



Each film-coated tablet contains:

**Composition:**

Sildenafil Citrate.....50 mg

**Indications :** NEOGRA is indicated for the treatment of erectile dysfunction in men.

**Description:**

Part of the physiological process of erection involves the parasympathetic nervous system causing the release of **nitric oxide (NO)** in the **corpus cavernosum** of the penis. NO binds to the receptors of the enzyme **guanylate cyclase** which results in increased levels of **cyclic guanosine monophos**

**phate (cGMP)**, leading to **smooth muscle** relaxation (vasodilation) in the corpus cavernosum, resulting in increased inflow of blood and an erection.

Sildenafil is a potent and selective inhibitor of **cGMP specific phosphodiesterase type 5 (PDE5)** which is responsible for degradation of cGMP in the **corpus cavernosum**. The molecular structure of sildenafil is similar to that of cGMP and acts as a competitive binding agent of PDE5 in the corpus cavernosum, resulting in more cGMP and better erections. Without sexual stimulation, and therefore lack of activation of the NO/cGMP system, sildenafil should not cause an erection.

Sildenafil is **metabolised** by **hepatic enzymes** and excreted by both the **liver** and **kidneys**. If taken with a high-fat meal, there may be a delay in absorption of sildenafil and the peak effect might be reduced slightly as the plasma concentration will be lowered

**Contraindications**

Use of **NEOGRA** is contraindicated in patients with a known hypersensitivity to any component of the tablet. Consistent with its known effects on the nitric oxide/cGMP pathway, sildenafil was shown to potentiate the hypotensive effects of nitrates, and its administration to patients who are concurrently using organic nitrates in any form is therefore contraindicated.

**Dosage:**

For most patients, the recommended dose is 50 mg taken, as needed approximately 1 hour before sexual activity. However, NEOGRA may be taken anywhere from 4 hours to 0.5 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 dosing frequency is once per day.

**Presentations:**

4 Tablets			
<b>MRP</b>	<b>Retailer</b>	<b>Stockiest</b>	
60.00	One Strip Free	54.00	

