ARTWORK RECORD

ANTWONN NECOND			
Colour	Product	: Maxigra-100	Language : English
Ooloui	Generic Name	: Sildenafil Tablet	5 6 1.1.12
	Material	: Insert	Country : Singapore (Registration)
C:00 M:00 Y:00 K:100	Size Pack size	: 180 x 340 mm	Product Permission availibility:
		: 1 x 4 Tab	
	Date	21-12-2022	
	A/W Code	5290105-00	
	Revision No.	;	

Reason for Revision :

MAXIGRA 100 Sildenafil Tablet

1. NAME OF THE MEDICINAL PRODUCT MAXIGRA 100 mg film coated tablets.

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each film coated tablet conta Sildenafil Citrate Equivalent to Sildenafil Excipients Microcrystalline Cellulose Dibasic Calcium Phosphate

180 x 345 mm

Dibasic Calcium Phosphate
Povidone
Polysorbate 80
Purified water
Magnesium Stearate
Croscarmellose Sodium
Maize Starch
Colloidal Anhydrous Silica Hydrogenated Castor oil Film coat Brilliant Blue

Isopropyl Alcohol Methylene Chloride Excipients of Film Coat Brilliant Blue Hydroxypropyl Methyl Cellulose (HP Titanium Dioxide

Ethyl Cellulose Propylene Glycol Colour Brilliant Blue

3. PHARMACEUTICAL FORM
Blue coloured diamond shaped film coated tablet.
For oral administration.

4. CLINICAL PARTICULARS

4.1 Therapeutic indications
Sildenafil is indicated for the treatment of erectile dysfunction, which is the inability to achieve or maintain a penile erection sufficient for satisfactory sexual performance. In order for sildenafil to be effective, sexual stimulation is required.

4.2 Posology and method of administration Sildenafil tablets are for oral administration.

Please note that the tablet cannot be divided to obtain the 25 mg or 50 mg dose.

Vas in adults

For most patients, the recommended dose is 50 mg taken, as needed approximately 1 hour before sexual activity.

Based on effectiveness and toleration, the dose may be increased to a maximum recommended dose of 100 mg or decreased to 25 mg. The maximum recommended daily dose is 100 mg. The maximum recommended dosing frequency is once per day.

Use in patients with impaired renal function

Dosage adjustments are not required in patients with mild to moderate renal impairment (creatinine clearance = 30 - 80 mL/min).

Since sidenafic clearance is reduced in patients with severe renal impairment (creatinine clearance < 30 mL/min), a 25 mg dose should be considered.

Use in patients with impaired Hepatic function

Since sidenafic clearance is reduced in patients with hepatic impairment (e.g., cirrhosis), a 25 mg dose should be considered.

Use in patients using other medications

Given the extent of the interaction with patients receiving concomitant therapy with ritionavir (see section 4.5), co-administration with ritionavir is not advised. If ritionavir is co-administered with sildenafil, it is recommended not to exceed a maximum single dose of 25 mg sidenafil in at 84-hour period.

A starting dose of 25 mg should be considered in patients receiving concomitant threatment with the CYP3A4 inhibitors (e.g., erythromycin, saquinavir, ketoconazole, itraconazole). See section 4.5. In order to minimize the potential for developing postural hypotension, patients should be stable on alpha-blocker therapy prior to initiating sildenafil treatment. In addition, initiation of sildenafil at lower doses should be considered (see sections 4.4 and 4.5).

Use in children
Sidenaffi sont indicated for use in children (<18 years old).
Use in lederly men
Since sildenaffi clearance is reduced in elderly patients, a first dose of 25 mg should be considered.

4.3 Contraindications
Use of silidenafil is contraindicated in patients with a known hypersensitivity to any component of the tablet.
Sildenafil was shown to potentiate the hypotensive effects of acute and chronic nitrates, and its administration to patients who are concurrently using nitric oxide donors, organic nitrates or organic nitrites in any form either regularly or intermittently is therefore contraindicated (see section 4.5).
The co-administration of PDE5 inhibitors, including sildenafil, with guanylate cyclase stimulators, such as riociguat, is contraindicated as it may potentially lead to symptomatic hypotension.
The safety of sildenafil has not been studied in the following sub-groups of patients and its use is therefore contraindicated until further information is available: severe hepatic impairment, hypotension (blood pressure <90/50 mmHg), recent history of stroke or myocardial infarction and known hereditary degenerative retinal disorders such as retinitis pigmentosia (a minority of these patients have genetic disorders of retinal phosphodiesterases).
Sildenafil is contraindicated in men for whom sexual intercourse is inadvisable due to cardiovascular risk factors (e.g., patients with severe cardiovascular disease such as established cardiac failure and unstable angina

pectoris).
Slidenaffi is contraindicated in patients who have loss of vision in one eye because of non-arteritic anterior ischemic optic neuropathy (NAION), regardless of whether this episode was in connection or not with previous phosphodiesterase 5 (PDE5) inhibitor exposure.

4.4 Special warnings and precautions for use
A thorough medical history and physical examination should be undertaken to diagnose erectile dysfunction, determine potential underlying causes, and identify appropriate treatment.
There is a degree of cardiac risk associated with sexual activity; therefore, physicians may wish to consider the cardiovascular status of their patients prior to initiating any treatment for erectile dysfunction.
Agents for the treatment of erectile dysfunction should not be used in men for whom sexual activity and visable.
Serious cardiovascular events, including myocardial infarction, sudden cardiac death, ventricular arrhythmia, cerebrovascular hemorrhage and transient ischemic attack have been reported post-marketing in temporal association with the use of sildenafii for erectile dysfunction. Most, but not all, of these patients had pre-existing 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 sildenafii without sexual activity. Others were reported to have occurred hours to days after the use of sildenafii and sexual activity. It is not possible to determine whether these events are related directly to sildenafii, to sexual activity, to the patient's underlying cardiovascular disease, to a combination of these factors, or to other factors.

In clinical trials, sildenafii has been shown to have systemic vasodilatory properties that result in transient decreases in blood pressure (see section 5.1). This is of little or no consequence in most patients. However, prior to prescribing sildenafii has been shown to have systemic vasodilatory whether their patients with certain underlying conditions could be adversely affected by such vasodilatory effects, especially in combination with sexual activity.

prescribing sildenafil, physicians should carefully consider whether their patients with certain underlying conditions could be adversely affected by such vasodilatory effects, especially in combination with sexual activity. Patients with increased susceptibility to vasodilators include those with left ventricular outflow obstruction (e.g., aortic stenosis, hypertrophic obstructive cardiomyopathy), or those with the rare syndrome of multiple system

Patients with increased susceptibility to vascodilators include those with left ventricular outflow obstruction (e.g., aortic stenosis, hypertrophic obstructive cardiomyopathy), or those with the rare syndrome of multiple system atrophy manifesting as severely impaired autonomic control of blood pressure.

Non-arteritic anterior ischemic optic neuropathy (NAION), a rare condition and a cause of decreased vision or loss of vision, has been reported rarely post-marketing with the use of all PDE5 inhibitors, can classed with acute one of the NaION, a rare condition and a cause of decreased vision or loss of vision, has been reported rarely post-marketing with the use of all PDE5 inhibitors, can classed, hyperlipidemia and smoking. An observational study evaluated whether recent use of PDE5 inhibitors, as a classed with acute onset of NAION. The results suggest an approximate 2-fold increase in the risk of NAION returns as the suggest an approximate 2-fold increase in the risk of NAION proting that increased risk of NAION returns as the suggest and approximate 2-fold increase in the risk of NAION returns as the suggest and approximate 2-fold increase in the risk of NAION returns as the suggest and approximate 2-fold increased risk of NAION returns as the suggest and approximate 2-fold increased risk of NAION returns as the suggest and approximate 2-fold increased risk of NAION returns as the suggest and approximate 2-fold increased risk of NAION returns.

Prolonged erections greater than 4 hours and priapism (erections greater than 6 hours) have been reported infrequently since market approval of sildenafils. 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 and permanent loss of potency could result.

Caution is advised when sildenafils are patients taking an alpha-blocker, as the co-administration may lead to symptomatic hypotension in a few susceptible individuals (see section 4.5). In

therefore, sidenant should be administered with caution to these patients.

In vitro studies with human platelets indicate that sidenandil potentiates the antiaggregatory effect of sodium nitroprusside (a nitric oxide donor). There is no safety information on the administration of sidenafil to patients with bleeding disorders or active peptic ulceration, therefore sidenafil should be administered with caution to these patients.

Agents for the treatment of erectile dysfunction should be used with caution in patients with anatomical deformation of the penis (such as angulation, cavernosal fibrosis or Peyronie's disease), or in patients who have conditions which may predispose them to priapism (such as sickle cell anemia, multiple myeloma, or leukemia).

Sildenafil should be used with caution in patients with resting hypertension (BP>170/110), patients who have suffered life-threatening arrhythmia within the last 6 months and patients with history of cardiac failure or coronary artery disease. artery disease causing unstable angina.

The safety and efficacy of combinations of sildenafil with other PDE5 inhibitors, or other pulmonary arterial hypertension (PAH) treatments containing sildenafil (REVATIO), or other treatments for erectile dysfunction have not

been studied, and the use of such combinations is not recommended.

Sudden decrease or loss of hearing has been reported in a small number of post-marketing and clinical trials cases with the use of all PDE5 inhibitors, including sildenafil. Most of these patients had risk factors for sudden

taking sildenafil and consult a physician promptly

Sildenafil metabolism is principally mediated by the cytochrome P450 (CYP) isoforms 3A4 (major route) and 2C9 (minor route). Therefore, inhibitors of these isoenzymes may reduce sildenafil clearance and inducers of these isoenzymes may increase sildenafil clearance

In vivo studies:

Population pharmacokinetic analysis of clinical trial data indicated a reduction in sildenafil clearance when co-administered with CYP3A4 inhibitors (such as ketoconazole, erythromycin, cimetidine).

Cimetidine (800 mg), a cytochrome P450 inhibitor and a non-specific CYP3A4 inhibitor, caused a 56% increase in plasma sildenafil concentrations when co-administered with sildenafil (50 mg) to healthy volunteers.

When a single 100 mg dose of sildenafil was administered with erythromycin, a moderate CYP3A4 inhibitor, at steady-state (500 mg twice daily for 5 days), there was a 182% increase in sildenafil (50 mg) to healthy volunteers.

Addition, co-administration of the HIV protease inhibitor asquinavir, also a CYP3A4 inhibitor, at steady-state (1200 mg three times daily) with sildenafil (100 mg single dose) resulted in a 140% increase in sildenafil AUC. Sildenafil had no effect on saquinavir pharmacokinetics. See section 4.2. Stronger CYP3A4 inhibitors such as ketoconazole and tiraconazole would be expected to have greater effects.

Co-administration with the HIV protease inhibitor ritonavir, which is a highly potent P450 inhibitor, at steady-state (500 mg twice daily) with sildenafil (100 mg single dose) resulted in a 300% (4-fold) increase in sildenafil plasma AUC. At 24 hours, the plasma levels of sildenafil were still approximately 200 ng/mL, compared to approximately 5 ng/mL when sildenafil was dosed alone. This is consistent with intonavir smarked effects on a broad range of P450 substrates. Sildenafil had no effect on intonavir pharmacokinetics. See section 4.2.

Carapferuit juice being a weak inhibitor of CYP3A4 inhibitors was administered as recommended, the maximum free plasma sildenafil concentration did not exceed 200 nM for any individual and was consistently well tolerated. Single doses of sildenafil for subjects receiving potent CYP3A4 inhibitors was administered as recommended, the maximum free plasma sildenafil.

In a study of healthy male volunteers, co-administration of the endo

In a study of healthy male volunteers, co-administration of the endothelin antagonist, bosentan, (an inducer of CYP3A4 [moderate], CYP2C9 and possibly of CYP2C19), at steady-state (125 mg twice a day) with sildenafil at steady-state (80 mg three times a day) resulted in 62.6% and 55.4% decrease in sildenafil AUC and Cmax, respectively. Sildenafil increased bosentan AUC and Cmax by 49.8% and 42%, respectively. Concomitant

administration of strong CYP3A4 inducers, such as rifampin, is expected to cause greater decreases in plasma concentrations of sildenafil.

Pharmacokinetic data from patients in clinical trials showed no effect on sildenafil pharmacokinetics of CYP2C9 inhibitors (such as tolbutamide, warfarin), CYP2D6 inhibitors (such as selective serotonin reuptake inhibitors, tricyclic antidepressants), this azide and related diuretics, angiotensin converting enzyme (ACE) inhibitors, and calcium channel blockers.

In healthy male volunteers, there was no evidence of an effect of azithromycin (500 mg daily for 3 days) on the AUC, Cmax, Tmax, elimination rate constant, or subsequent half-life of sildenafil or its major circulating metabolite.

Effects of sildenafil on other medicinal products

In vitro studies:
Sildenafil is a weak inhibitor of the cytochrome P450 isoforms 1A2, 2C9, 2C19, 2D6, 2E1 and 3A4 (IC50>150µM).
Given sildenafil peak plasma concentrations of approximately 1 µM after recommended doses, it is unlikely that sildenafil will alter the clearance of substrates of these isoenzymes

n vivo studies:
Sildenafil was shown to potentiate the hypotensive effect of acute and chronic nitrates. Therefore, use of nitric oxide donors, organic nitrates, or organic nitrites in any form either regularly or intermittently with sildenafil is

contraindicated (see section 4.3).
In three specific drug-drug interaction studies, the alpha-blocker doxazosin (4 mg and 8 mg) and sildenafil (25 mg, 50 mg, or 100 mg) were administered simultaneously to patients with benign prostatic hyperplasia (BPH) stabilized on doxazosin therapy. In these study populations, mean additional reductions of supine blood pressure of 7/7 mmHg, 9/5 mmHg, and 8/4 mmHg, and mean additional reductions of standing blood pressure of 6/6 mmHg, 11/4 mmHg, and 4/5 mmHg, respectively, were observed. When sildenafil and doxazosin were administered simultaneously to patients stabilized on doxazosin therapy, there were infrequent reports of patients who experienced symptomatic postural hypotension. These reports included dizziness and lightheadenses, but not syncope. Concomilant administration of sildenafil to patients taking alpha-blocker therapy may lead to symptomatic hypotension in a few susceptible individuals. (see sections 4.2 and 4.4).
No significant interactions were shown when sildenafil (60 mg) was co-administered with tolbutamide (250 mg) or warfarin (40 mg), both of which are metabolised by CYP2C9.
Sildenafil (100 mg) did not affect the steady-state pharmacokinetics of the HIV protease inhibitors, saquinavir and ritonavir, both of which are CYP3A4 substrates.
Sildenafil (50 mg) did not potentiate the increase in bleeding time caused by aspirin (150 mg).
Sildenafil (50 mg) did not potentiate the increase in bleeding time caused by aspirin (150 mg).
Sildenafil (50 mg) did not potentiate the hypotensive effects of alcohol in healthy volunteers with mean maximum blood alcohol levels of 0.08% (80 mg/dL).
No interaction was seen when sildenafil (100 mg) was co-administered this manufaction in hypertensive patients. The mean additional reduction on supine blood pressure was 8 mmHg systolic and 7 mmHg diastolic.
Analysis of the safety database showed no difference in the side effect profile in patients taking sildenafil with and without antihypertensive medication.

No teratogenic effects, impairment of fertility or adverse effects on peri-/post-natal development were found in reproduction studies in rats and rabbits following oral administration of sildenafil There are no adequate and well-controlled studies in pregnant or lactating wome

4.7 undestrate energy.
The adverse events were generally transient and mild to moderate in nature.
In fixed-dose studies, the incidence of some adverse events increased with dose.
The nature of the adverse events in flexible-dose studies, which more closely reflect the recommended dosage regimen, was similar to that for fixed-dose studies.

Table 1 ADRs by SOC and CIOMS frequency category listed in order of decreasing medical seriousness within each frequency category and SOC

Common (≥1/100 and <1/10) Uncommon (≥ 1/1000 and <1/100) Rare (≥1/10,000 and <1/1000) Very Common (≥1/10) System Organ Class Immune system disorders Nervous system disorders Headache Seizure*; Seizure recurrence*; Syncope Vision blurred; Visual disturbance; Cyanopsia Eye oedema; Eye swelling; Dry eye; Asthenopia; Halo vision: Xanthonsia Eye pain; Photophobia; Photopsia; Chromatopsia; Ocular hyperaemia Visual brightness Erythropsia; Eye disorder; Conjunctival hyperaemia; Eye irritation; Abnormal sensation in eye Eyelid oedema Cardiac disorders Tachycardia; Palpitations Hot flush; Flushing Respiratory, thoracic and mediastinal Epistaxis; Sinus congestion Throat tightness; Nasal dryness; Gastrointestinal disorders Nausea; Dyspepsia Gastro oesophageal reflux disease; Hypoaesthesia oral Myalgia; Pain in extremity Musculoskeletal and connective tissue disorders Priapism*; Erection increased Reproductive system and breast disorders General disorders and administration Feeling hot Irritability Heart rate increased

*ADR identified post-marketing.

At doses above the recommended dose range, adverse events were similar to those detailed above but generally were reported more frequently.

In an analysis of double-blind placebo-controlled clinical trials encompassing over 700 person-years of observation on placebo and over 1300 person-years on sildenafil, there were no differences in the incidence rate of myocardial infarction (MI) or in the rate of cardiovascular mortality for patients receiving is sildenafil and to those receiving placebo. The rates of MI were 1.1 per 100 person-years for men receiving sildenafil and for those receiving placebo. The rates of cardiovascular mortality were 0.3 per 100 person-years for men receiving placebo.

4.6 uvergleose

A. overgleose volunteer studies of doses up to 800mg, adverse reactions were similar to those seen at lower doses, but the incidence rates and severities were increased. Doses of 200mg did not result in increased efficacy but the incidence of adverse reactions (headache, flushing, dizziness, dyspepsia, nasal congestion, altered vision) was increased.

In cases of overdose, standard supportive measures should be adopted as required. Renal dialysis is not expected to accelerate clearance as Sildenafil is highly bound to plasma proteins and not eliminated in the urine.

4.9 Effects on ability to drive and use machine
No studies on the effect on the ability to drive and use machines have been performed.
As dizziness and altered vision were reported in clinical trials with sildenafil, patients should be aware of how they react to MAXIGRA before driving or operating machinery

5. PHARMACOLOGICAL PROPERTIES

5. PHARMACOLOGICAL PROPERTIES
5.1 Pharmacodynamic properties
Sildenafil, 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).

Mechanism of action
The physiologic mechanism of erection of the penis involves release of nitric oxide (NO) in the corpus cavernosum during sexual stimulation.
NO then activates the enzyme guanylate cyclase, which results in increased levels of cyclic guanosine monophosphate (cGMP), producing smooth muscle relaxation in the corpus cavernosum and allowing inflow of ble Sildenafil has no direct relaxant effect on isolated human corpus cavernosum but enhances the effect of nitric oxide (NO) by inhibiting phosphodiesterase type 5 (PDE5), which is responsible for degradation of cGI

When sexual stimulation causes local release of NO, inhibition of PDE5 by sildenafil causes increased levels of cGMP in the corpus cavernosum, resulting in smooth muscle relaxation and inflow of blood to the corpus

cavernosum.

Slidenafil at recommended doses has no effect in the absence of sexual stimulation.

Sludies in vitro have shown that slidenafil is selective for PDE5.

Its effect is more potent on PDE5 than on other known phosphodiesterases (10-fold for PDE 6, >80-fold for PDE1, >700-fold for PDE2, PDE3, and PDE4, PDE7 – PDE11).

The approximately 4,000-fold selectivity for PDE5 versus PDE3 is important because PDE3 is involved in control of cardiac contractility.

5.2 Pharmacokinetic properties

Sildenafil pharmacokinetics are dose-proportional over the recommended dose range. It is eliminated predominantly by hepatic metabolism (mainly cytochrome P450 3A4) and is converted to an active metabolite with properties similar to the parent, sildenafil.

Absorption
Sildenafii is rapidly absorbed after oral administration, with mean absolute bioavailability of 41% (range 25%-63%).
Sildenafii inhibits the human PDE5 enzyme in vitro by 50% at a concentration of 3.5 nM. In man, the mean maximum free plasma concentration of sildenafii following a single oral dose of 100 mg is approximately 18 ng/mL, or 38 Maximum observed plasma concentrations are reached within 30 to 120 minutes (median 60 minutes) of oral dosing in the fasted state.

When sildenafil film-coated tablets are taken with a high fat meal, the rate of absorption of sildenafil is reduced, with a mean delay in Tmax of 60 minutes and a mean reduction in Cmax of 29% however, the extent of absorption was not significantly affected (AUC decreased by 11%).

The mean steady-state volume of distribution (Vss) for sildenafil is 105 L, indicating distribution into the tissues.

Sildenafil 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 0.0002% (average 188 ng) of the administered dose may appear in the semen of patients.

Metabolism
Sildenafil is cleared predominantly by the CYP3A4 (major route) and CYP2C9 (minor route) hepatic microsomal isoenzyn
The major circulating metabolite results from N-demethylation 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
In healthy volunteers, plasmac oncentrations of this metabolite are approximately 40% of those seen for sildenafil.
The N-desmethyl metabolite is further metabolised, with a terminal half-life of approximately 4 hours. ately 50% of the parent drug.

Elimination
The total body clearance of sildenafil is 41 L/h with a resultant terminal phase half-life of 3-5 hours. 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 urine (approximately 13% of the administered oral dose).

Pharmacokinetics in special patient groups

Pharmacokinetics in special patient groups
Elderly
Healthy elderly volunteers (65 years or over) had a reduced clearance of sildenafil, resulting in approximately 90% higher plasma concentrations of sildenafil and the active N-desmethyl metabolite compared to those seen in healthy younger volunteers (18-45 years). Due to age-differences in plasma protein binding, the corresponding in crease in free sildenafil plasma concentration was approximately 40%.
Renal insufficiency
In volunteers with mild (creatinine clearance = 50-80 mL/min) and moderate (creatinine clearance = 30-49 mL/min) renal impairment, the pharmacokinetics of a single oral dose of sildenafil (50 mg) were not altered.
In volunteers with severe (creatinine clearance ≤30 mL/min) renal impairment, sildenafil clearance was reduced, resulting in approximately doubling of AUC (100%) and Cmax (88%) compared to age-matched volunteers with

In addition, N-desmethyl metabolite AUC and Cmax values were significantly increased 200% and 79% respectively in subjects with severe renal impairment compared to subjects with normal renal function

space in instancements. (All the patic cirrhosis (Child-Pugh class A and B), sildenafil clearance was reduced, resulting in increases in AUC (85%) and Cmax (47%) compared to age-matched volunteers with no hepatic impairment (see action 4.2). The pharmacokinetics of sildenafil in patients with severely impaired hepatic function (Child-Pugh class C) have not been studied.

No evidence of drug-related carcinogenicity was revealed in a 24-month study in rats at doses up to 42 times the Maximum Recommended Human Dose (MRHD) on a mg/kg basis and approximately five times the MRHD on a mg/m2 bases) and in an 18-21 month study in mice at doses up to 21 times the MRHD on a mg/kg basis (approximately two times the MRHD on a mg/m2 basis).

Bacterial and in vivo mutagenicity tests were negative. There was no effect on sperm motility or morphology after single 100 mg oral doses of sildenafil in healthy volunteers. 5.4 Clinical Safety and Efficacy

Cardiac
Single or al doses of sildenafil up to 100 mg produced no clinically relevant changes in the ECGs of normal male volunteers.
The mean maximum decreases in supine systolic blood pressure following 100 mg oral dosing was 8.3 mmHg. The corresponding change in supine diastolic blood pressure was 5.3 mmHg.
Larger but similarly transient effects on blood pressure were recorded among patients receiving concomitant initiates (see sections 4.3 and 4.5).
In a study of the hemodynamic effects of a single oral 100 mg dose of sidenafil in 14 patients with severe coronary artery disease (CAD) (>70% stenosis of at least one coronary artery), the mean resting systolic and diastolic blood pressures decreased by 7% and 6%, respectively compared to baseline. Mean pulmonary systolic blood pressure decreased by 9%. Sidenafil showed no effect on cardiac output, and did not impair blood flow through the stenosed normary arteries, and resulted in improvement (approximately 13%) in adenosine-induced oranger (long this tenosed and reference arteries).
In a double-blind, placebo-controlled trial, 144 patients with erectile dysfunction and stable angina, who were taking their regular antianginal medications (except nitrates) were exercised until limiting angina occurred. The duration of treadmill exercise was statistically significantly longer (19) seconds; 95% confidence interval: 0.9 - 38.9 seconds) in the evaluable patients who had taken a single dose of placebo. The mean exercise times (adjusted for baseline) to the onset of limiting angina were 42.3 6 and 40.3.7 seconds for sildenafil and placebo, respectively.
A randomized, double-blind, placebo-controlled, flexible-dose study (sildenafil up to 100 mg) in males (N=568) with erectile dysfunction and arterial hypertension taking two or more antihypertension as on placebo. The incidence of adverse events was consistent with observations in other patient populations, as well as in the subjects taking three or more antihypertensive agents.

Visual

Mild and transient differences in color discrimination (blue/green) were detected in some subjects using the Farnsworth-Munsell 100 hue test at 60 minutes following a 100 mg dose, with no effects evident after 120 minutes post-dose. The postulated mechanism for this change in colour discrimination is related to inhibition of PDE6, which is involved in the phototransduction cascade of the retina. In vitro studies show that sildenafil is 10-fold less potent against PDE6 than PDE5. Sildenafil has no effect on visual acuity, contrast sensitivity, electroretinograms, intraocular pressure, or pupillometry.

In a placebo-controlled, crossover study of patients with documented early age-related macular degeneration (in-9), sildenafil (single dose, 100 mg) was well-tolerated and demonstrated no clinically significant changes in the intraction of the product of the

al tests conducted (visual acuity, Amsler grid, color discrimination, simulated traffic light, Humphrey perimeter and photostress

quesuminates. Sildenafila efficacy determined as the ability to achieve and maintain an erection sufficient for sexual intercourse, was demonstrated in all 21 studies and was maintained in long-term extension studies (one year). In fixed-dose Solutional menicacy, determined as une ability to acmieve and maintain an erection sufficient for sexual intercourse, was demonstrated in all 21 studies and was maintained in long-term extension studies (one year). In tixed-dose studies, the proportions of patients reporting that treatment improved their erections were 62% (25 mg), 74% (50 mg) and 82% (100 mg) compared to 25% on placebo. In addition to improvements in erectile dysfunction, analysis of the IEF showed that sildenafil treatment also improved the domains of orgasm, salisfaction with intercourse and overall satisfaction.

Across all trials, the proportions of patients reporting improvement on sildenafil were 59% of diabetic patients, 43% of radical prostatectomy patients and 83% of patients with spinal cord injury (versus 16%, 15% and 12% on

6. PHARMACEUTICAL PARTICULARS

6.1 Special precaution for storage Store below 30°C in a cool & dry place. Protect from heat, light & moisture. KEEP OUT OF REACH OF CHILDREN

6.3 Nature and Content of container

1 x 4 Tablets in Alu/PVC blister pack is packed in a printed carton along with leaflet

7. MARKETING AUTHORISATION HOLDER



Product Registrant: Altepharm Pte. Ltd. 140 Paya Lebar Road # 09-24