

TENOTENS *Tablets*

Selective beta 1- adrenergic blocker

Composition:

- Tenotens 50: Each tablet contains Atenolol 50 mg.
- Tenotens 100: Each tablet contains Atenolol 100 mg.

Properties:

TENOTENS is beta - adrenoceptor blocking drug which binds to beta 1- adrenergic receptors selectively in the heart. It is without intrinsic sympathomimetic & membrane stabilizing activities. As with other beta - blockers, its mode of action in treatment of hypertension is unclear. TENOTENS decreases the cardiac rate & contractility which makes it effective in eliminating or reducing the symptoms of patients with angina. Early intervention with TENOTENS in acute myocardial infarction reduces infarct size & decreases morbidity & mortality. The incidence of ventricular arrhythmias is decreased and marked pain relief may result in reduced need of opiate analgesics. Early mortality is decreased. TENOTENS is an additional treatment to standard coronary care.

The absorption of TENOTENS following oral dosing is consistent but incomplete [40 - 50 % approximately] with peak plasma concentrations occurring 2 - 4 hours after dosing. There is no significant hepatic metabolism of TENOTENS and more than 90 % of the absorbed reaches the systemic circulation unaltered. The plasma half -life is about 6 hours but this may rise in severe renal impairment since the kidneys are the major route of elimination. TENOTENS penetrates tissues poorly due to its low lipid solubility and its concentration in the brain is low as well as the plasma protein binding is very low.

TENOTENS is potent, selective, well tolerated beside its less side effects.

Indications:

- 1- Control of hypertension.
- 2- Management of angina pectoris.

3- Control of cardiac arrhythmias.

4- Myocardial infarction : early intervention & late intervention after myocardial infarction.

5- Used to mute the peripheral symptoms of anxiety without significantly affecting motor performance. It blocks symptoms mediated by sympathetic stimulation [palpitation, tremulousness] but not noradrenergic symptoms [diarrhea & muscle tension].

Dosage:

Initial dosage : 50 mg once daily used alone or added to a diuretic. The full effect of this dose will usually be seen within 1-2 weeks. If an optimal response is not achieved increase to 100 mg once daily. Dosage beyond 100 mg daily is unlikely to produce any further benefit. Dosage adjustment in renal failure is required since TENOTENS is excreted via the Kidneys. No significance accumulation occurs until creatinine clearance falls below 35 ml /minute /1.73 m² .

TENOTENS is not recommended for children.

Pregnancy:

TENOTENS crosses the placental barrier and appears in the cord blood no studies have been performed on the use of TENOTENS in the 1st trimester and possibility of foetal injury can not be excluded. TENOTENS has been used under close supervision for treatment of hypertension in the 3rd trimester. Administration of TENOTENS for longer period to pregnant women in the management of mild & moderate hypertension has been associated with intra-uterine growth retardation.

Lactation:

There is significance accumulation of TENOTENS in the breast milk. Caution should be exercised when TENOTENS is administered to nursing women.

Packing:

- TENOTENS 50 Mg : Boxes containing 14 tablets in one strip.

- TENOTENS 100 Mg : Boxes containing 14 tablets in one strip.