crowded disc"), age over 50,

diabetes, hypertension, coronary artery disease, hyperlipidemia and smoking [see Warnings and Precautions (5.3) and Patient Counseling Information (17)]. Urogenital: prolonged erection, priapism [see Warnings and Precautions (5.2) and Patient Counseling Information (17)].

contraindicated. Consistent with its known effects on the nitric oxide/coMP pathway, sildenafil citrate was shown to potentiate the hypotensive effects of nitrates [see Dosage and Administration (2.3), Contraindications (4.1), Clinical

Use caution when co-administering alpha-blockers with sildenafil citrate because of potential additive blood pressure-lowering effects. When sildenafil citrate is co-administered with an alpha-blocker, patients should be stable on alpha-blocker therapy prior to initiating sildenafil citrate treatment and sildenafil citrate should be initiated at the lowest dose [see Dosage and Administration (2.3), Warnings and Precautions (5.5), Clinical Pharmacology (12.2)].

When sildenafil citrate 100 mg was co-administered with amlodipine (5 mg or 10 mg) to hypertensive patients, the mean

Co-administration of ritonavir, a strong CYP3A4 inhibitor, greatly increased the systemic exposure of sildenafil (11-fold $Co-administration \ of \ erythromycin, \ a \ moderate \ CYP3A4 \ inhibitor, \ resulted \ in \ a \ 160\% \ and \ 182\% \ increases \ in \ sildenafil \ C_{max}$ and AUC, respectively. Co-administration of saguinavir, a strong CYP3A4 inhibitor, resulted in 140% and 210% increases

[see Dosage and Administration (2.4). Clinical Pharmacology (12.3)].

In fixed-dose studies, the incidence of some adverse reactions increased with dose. The type of adverse reactions in fixed-dose studies, which reflect the recommended dosage regimen, was similar to that for fixed-dose studies. At doses developmental outcomes. Animal reproduction studies conducted with sildenafil did not show adverse developmental outcomes when administered during organogenesis in rats and rabbits at oral doses up to 16 and 32 times, respectively, the maximum recommended human dose (MRHD) of 100 mg/day on a mg/m² basis (*see Data*).

imal Data evidence of teratogenicity, embryotoxicity or fetotoxicity was observed in rats and rabbits which received oral doses up 200 mg/kg/day during organogenesis. These doses represent, respectively, about 16 and 32 times the MRHD on a n/m² basis in a 50 kg subject. In the rat pre- and postnatal development study, the no observed adverse effect dose wa mg/kg/day given for 36 days, about 2 times the MRHD on a mg/m² basis in a 50 kg subject 8.2 Lactation <u>Risk Summary</u>

Idenafil Citrate is not indicated for use in females.

imited data indicate that sildenafil and its active metabolite are present in human milk. There is no information on the fects on the breastfed child, or the effects on milk production 3.4 Pediatric Use

ildenafil citrate is not indicated for use in pediatric patients. Safety and effectiveness have not been established in diatric patients 8.5 Geriatric Use

lealthy elderly volunteers (65 years or over) had a reduced clearance of sildenafil resulting in approximately 84% and 107% higher plasma AUC values of sildenafil and its active N-desmethyl metabolite, respectively, compared to those seen healthy young volunteers (18 to 45 years) [see Clinical Pharmacology (12.3)]. Due to age-differences in plasma protein inding, the corresponding increase in the AUC of free (unbound) sildenafil and its active N-desmethyl metabolite were 45% and 57%, respectively [see Clinical Pharmacology (12.3)].

Of the total number of subjects in clinical studies of sildenafil citrate, 18% were 65 years and older, while 2% were 75 years and older. No overall differences in safety or efficacy were observed between older (> 65 years of age) and younger (< 65 years of age) subjects. However, since higher plasma levels may increase the incidence of adverse reactions, a starting dose of 25 mg should be

considered in older subjects due to the higher systemic exposure [see Dosage and Administration (2.5)]. 8.6 Renal Impairment

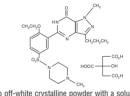
No dose adjustment is required for mild (CLcr=50 to 80 mL/min) and moderate (CLcr=30 to 49 mL/min) renal impairment To volunteers with severe real impairment (Cicr-30 mL/min), sidenafii clearance was reduced, resulting in higher plasma exposure of sildenafii (-2 fold), approximately doubling of C_{max} and AUC. A starting dose of 25 mg should be considered in patients with severe renal impairment [see Dosage and Administration (2.5) and Clinical Pharmacology (12.3)]. 8.7 Hepatic Impairment

In volunteers with hepatic impairment (Child-Puoh Class A and B), sildenafil clearance was reduced, resulting in higher In younteers with negative impairment (childer but of the second patients with any degree of hepatic impairment [see Dosage and Administration (2.5) and Clinical Pharmacology (12.3)] 10 OVERDOSAGE

In studies with healthy volunteers of single doses up to 800 mg, adverse reactions were similar to those seen at lower doses but incidence rates and severities were increase

Cardiovascular: angina pectoris, AV block, migraine, syncope, tachycardia, palpitation, hypotension, postural hypotension, myocardial ischemia, cerebral thrombosis, cardiac arrest, heart failure, abnormal electrocardiogram, accelerate clearance as sildenafil is highly bound to plasma proteins and it is not eliminated in the urine. 11 DESCRIPTION

Sildenafil tablets USP, an oral therapy for erectile dysfunction, is the citrate salt of sildenafil, a selective inhibitor of cyclic guanosine monophosphate (cGMP)-specific phosphodiesterase type 5 (PDE5). Sildenafil citrate, USP is designated chemically as 1-[[3-(6.7-dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo [4.3-d citrate and has the following structural form



weight of 666.7.

Sildenafil Citrate USP is formulated as blue, round, biconvex, film-coated tablets containing sildenafil citrate equivalent to patients taking sildenafil citrate with and without anti-hypertensive medication. This analysis was performed retrospectively, and was not powered to detect any pre-specified difference in adverse reactions. hypromellose, lake of indigo carmine, microcrystalline cellulose, sodium stearyl fumarate, titanium dioxide and triacetin

The physiologic mechanism of erection of the penis involves release of nitric oxide (NO) in the corpus cavernosum during escual stimulation. NO then activates the enzyme guanylate cyclase, which results in increased levels of cyclic guanosin monophosphate (cGMP), producing smooth muscle relaxation in the corpus cavernosum and allowing inflow of blood. Sildenafil enhances the effect of NO by inhibiting phosphodiesterase type 5 (PDE5), which is responsible for degradation of cGMP in the corpus cavernosum. Sildenafil has no direct relaxant effect on isolated human corpus caverno sum. Wher sexual stimulation causes local release of NO, inhibition of PDE5 by sildenafii causes increased levels of cGMP in the corpus cavernosum, resulting in smooth muscle relaxation and inflow of blood to the corpus cavernosum. Sildenafii at recommended doses has no effect in the absence of sexual stimulation

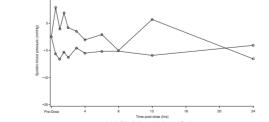
Binding Characteristics Studies in vitro have shown that sildenafil is selective for PDE5. Its effect is more potent on PDE5 than on other known phosphodiesterases (10-fold for PDE6, >80-fold for PDE1, >700-fold for PDE2, PDE3, PDE4, PDE7, PDE8, PDE9, PDE10, and PDE11). Sildenafil is approximately 4.000-fold more selective for PDE5 compared to PDE3. PDE3 is involved in contro of cardiac contractility. Sidenafi is only about 10-fold as potentiar for PDE5 compared to PDE6, an enzyme found in the retina which is involved in the phototransduction pathway of the retina. This lower selectivity is thought to be the basis for abnormalities related to color vision [see Clinical Pharmacology (12.2)].

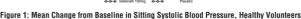
In addition to human corpus cavernosum smooth muscle, PDE5 is also found in other tissues including platelets, vascula and visceral smooth muscle, and skeletal muscle, brain, heart, liver, kidney, lung, pancreas, prostate, bladder, testis, and seminal vesicle. The inhibition of PDE5 in some of these tissues by sildenafil may be the basis for the enhanced platelet antiaggregatory activity of NO observed in vitro, an inhibition of platelet thrombus formation in vivo and peripheral rterial-venous dilatation in viv

12.2 Pharmacodynamics

Effects of Sildenafil citrate on Erectile Response: In eight double-blind, placebo-controlled crossover studies of patients with either organic or psychogenic erectile dysfunction, sexual stimulation resulted in improved erections, as assessed by an objective measurement of hardness and duration of erections (RigiScan®), after sildenafil citrate administration ared with placebo. Most studies assessed the efficacy of sildenafil citrate approximately 60 minutes post dose. Th e response, as assessed by RigiScan®, generally increased with increasing sildenafil dose and plasma concentratio The time course of effect was examined in one study, showing an effect for up to 4 hours but the response was diminishe compared to 2 hours

Effects of Sildenafil citrate on Blood Pressure: Single oral doses of sildenafil (100 mg) administered to healthy vo produced decreases in sitting blood pressure (mean maximum decrease in systolic/diastolic blood pressure of 8.3/5.3 mmHg). The decrease in sitting blood pressure was most notable approximately 1 to 2 hours after dosing, and was no different than placebo at 8 hours. Similar effects on blood pressure were noted with 25 m, 50 mg and 100 mg of Sidenafil citrate, therefore the effects are not related to dose or plasma levels within this dosage range. Larger effects were recorded among patients receiving concomitant nitrates [see Contraindications (4.1)].





additional reduction on supine blood pressure was 8 mmHg systolic and 7 mmHg diastolic [see Warnings and Precautions (5.5), Clinical Pharmacology (12.2)]. Effects of Sildenafil citrate on Blood Pressure When Nitroglycerin is Subsequently Administered: Based on the pharmacokinetic profile of a single 100 mg oral dose given to healthy normal volunteers, the plasma levels of sildenafil at 4 hours post dose are approximately 2 ng/mL (compared to peak plasma levels of approximately 440 ng/mL). In the syncope reported in this study. pwing patients: age >65 years, hepatic impairment (e.g., cirrhosis), severe renal impairment (e.g., creatinine clearance Effect of Sildenafil citrate on Blood Pressure When Co-administered with Anti-hypertensives: When sildenafil citrate increase in AUC). It is therefore recommended not to exceed a maximum single dose of 25 mg of sildenafii citrate in a 48 hours period [see Dosage and Administration (2.4), Warnings and Precautions (5.6), Clinical Pharmacology (12.3)]. sildenafil at 24 hours post dose are much lower than at peak concentration, it is unknown whether nitrates can be safely co-administered at this time point [see Contraindications (4,1)].

n sildenafil Crew and AUC, respectively. Stronger CYP3A4 inhibitors such as ketoconazole or itraconazole could be expected to have greater effects than seen with saquinavir. A starting does of 25 mg of sildenafil citrate should be considered in patients taking erythromycin or strong CYP3A4 inhibitors (such as saquinavir, ketoconazole, itraconazole) with doxazosin, an alpha-adrenergic blocking agent. ver studies were conducted to assess the interaction of Sildenafil citrate Study 1: Sildenafil citrate with Doxazosir

In the first study, a single oral dose of Sildenafil citrate 100 mg or matching placebo was administered in a 2-period citrate was shown to potentiate the hypotensive effects of nitrates, and its administration to patients who are using nitrate in any form either regularly and/or intermittently is therefore of alcohol in healthy volunteers [see Clinical] trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of another drug and may not reflect the rates observed in the clinical trials of anot Following a review of the data from these first 4 subjects (details provided below), the sildenafil citrate dose was reduced docation of the data from the data from the start subjects (location promote borry), interaction in characteristic docs that reduce a to 25 mg. Thereafter, 17 subjects were treated with Sidenafii (triate 25 mg or matching placebo in combination with doxazosin 4 mg (15 subjects) or doxazosin 8 mg (2 subjects). The mean subject age was 66.5 years.

For the 17 subjects who received sildenafil citrate 25 mg and matching placebo, the placebo-subtracted mean maximum lecreases from baseline (95% CI) in systolic blood pressure were as follows: Placebo-subtracted mean maximum decrease in systolic blood pressure (mm Hg) Sildenafil citrate 25 mg 6.0 (-0.8, 12.8)

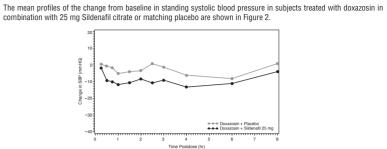


Figure 2: Mean Standing Systolic Blood Pressure Change from Baseline

Blood pressure was measured immediately pre-dose and at 15, 30, 45 minutes, and 1, 1.5, 2, 2.5, 3, 4, 6 and 8 hours afte sildenafil citrate or matching placebo. Outliers were defined as subjects with a standing systolic blood pressure of <85 mHg or a decrease from baseline in standing systolic blood baseline of s30 mmHg at one or more timepoints. There were no subjects treated with sildenafil citrate 25 mg who had a standing SBP < 85mmHg. There were three subjects with a decrease from baseline in standing systolic BP >30mmHg following sildenafil citrate 25 mg, one subject with a decrease from baseline in standing systolic BP > 30 mmHg following placebo and two subjects with a decrease from baseline in standing systolic BP > 30 mmHg following backbo and two subjects with a decrease from baseline in standing systolic BP > 30 mmHg following both sildenafil citrate and placebo. No severe adverse events potentially related to blood pressure effects were reported in this group.

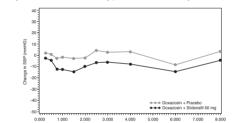
Of the four subjects who received sildenafil citrate 100 mg in the first part of this study, a severe adverse event related to blood pressure effect was reported in one patient (postural hypotension that began 35 minutes after dosing with sidenaftil citrate with symptoms lasting for 8 hours), and mild adverse events potentially related to blood pressure effects were reported in two others (dizziness, headache and fatigue at 1 hour after dosing; and dizziness, lightheadedness and nausea at 4 hours after dosing). There were no reports of syncope among these patients. For these four subjects, the placebo-subtracted mean maximum decreases from baseline in supine and standing systolic blood pressures were 14.8 mmHg and 21.5 mmHg, respectively. Two of these subjects had a standing SBP < 85mmHg. Both of these subjects were col violators, one due to a low baseline standing SBP, and the other due to baseline ortho Study 2: Sildenafil citrate with Doxazosin

In the second study, a single oral dose of sildenafil citrate 50 mg or matching placebo was administered in a 2-period crossover design to 20 generally healthy males with BPH. Following at least 14 consecutive days of doxazosin, sildenafil circles 50 and compared by the second s

wenty subjects received sildenafil citrate 50 mg, but only 19 subjects received matching placebo. One patient discontinued the study prematurely due to an adverse event of hypotension following dosing with sildenafil citrate 50 mg. This patient had been taking minoxidil, a potent vasodilator, during the study.

For the 19 subjects who received both sildenafil citrate and matching placebo, the placebo-subtracted mean maximum decreases from baseline (95% CI) in systolic blood pressure were as follows: Placebo-subtracted mean maximum decrease

n systolic blood pressure (mm Hg)	Sildenafil citrate 50 mg (95% CI)
Supine	9.08 (5.48, 12.68)
Standing	11.62 (7.34, 15.90)
mean profiles of the change from baseline in standing s	systolic blood pressure in subjects treated with doxazosin in



combination with 50 mg sildenafil citrate or matching placebo are shown in Figure 3.

Figure 3: Mean Standing Systolic Blood Pressure Change from Baseline

Blood pressure was measured after administration of sildenafil citrate at the same times as those specified for the first docazosin study. There were two subjects who had a standing SBP of < 85 mmR. In these two subjects, hypotension was reported as a moderately severe adverse event, beginning at approximately 1 hour after administration of sildenafil cirrate 50 mg and resolving after approximately 7.5 hours. There was one subject with a decrease from baseline in standing systolic BP-30mmHg following sildenafil cirtate 50 mg and one subject with a decrease from baseline in standing systolic BP-30 mmHg following sildenafil cirtate 50 mg and placebo. There were no severe adverse events potentially related to blood pressure and no episodes of syncope reported in this study. Study 3: Sildenafil citrate with Doxazosin

In the third study, a single oral dose of sildenafil citrate 100 mg or matching placebo was administered in a 3-period ssover design to 20 generally healthy males with BPH. In dose period 1, subjects were administered open-labe toxazosin and a single dose of sildenafil citrate 50 mg simultaneously, after at least 14 consecutive days of doxazosin. If subject did not successfully complete this first dosing period, he was discontinued from the study. Subjects who had successfully completed the previous doxazosin interaction study (using sildenafil citrate 50 mg), including no significant hemodynamic adverse events, were allowed to skip dose period 1. Treatment with doxazosin continued for at least 7 days after dose period 1. Thereafter, sildenafil citrate 100 mg or matching placebo was administered sim doxazosin 4 mg (14 subjects) or doxazosin 8 mg (6 subjects) in standard crossover fashion. The mean subject age in this study was 66.4 years.

Twenty-five subjects were screened. Two were discontinued after study period 1: one failed to meet pre-dose screening qualifications and the other experienced symptomatic hypotension as a moderately severe adverse event 30 minutes after dosing with open-label sildenafil citrate 50 mg. Of the twenty subjects who were ultimately assigned to treatment, a total of 13 subjects successfully completed dose period 1, and seven had successfully completed the previous doxazosin study

For the 20 subjects who received sildenafil citrate 100 mg and matching placebo, the placebo-subtracted mean maximum decreases from baseline (95% CI) in systolic blood pressure were as follows

on 'he	in systolic blood pressure (mm Hg)	Sildenafil citrate 100 mg
on.	Supine	7.9 (4.6, 11.1)
ed	Standing	4.3 (-1.8, 10.3)

The mean profiles of the change from baseline in standing systolic blood pressure in subjects treated with doxazosin in combination with 100 mg sildenafil citrate or matching placebo are shown in Figure 4.

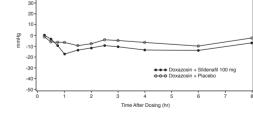


Figure 4: Mean Standing Systolic Blood Pressure Change from Baseline

Blood pressure was measured after administration of sildenafil citrate at the same times as those specified for the previous in studies. There were three subjects who had a standing SBP of < 85 mmHg. All three were taking sildenafil citrate 100 mg, and all three reported mild adverse events at the time of reductions in standing SBP, including vasodilation and lightheadedness. There were four subjects with a decrease from baseline in standing systolic BP > 30 mmHg following sildenafil citrate 100 mg, one subject with a decrease from baseline in standing systolic BP > 30 mmHg following placebo and one subject with a decrease from baseline in standing systolic BP > 30 mmHg following both sildenafil citrate and Sildenafil citrate on Blood Pressure When Nitroglycerin is Subsequently Administered: Based on the inetic profile of a single 100 mg oral dose given to healthy normal volunteers, the plasma levels of sildenafil at the subject reported in this subject reported moderate vasodilatation after both sildenafil citrate 50 mg and 100 mg. There were no episodes of

> 100 mg oral was co-administered with amlodipine, 5 mg or 10 mg oral, to hypertensive patients, the mean additional reduction on supine blood pressure was 8 mmHq systolic and 7 mmHq diastolic

> Effect of Sildenafil citrate on Blood Pressure When Co-administered with Alcohol: Sildenafil citrate (50 mg) did not e the hypotensive effect of alcohol (0.5 g/kg) in healthy volunteers with mean maximum blood alcohol levels of 0.08%. The maximum observed decrease in systolic blood pressure was -18.5 mmHg when sildenafil was co-administered with alcohol versus -17.4 mmHg when alcohol was administered alone. The maximum observed decrease in diastolic blood pressure was -17.2 mmHg when sildenafil was co-administered with alcohol versus -11.1 mmHq when alcohol was administered alone. There were no reports of postural dizziness or orthostatic hypotension. The um recommended dose of 100 mg sildenafil was not evaluated in this study [see Drug Interactions (7.5)]. relevant changes in the ECGs of normal male volunteers.

> Studies have produced relevant data on the effects of sildenafil citrate on cardiac output. In one small, open-label, uncontrolled, pilot study, eight patients with stable ischemic heart disease underwent Swan-Ganz catheterization. A total dose of 40 mg sildenafil was administered by four intravenous infusions.

> The results from this pilot study are shown in Table 3; the mean resting systolic and diastolic blood pressures decreased by 7% and 10% compared to baseline in these patients. Mean resting values for right atrial pressure, pulmonary artery pressure, pulmonary artery occluded pressure and cardiac output decreased by 28%, 28%, 20% and 7% respe Even though this total dosage produced plasma sildenafil concentrations which were approximately 2 to 5 times higher than the mean maximum plasma concentrations following a single oral dose of 100 mg in healthy male volunteers, the hemodynamic response to exercise was preserved in these patients.

using sildenafil citrate 50 mg).

Sildenafil citrate, USP is a white to off-white crystalline powder with a solubility of 3.5 mg/mL in water and a molecular

PRODUCT ITEM / PA DESIGN S CODE DIMENSIC ART WOR DATE

After 4 minutes of exercise Means ± SD Baseline (B2) n Sildenafil (D1) n Baseline n Sildenafi

PAOP (mmHg)	8	8.1 ± 5.1	8	6.5 ± 4.3	8	36.0 ± 13.7	8	27.8 ± 15.3
Mean PAP (mmHg)	8	16.7 ± 4	8	12.1 ± 3.9	8	39.4 ± 12.9	8	31.7 ± 13.2
Mean RAP (mmHg)	7	5.7 ± 3.7	8	4.1 ± 3.7	-	-	-	-
Systolic SAP (mmHg)	8	150.4 ± 12.4	8	140.6 ± 16.5	8	199.5 ± 37.4	8	187.8 ± 30.0
Diastolic SAP (mmHg)	8	73.6 ± 7.8	8	65.9 ± 10	8	84.6 ± 9.7	8	79.5 ± 9.4
Cardiac output (L/min)	8	5.6 ± 0.9	8	5.2 ± 1.1	8	11.5 ± 2.4	8	10.2 ± 3.5
Heart rate (bpm)	8	67 ± 11.1	8	66.9 ± 12	8	101.9 ± 11.6	8	99.0 ± 20.4
In a double-blind study, 144 patients with erectile dysfunction and chronic stable angina limited by exercise, not receiving								

testing. The primary endpoint was time to limiting angina in the evaluable cohort. The mean times (adjusted for baseline) to onset of limiting angina were 423.6 and 403.7 seconds for sildenafil (N=70) and placebo, respectively. These results demonstrated that the effect of sildenafil cirtate on the primary endpoint was statistically non-inferior to placebo.

plasma levels. This finding is consistent with the inhibition of PDE6, which is involved in phototransduction in the retina. Subjects in the study reported this finding as difficulties in discriminating blue/green. An evaluation of visual function at the retina. doses up to twice the maximum recommended dose revealed no effects of sildenafil citrate on visual acuity, intraocular The effectiveness of sildenafil citrate was evaluated in most studies using several assessment instruments. The primary pressure, or pupillometry

doses of sildenafil citrate in healthy volunteers. 12.3 Pharmacokinetics

63%). The pharmacokinetics of sildenafil are dose-proportional over the recommended dose range. It is eliminated (2) a few times, (3) sometimes, (4) most times, and (5) almost always or always. Also collected as part of the IIEF was by a predominantly by hepatic metabolism (main) CVP3A4) and is converted to an active metabolite with properties similar to the parent, sildenafil. Both sildenafil and the metabolite have terminal half lives of about 4 hours. Mean sildenafil plasma concentrations measured after the administration of a single oral dose of 100 mg to healthy male In addition, patients were asked a global efficacy question and an optional partner questionnaire was administered. volunteers is depicted below:

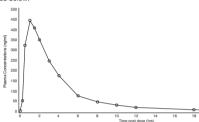


Figure 5: Mean Sildenafil Plasma Concentrations in Healthy Male Volunteers.

Absorption and Distribution: Sildenafil citrate is rapidly absorbed. Maximum observed plasma concentrations are reached within 30 to 120 minutes (median 60 minutes) of oral dosing in the fasted state. When sildenafil citrate is taken with a high The mean steady state volume of distribution (Vss) for sidenafil is 105 L, indicating distribution into the tissues. Sidenafil and its major circulating N-desmethyl metabolite are both approximately 96% bound to plasma proteins. Protein binding is independent of total drug concentrations.

Based upon measurements of sildenafil in semen of healthy volunteers 90 minutes after dosing, less than 0.001% of the administered dose may appear in the semen of patients.

Metabolism and Excretion: Sildenafil is cleared predominantly by the CYP3A4 (major route) and CYP2C9 (minor route) hepatic microsomal isoenzymes. The major circulating metabolite results from N-desmethylation of sildenafil, and is itself further metabolized. This metabolite has a PDE selectivity profile similar to sildenafil and an *in vitro* potency for PDE5 approximately 50% of the parent drug. Plasma concentrations of this metabolite are approximately 40% of those seen for sildenafil, so that the metabolite accounts for about 20% of sildenafil's pharmacologic effects.

After either oral or intravenous administration, sildenafil is excreted as metabolites predominantly in the feces (approximately 80% of administered oral dose) and to a lesser extent in the unine (approximately 13% of the administered oral dose). Similar values for pharmacokinetic parameters were seen in normal volunteers and in the patient population, using a population pharmacokinetic approach.

Pharmacokinetics in Special Populations

Geriatrics: Healthy elderly volunteers (65 years or over) had a reduced clearance of sildenafil, resulting in approximately

severe (CLcr -30 mL/min) renal impairment, sidenafii clearance was reduced, resulting in approximately doubling of AU and C_{max} compared to age-matched volunteers with no renal impairment [*see Dosage and Administration (2.5), and Use in* Specific Populations (8.6)].

In addition, N-desmethyl metabolite AUC and $C_{\mbox{\tiny max}}$ values significantly increased by 200% and 79%, respectively in subjects with severe renal impairment compared to subjects with normal renal function.

Hepatic Impairment: In volunteers with hepatic impairment (Child-Pugh Class A and B), sildenafil clearance was reduced resulting in increases in AUD (85%) and $G_{max}(47\%)$ compared to age-matched volunteers with no hepatic impairment. The pharmacokinetics of sildenafil in patients with severely impaired hepatic function (Child-Pugh Class C) have not been studied [see Dosage and Administration (2.5), and Use in Specific Populations (8.7)] Therefore, age >65, hepatic impairment and severe renal impairment are associated with increased plasma levels of

sildenafil. A starting oral dose of 25 mg should be considered in those patients [see Dosage and Administration (2.5)] Drug Interaction Studies

Effects of Other Drugs on Sildenafil citrate

Sildenafil metabolism is principally mediated by CYP3A4 (major route) and CYP2C9 (minor route). Therefore, inhibitors of these isoenzymes may reduce sildenafil clearance and inducers of these isoenzymes may increase sildenafil clearance. The concomitant use of erythromycin or strong CYP3A4 inhibitors (e.g., saquinavir, ketoconazole, itraconazole) as well as the incomitant use of environment of strong of road minimum (e.g., sayuman, recommended in the subjects in these studies reported and the subjects in these studies reported to the subjects in these studies reported to the subject in the subject in these studies reported to the subject in the subject is the subject in the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject is the subject in t Administration (2.4)].

co-administered with sildenafil citrate (50 mg) to healthy volunteers

When a single 100 mg dose of sildenafil citrate was administered with erythromycin, a moderate CYP3A4 inhibitor, at success rates averaged 1.3 on 50 to 100 mg of sildenafil citrate vs 0.4 on placebo; similarly, group mean success rates steady state (500 mg bid for 5 days), there was a 160% increase in sildenafil C_{max} and a 182% increase in sildenafil AUC. (total successes divided by total attempts) were about 66% on sildenafil citrate vs about 20% on placebo. tha addition, in a study performed in healthy male volunteers, co-administration of the HIV protease inhibitor saquinavir, also a CVP3A4 inhibitor, at steady state (1200 mg tid) with sildenafil citrate (100 mg single dose) resulted in a 140% increase in sildenafil C_{max} and a 210% increase in sildenafil Citrate had no effect on saquinavir, pharmacokinetics. A stronger CVP3A4 inhibitor such as ketoconazole or litraconazole could be expected to have greater effect than that seen with saquinavir. Population pharmacokinetic data from patients in clinical trials also indicated a Men with untreated ED had relatively low baseline scores for all aspects of sexual function measured (again using a 5-point Sexual activity can put an extra strain on your heart, especially if y

In another study in healthy male volunteers, co-administration with the HIV protease inhibitor ritonavir, which is a highly overall relationship satisfaction.

expected to increase sildenafil levels In a study of healthy male volunteers, co-administration of sildenafil at steady state (80 mg t.i.d.) with endothelin receptor

CYP3A4 inducers, such as rifampin, is expected to cause greater decreases in plasma levels of sildenafil. Single doses of antacid (magnesium hydroxide/aluminum hydroxide) did not affect the bioavailability of sildenafil citrate.

on the systemic exposure of sildenafil or its major circulating metabolite. Pharmacokinetic data from patients in clinical trials showed no effect on sildenafil pharmacokinetics of CYP2C9 inhibitors

(such as tolbutamide, warfarin), CVP2D6 inhibitors (such as selective serotonin reuptake inhibitors, tricyclic antidepressants), thiazide and related diuretics, ACE inhibitors, and calcium channel blockers. The AUC of the active Subgroup analyses of responses to a global improvement question in patients with psychogenic etiology in two fixed-dose beta-blockers. These effects on the metabolite are not expected to be of clinical consequence

Effects of Sildenafil citrate on Other Drugs

In vitro studies: Sildenafil is a weak inhibitor of the CYP isoforms 1A2, 2C9, 2C19, 2D6, 2E1 and 3A4 (IC50 >150 µM). Given sildenafil peak plasma concentrations of approximately 1 µM after recommended doses, it is unlikely that sildenafil citrate will alter the clearance of substrates of these isoenzyme

In vivo studies:

CYP2C9. In a study of healthy male volunteers, sildenafil (100 mg) did not affect the steady state pharmacokinetics of the HIV 16 HOW SUPPLIED/STORAGE AND HANDLING protease inhibitors, saquinavir and ritonavir, both of which are CYP3A4 substrates.

Sildenafil citrate (50 mg) did not potentiate the increase in bleeding time caused by aspirin (150 mg). Sildenafil at steady state, at a dose not approved for the treatment of erectile dysfunction (80 mg t.i.d.) resulted in a 50% increase in AUC and a 42% increase in C_{max} of bosentan (125 mg b.i.d.).

13 NONCLINICAL TOXICOLOGY 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis

Table 3. Hemodynamic Data in Patients with Stable Ischemic Heart Disease after Intravenous Administration of 40 mg Sildenafil was not carcinogenic when administered to rats for 24 months at a dose resulting in total systemic drug exposure (AUCs) for unbound sildenafil and its major metabolite of 20- and 38- times, for male and female rats, respectively, the exposures observed in human males given the Maximum Recommended Human Dose (MRHD) of 100 Tolerated Dose (MTD) of 10 mg/kg/day, approximately 0.4 times the MRHD on a mg/m² basis in a 50 kg subject.

> Mutagenesis Sildenafil was negative in in vitro bacterial and Chinese hamster ovary cell assays to detect mutagenicity, and in vitro

human lymphocytes and in vivo mouse micronucleus assays to detect clastog Impairment of Fertility

here was no impairment of fertility in rats given sildenafil up to 60 mg/kg/day for 36 days to females and 102 days to males, a dose producing an AUC value of more than 25 times the human male AUC.

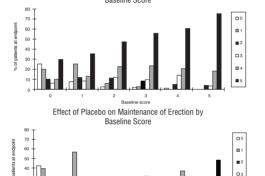
14 CLINICAL STUDIES

In a double-blind study, 144 patients with erectile dystructure and the transfer of placebo or sildenafil citrate 100 mg 1 hour prior to exercise testing. The primary endpoint was time to limiting angina in the evaluable cohort. The mean times (adjusted for baseline) to onset of limiting angina were 423.6 and 403.7 seconds for sildenafil (N=70) and placebo, respectively. These results parallel, crossover). Sildenafii citrate was administered to more than 3,000 patients aged 19 to 87 years, with ED of various Advise the patient to read the FDA-approved patient labeling (Patient Information). Effects of Sildenafil citrate on Vision: At single oral doses of 100 mg and 200 mg, transient dose-related impairment of etiologies (organic, psychogenic, mixed) with a mean duration of 5 years. Sildenafil citrate demonstrated statistically etiologies (organic, psychogenic, mixed) with a mean duration of 5 years. Sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of 5 years. Sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of 5 years. Sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of 5 years. Sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of 5 years. Sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of 5 years. Sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of 5 years. Sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of 5 years. Sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of 5 years. Sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of 5 years. Sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a mean duration of sildenafil citrate statistically etiologies (organic, psychogenic, mixed) with a m

measure in the principal studies was a sexual function questionnaire (the International Index of Erectile Function - IIEF) Effects of Sildenafil citrate on Sperm: There was no effect on sperm motility or morphology after single 100 mg oral administered during a 4-week treatment-free run-in period, at baseline, at follow-up visits, and at the end of double-blind, placebo-controlled, at-home treatment. Two of the questions from the IIEF served as primary study endpoints; categorical responses were elicited to questions about (1) the ability to achieve erections sufficient for sexual intercourse and (2) the aintenance of erections after penetration. The patient addressed both questions at the final visit for the last 4 weeks of the Sildenafil citrate is rapidly absorbed after oral administration, with a mean absolute bioavailability of 41% (range 25 to information about other aspects of sexual function, including information on erectile function, orgasm, desire, satisfaction with intercourse and overall sexual satisfaction. Sexual function data were also recorded by patients in a daily diary

Efficacy Results from Controlled Clinical Studies The effect on one of the major end points, maintenance of erections after penetration, is shown in Figure 6, for the pooled results of 5 fixed-dose, dose-response studies of greater than one month duration, showing response according to baseline function. Results with all doses have been pooled, but scores showed greater improvement at the 50 and 100 mg doses than at 25 mg. The pattern of responses was similar for the other principal question, the ability to achieve an erection sufficient for intercourse. The titration studies, in which most patients received 100 mg, showed similar results. Figure 6 shows that regardless of the baseline levels of function, subsequent function in patients treated with sildenafil citrate was better than that seen in patients treated with placebo. At the same time, on-treatment function was better in treated patients who were less impaired at baseline.

> Effect of Sildenafil citrate on Maintenance of Erection by Baseline Score



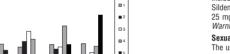
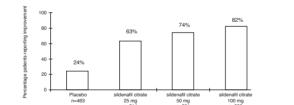


Figure 6. Effect of Sildenafil Citrate and Placebo on Maintenance of Erection by Baseline Score 4% and 107% higher plasma AUC values of sildenafil and its active N-desmethyl metabolite, respectively, compared to those seen in healthy younger volunteers (18 to 45 years). Due to age-differences in plasma protein binding, the corresponding increase in the AUC of free (unbound) sildenafil and its active N-desmethyl metabolite were 45% and 57%, respectively [see Dosage and Administration (2.5), and Use in Specific Populations (8.5)] Renal Impairment: In volunteers with mild (CLcr=50 to 80 mL/min) and moderate (CLcr=30 to 49 mL/min) renal



Overall treatment p<0.0001 Figure 7. Percentage of Patients Reporting an Improvement in Erections

ourse at least once during a 4-week treatment-free run-in period Cimetidine (800 mg), a nonspecific CYP inhibitor, caused a 56% increase in plasma sildenafil concentrations when involving about 1600 esticate caubicate distribution designs, daily diaries were kept by patients. In these studies, of both fixed dose and titration designs, daily diaries were kept by patients. In these studies, of both fixed dose and titration designs, daily diaries were kept by patients. In these studies, of both fixed dose and titration designs, daily diaries were kept by patients. involving about 1600 patients, analyses of patient diaries showed no effect of sidenafil citrate on rates of attempted intercourse (about 2 per week), but there was clear treatment-related improvement in sexual function: per patient weekly under the average of the average of

reduction in sidenafii (carate impactions) (2.4) and Drug Interactions (7.4)]. is already weak from a heart attack or heart disease. Ask your

increase in sildenafil G_{max} and a 1000 mg/L_m increase in sildenafil plasma AUC. At 24 hours the plasma levels of sildenafil vers still approximately 200 ng/mL, compared to approximately 5 ng/mL when sildenafil was dosed alone. This is consistent with ritonavir's marked effects on a broad range of P450 substrates. Sildenafil citrate had no effect on tribnavir hours can be plasma at the operation of the study. There were highly statistically significant improvements on the two principal IIEF ritonavir pharmacokinetics [see Dosage and Administration (2.4) and Drug Interactions (7.4)]. Although the interaction between other protease inhibitors and sildenafil has not been studied, their concomitant use is improved erections versus 10% on placebo. Diary data indicated that on sildenafil citrate, 48% of intercourse attempts Sildenafil tablets is a prescription medicine used to treat

antagonist bosentan (a moderate inducer of CYP3A4, CPP2CI 9) at steady state (125 ling 0.1.0.) of the other strong of the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two dysfunction resulting from spinal cord injury (n end point questions (frequency of successful penetration during sexual activity and maintenance of erections after Single doses of antacid (magnesium hydroxide/aluminum hydroxide) did not affect the bioavailability of sildenafii citrate. In healthy male volunteers, there was no evidence of a clinically significant effect of azithromycin (500 mg daily for 3 days) in the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite on the systemic exposure of sildenafii or its major circulation metabolite or exposure of sildenafii or its major circulation metabolite or exposure of sildenafii or its major circulation metabolite or exposure of sildenafii or its major circulation metabolite or exposure of sildenafii or its major circulation metabolite or exposure of sildenafii or its major circulation metabolite or exposure of sildenafii or its major circulation metabolite or exposure of sildenafii or its major circulation metabolite or exposure

Across all trials, sildenafil citrate improved the erections of 43% of radical prostatectomy patients compared to 15% on

metabolite, N-desmethyl sideratil, was increased 62% by loop and potassium-regarding diuretics and 102% by nonspecific metabolite, N-desmethyl sideratil, was increased 62% by loop and potassium-regarding diuretics and 102% by nonspecific studies (total n=179) and two titration studies (total n=149) showed 84% of sildenafil citrate patients reported improvement in erections compared with 26% of placebo. The changes from baseline in scoring on the two end point Who should not take sildenafil tablet? unprovenient in erections compared with 20% or placed. The Granges non ascence in scoring on the two one point questions (frequency of successful penetration during sexual activity and maintenance of erections after penetration) were highly statistically significantly in favor of sildenafil citrate. Diary data in two of the studies (n=178) showed rates of **Do not take sildenafil tablets if you:** successful intercourse per attempt of 70% for sildenafil citrate and 29% for placebo.

A review of population subgroups demonstrated efficacy regardless of baseline severity, etiology, race and age. Sildenafil citrate was effective in a broad range of ED patients, including those with a history of coronary artery disease, *In vivo* studies: No significant interactions were shown with tolbutamide (250 mg) or warfarin (40 mg), both of which are metabolized by cyperco taking antidepressants/antipsychotics and anti-hypertensives/diuretics.

Sildenafil 25 mg tablets USP are blue, round biconvex, film coated tablets, debossed with '86' on one side and plain on

other side.

g		are blue, round biconvex, film coated tablets,	debossed with '87'on one si
s,	other side.		
0		Bottles of 30 with child-resistant closure	NDC 13668-187-30
n		Bottles of 100	NDC 13668-187-01
		Bottles of 500	NDC 13668-187-05
		Bottles of 1000	NDC 13668-187-10
0		Bottles of 1800	NDC 13668-187-18
0	Sildenafil 100 mg tablets USP other side.	are blue, round biconvex, film coated tablets	debossed with '88' on one s
		Bottles of 30 with child-resistant closure	NDC 13668-188-30
0		Bottles of 100	NDC 13668-188-01
		Bottles of 500	NDC 13668-188-05
		Bottles of 1000	NDC 13668-188-10
е	Recommended Storage: Stor	e at 20°C to 25°C (68°F to 77°F); excursions	permitted between 15°C and
У	86°F) [see USP Controlled Ro	om Temperature].	

17 PATIENT COUNSELING INFORMATION

nitric oxide donors, such as organic nitrates or organic nitrites in any form [see Contraindications (4.1)]. Guanylate Cyclase (GC) Stimulators Physicians should discuss with patients the contraindication of sildenafil citrate with use of guanylate cyc

such as riociguat [see Contraindications (4.3)].

Concomitant Use with Drugs Which Lower Blood Pressure

Physicians should advise patients of the potential for sidenafil citrate to augment the blood pressure lo alpha-blockers and anti-hypertensive medications. Concomitant administration of sildenafil citrate and a may lead to symptomatic hypotension in some patients. Therefore, when sildenafil citrate is co-ad alpha-blockers, patients should be stable on alpha-blocker therapy prior to initiating sildenafil citral sildenafil citrate should be initiated at the lowest dose [see Warnings and Precautions (5.5)]. **Cardiovascular Considerations**

Physicians should discuss with patients the potential cardiac risk of sexual activity in patients cardiovascular risk factors. Patients who experience symptoms (e.g., angina pectoris, dizziness, nausea) u sexual activity should be advised to refrain from further activity and should discuss the episode with their Warnings and Precautions (5.1)]. Sudden Loss of Vision

Physicians should advise patients to stop use of all PDE5 inhibitors, including sildenafil citrate, and seek in the event of a sudden loss of vision in one or both eyes. Such an event may be a sign of non-arteritic optic neuropathy (NAION), a cause of decreased vision including possible permanent loss of vision, that h rarely post-marketing in temporal association with the use of all PDE5 inhibitors. Physicians should disc the increased risk of NAION in individuals who have already experienced NAION in one eye. Physicians should with patients the increased risk of NAION among the general population in patients with a "crowded" op with patients the interface of the original of the general population in patients with a crowder op-evidence is insufficient to support screening of prospective users of PDE5 inhibitor, including sildena uncommon condition [see Warnings and Precautions (5.3) and Adverse Reactions (6.2)].

Sudden Hearing Loss Physicians should advise patients to stop taking PDE5 inhibitors, including sildenafil citrate, and seek ditention in the event of sudden decrease or loss of hearing. These events, which may be accompanie dizziness, have been reported in temporal association to the intake of PDE5 inhibitors, including sildena possible to determine whether these events are related directly to the use of PDE5 inhibitors or to ot Warnings and Precautions (5.4) and Adverse Reactions (6.2)].

Priapism hysicians should warn patients that prolonged erections greater than 4 hours and priapism (painful erecti 6 hours in duration) have been reported infrequently since market approval of sildenafil citrate. In the even that persists longer than 4 hours, the patient should seek immediate mediate mediata assistance. If priapits immediately, penile tissue damage and permanent loss of potency may result [see Warnings and Precau Avoid Use with other PDE5 Inhibitors

Physicians should inform patients not to take sildenafil tablets, 25 mg, 50 mg and 100 mg with other Sildenafii tablets, 20 mg or other pulmonary arteria hypertension (PAH) treatments cont Sildenafii tablets, 20 mg or other pulmonary arteria hypertension (PAH) treatments cont Sildenafii is also marketed as sildenafii tablets, 20 mg for the treatment of PAH. The safety and efficacy of 25 mg, 50 mg and 100 mg with other PDE5 inhibitors, including sildenafil tablets, 20 mg, have not b Sexually Transmitted Disease

The use of sildenafil citrate offers no protection against sexually transmitted diseases. Counseling of pa protective measures necessary to guard against sexually transmitted diseases, including the Human In Virus (HIV), may be considered [see Warnings and Precautions (5.9)].

PATIENT INFORMATION

Sildenafil (sil DEN a fil) Citrate Tablets USP

Sildenafil tablets can cause your blood pressure to drop sudd unsafe level if it is taken with certain other medicines. Do sildenafil tablets if you take any other medicines called "nitrates. are used to treat chest pain (angina). A sudden drop in blood can cause you to feel dizzy, faint, or have a heart attack or strok Do not take sildenafil tablets if you take medicines called cyclase stimulators which include:

 Riociguat (Adempas[®]) a medicine that treats pulmonar hypertension and chronic-thromboembolic pulmonary hyperter Tell all your healthcare providers that you take Sildenafil tabl

vour healthcare provider to know when you last took Sildenafil Stop sexual activity and get medical help right away if you get s

your heart is healthy enough to handle the extra strain of having

Sildenafil tablets is not for use in women or children.

It is not known if Sildenafil tablets is safe and effective in children under 18 years of age.

- take medicines called nitrates (such as nitroglycerin) use street drugs called "poppers" such as amyl nitrate
 - nitrite, and butyl nitrate
 - take any medicines called guanylate cyclase stimulators riociguat (Adempas)
 - · are allergic to sildenafil, as contained in Sildenafi 25 mg, 50 mg and 100 mg and Sildenafil tablets, 20 mg the ingredients in Sildenafil tablets. See the end leaflet for a complete list of ingredients in Sildenafil tablets.

Bottles of 30 with child-resistant closure	NDC 13668-186-30
Bottles of 100	NDC 13668-186-01
Bottles of 500	NDC 13668-186-05
Bottles of 1000	NDC 13668-186-10
Bottles of 4000	NDC 13668-186-40

potent P450 inhibitor, at steady state (500 mg bid) with sildenafil citrate (100 mg single dose) resulted in a 300% (4-fold) One randomized, double-blind, flexible-dose, placebo-controlled study included only patients with erectile dysfunction

were successful versus 12% on placebo. antagonist bosentan (a moderate inducer of CYP3A4, CYP2C9 and possibly of CYP2C19) at steady state (125 mg b.i.d.) One randomized, double-blind, placebo-controlled, crossover, flexible-dose (up to 100 mg) study of patients with erectile dysfunction (ED). You will not get an erection just by taking this i

NAME :	Sildenafil Tablets	COUNTRY : US	LOCATION :			Supersedes A/W No.:			
CK :	Outsert	NO. OF COLORS: 1	REMARK :						
TYLE :	Back Side	PANTONE SHADE NOS.:	SUBSTRATE : 40 g/m ² Bible Paper						
:	8098159		Activities	Department	Name		Signature	Date	
NS (MM) :	560 x 375		Prepared By	Pkg.Dev					
K SIZE :	S/S	Black	Reviewed By	Pkg.Dev					
:	07-12-2024	Font Size 6 pt_Medi 10 pt	Approved By	Quality					

Note: Pharma code/ Bar code and adjacent text must be visible on folded leaflet.

• an erection that will not go away (priapism). If you have an erection

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

side and plain on	What should I tell my healthcare provider before taking sildenafil tablets? Before you take Sildenafil tablets, tell your healthcare provider if you:	treated right away, priapism can permanently damage your penis. • sudden vision loss in one or both eyes. Sudden vision loss in one or	
side and plain on	 have or have had heart problems such as a heart attack, irregular heartbeat, angina, chest pain, narrowing of the aortic valve or heart failure have had heart surgery within the last 6 months 	both eyes can be a sign of a serious eye problem called non-arteritic anterior ischemic optic neuropathy (NAION). It is uncertain whether PDE5 inhibitors directly cause the vision loss. Stop taking sildenafil tablets and call your healthcare provider right away if you have sudden vision loss in one or both eyes.	
1 30°C (59°F and	 have pulmonary hypertension have had a stroke have low blood pressure, or high blood pressure that is not 	• sudden hearing decrease or hearing loss. Some people may also have ringing in their ears (tinnitus) or dizziness. If you have these symptoms,	
termittent use of	 controlled have a deformed penis shape 	stop taking sildenafil tablets and contact a doctor right away. The most common side effects of sildenafil tablets are:	
clase stimulators	 have had an erection that lasted for more than 4 hours have problems with your blood cells such as sickle cell anemia, 	 headache flushing unset stomash 	
owering effect of an alpha-blocker dministered with te treatment and	 multiple myeloma, or leukemia have retinitis pigmentosa, a rare genetic (runs in families) eye disease 	 upset stomach abnormal vision, such as changes in color vision (such as having a blue color tinge) and blurred vision 	
with preexisting upon initiation of eir physician [<i>see</i>	 have ever had severe vision loss, including an eye problem called non-arteritic anterior ischemic optic neuropathy (NAION) have bleeding problems 	stuffy or runny noseback painmuscle pain	
medical attention	 have or have had stomach ulcers have liver problems 	 nausea dizziness 	
anterior ischemic las been reported	have kidney problems or are having kidney dialysis	 rash In addition, heart attack, stroke, irregular heartbeats and death have 	
uss with patients ould also discuss tic disc, although il citrate, for this	 have any other medical conditions Tell your healthcare provider about all the medicines you take*, including prescription and over-the-counter medicines, vitamins, and herbal supplements. 	happened rarely in men taking sildenafil tablets. Most, but not all, of these men had heart problems before taking sildenafil tablets. It is not known if sildenafil tablets caused these problems.	
by tinnitus and d by tinnitus and il citrate. It is not ther factors [<i>see</i>	Sildenafil tablets may affect the way other medicines work, and other medicines may affect the way Sildenafil tablets works causing side	Tell your healthcare provider if you have any side effect that bothers you or does not go away.	
tions greater than	effects. Especially tell your healthcare provider if you take any of the following:	These are not all the possible side effects of sildenafil tablets. For more information, ask your healthcare provider or pharmacist.	
ent of an erection m is not treated <i>tions (5.2)</i>].	 medicines called nitrates (see "What is the most important information I should know about Sildenafil tablets?") 	Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.	
PDE5 inhibitors aining sildenafil.	medicines called guanylate cyclase stimulators, such as riociguat	How should I store sildenafil tablets?	
sildenafil tablets, een studied [<i>see</i>	 (Adempas) medicines called alpha blockers such as Hytrin (terazosin HCl), Flomax (tamsulosin HCl), Cardura (doxazosin mesylate), 	 Sildenafil Tablets comes in child-resistant package Store sildenafil tablets at 20°C to 25°C (68°F to 77°F); excursions permitted between 15°C and 30°C (59°F and 86°F) [see USP 	
atients about the nmunodeficiency	Minipress (prazosin HCI), Uroxatral (alfuzosin HCI), Jalyn (dutasteride and tamsulosin HCI), or Rapaflo (silodosin). Alpha-blockers are sometimes prescribed for prostate problems	Controlled Room Temperature]. Keep sildenafil tablets and all medicines out of the reach of children. General information about the safe and effective use of sildenafil	
	or high blood pressure. In some patients, the use of sildenafil tablets with alpha-blockers can lead to a drop in blood	tablets Medicines are sometimes prescribed for purposes other than those listed	
sildenafil	 pressure or to fainting. medicines called HIV protease inhibitors, such as ritonavir (Norvir), indinavir sulfate (Crixivan), saquinavir (Fortovase or 	in a Patient Information leaflet. Do not use sildenafil tablets for a condition for which it was not prescribed. Do not give sildenafil tablets to other people, even if they have the same symptoms that you have. It may	
enly to an o not take	 Invirase) or atazanavir sulfate (Reyataz) some types of oral antifungal medicines, such as ketoconazole 	harm them. This Patient Information leaflet summarizes the most important	
." Nitrates 1 pressure ke.	 (Nizoral), and itraconazole (Sporanox) some types of antibiotics, such as clarithromycin (Biaxin), telithromycin (Ketek), or erythromycin 	information about sildenafil tablets. If you would like more information, talk with your healthcare provider. You can ask your healthcare provider or pharmacist for information about sildenafil tablets that is written for	
guanylate	 other medicines that treat high blood pressure other medicines or treatments for ED 	health professionals. For more information, Call 1-800-912-9561.	
ry arterial	 Sildenafil tablets, 25 mg, 50 mg and 100 mg contains sildenafil, which is the same medicine found in another drug called 	What are the ingredients in sildenafil tablets?	
nsion. ets. If you	Sildenafil tablets, 20 mg. Sildenafil tablets, 20 mg is used to treat a rare disease called pulmonary arterial hypertension (PAH).	Active ingredients: sildenafil citrate, USP Inactive ingredients: croscarmellose sodium, dibasic calcium phosphate	
oortant for tablets.	Sildenafil tablets, 25 mg, 50 mg and 100 mg should not be used with Sildenafil tablets, 20 mg or with other PAH treatments	anhydrous, hypromellose, lake of indigo carmine, microcrystalline cellulose, sodium stearyl fumarate, titanium dioxide and triacetin.	
symptoms	containing sildenafil or any other PDE5 inhibitors (such as Adcirca [tadalafil]).	This product's label may have been updated. For current full prescribing information, please visit www.torrentpharma.com	
your heart r doctor if	Ask your healthcare provider or pharmacist for a list of these medicines, if you are not sure.	Trademarks are the property of their respective owners. This Patient Information has been approved by the U.S. Food and Drug	
) Sex.	Know the medicines you take. Keep a list of them to show to your	Administration	
m getting uses AIDS.	healthcare provider and pharmacist when you get a new medicine. How should I take sildenafil tablets?	Dispense with Patient Information available at: https://torrentpharma.com/pi/usa/products/	
at erectile	Take sildenafil tablets exactly as your healthcare provider talla your to take it	Torrent-	
medicine.	tells you to take it. • Your healthcare provider will tell you how much sildenafil		
d keep an	tablets to take and when to take it.Your healthcare provider may change your dose if needed.	Manufactured by: Torrent Pharmaceuticals LTD., India.	
Nomon or	 Take sildenafil tablets about 1 hour before sexual activity. You may take sildenafil tablets between 30 minutes to 4 	Manufactured for:	
women or	 hours before sexual activity if needed. Sildenafil tablets can be taken with or without food. If you take sildenafil tablets after a high fat meal (such as a cheeseburger and french fries), sildenafil tablets may take 	Torrent Pharma INC., Basking Ridge, NJ 07920. 8098159 Revised: December 2024	
te or amyl	 a little longer to start working. Do not take sildenafil tablets more than 1 time a day. 		
rs such as	• If you accidentally take too much sildenafil tablets, call your doctor or go to the nearest hospital emergency room right away.		
il tablets, g or any of d of this	What are the possible side effects of sildenafil tablets? Sildenafil tablets can cause serious side effects. Rarely reported side effects include:		