

*Only for the use of Medical Professionals*

# **Indever<sup>®</sup>**

Propranolol Hydrochloride

## **Description**

Indever<sup>®</sup> is a preparation of Propranolol Hydrochloride. It is a non selective  $\beta$ -adrenergic receptor blocking agent.

## **Indications and Uses**

Indever<sup>®</sup> is indicated in

- essential and renal hypertension
- angina pectoris
- long term prophylaxis after recovery from acute myocardial infarction
- cardiac dysrhythmia
- prophylaxis of migraine
- essential tremor
- anxiety and anxiety tachycardia
- adjunctive management of thyrotoxicosis and thyrotoxic crisis
- hypertrophic obstructive cardiomyopathy
- phaeochromocytoma (with  $\alpha$ -blocker)

## **Dosage and administration**

### **Dosage of Indever<sup>®</sup> tablet**

#### **Adults**

Hypertension: A starting dose of 80mg twice a day may be increased at weekly intervals according to response. The usual dose range is 160-320mg per day. With concurrent diuretic or other antihypertensive drugs a further reduction of blood pressure is obtained.

Angina, anxiety, migraine and essential tremor: A starting dose of 40mg two or three times daily may be increased by the same amount at weekly intervals according to patients' response. An adequate response in anxiety, migraine and essential tremor is usually seen in the range 80-160mg/day and an angina in the range 120-240mg/day.

Situational and generalized anxiety: A dose of 40mg daily may provide short term relief of acute situational anxiety. Generalized anxiety requires long term therapy, usually responds adequately to 40mg twice daily which, in individual cases, may be increased to 40mg

three times daily. Treatment should be continued according to responses. Patients should be reviewed after 6 to 12 months treatment.

Dysrhythmias, anxiety tachycardia, hypertrophic obstructive cardiomyopathy and thyrotoxicosis: A dosage range of 10-40mg three or four times a day usually achieves the required response.

Post myocardial infarction: Treatment should be started between days 5 and after 21 after myocardial infarction, with an initial dose of 40mg four times a day for 2 or 3 days. In order to improve compliance the total daily doses three after be given as 80mg twice a day.

Phaeochromocytoma (Used only with an alpha receptor blocking drug).

Pre-operative: 60mg daily for three days.

Non-operable malignant cases: 30mg daily.

### **Children**

Dysrhythmias, Phaeochromocytoma, Thyrotoxicosis: Dosage should be individually determined and the following is only a guide. 0.25-0.5mg/kg three or four times daily as required.

### **Migraine**

Under 12 years: 20mg two or three times daily. Over 12 years : The adult dose.

### **Dosage of Indever® SR Capsule**

#### **Adult**

The dosage of indever ®SR capsule must be individualized

Hypertension: The usual initial dose is 80mg indever ®SR once daily, whether used alone or added to a diuretic. The usual maintenance dosage is 120 to 160mg once daily.

Angina pectoris: Starting with 80mg Indever® SR once daily, dosage should be gradually increased three to seven day intervals until optimum response is obtained.

Migraine: The initial oral dose is 80mg indever ®SR once daily. The usual effective dose range is 160 to 240mg once daily. It may be advisable to withdraw the drug gradually over a period of several weeks.

Hypertrophic subaortic stenosis: 80mg indever ®SR once daily

### **Use in pregnancy and lactation**

There are no adequate and controlled studies in pregnant women. Propranolol is excreted in human milk. Caution should be exercised when propranolol is administered to a nursing mother.

**Side effects**

Propranolol is usually well tolerated. Minor side effects such as cold extremities, nausea, diarrhea, sleep disturbances and lassitude are often transient. There have been reports of skin rashes and/or dry eyes associated with the use of beta-adrenergic blocking drugs.

**Contraindications**

This product is contraindicated in patients with known Hypersensitivity to any component of the formulation. If there is a history of bronchial asthma or bronchospasm.

**Precautions**

Beta-adrenoceptor blocking drugs should be avoided in heart failure. Propranolol modifies the tachycardia of hypoglycaemic therapy in diabetic patients. Propranolol may prolong the hypoglycaemic response to insulin.

**Over dosage**

The symptoms of over dosage may include bradycardia, hypotension, acute cardiac insufficiency and bronchospasm. Treatment of over dosage include close supervision, treatment in an intensive care ward, the use of gastric lavage, activated charcoal and a laxative to prevent absorption of any drug still present in the gastrointestinal tract, the use of plasma or plasma substitutes to treat hypotension and shock.

**Drug interaction**

Beta-adrenoceptor blocking drugs interact with clonidine. If beta-adrenoceptor blocking drugs and clonidine are given concurrently, clonidine should be discontinued until several days after withdrawal of beta-adrenoceptor blocking drug.

Care should be taken in prescribing a beta-adrenoceptor blocking drugs with class 1 antidysrhythmic agents (disopyramide). Beta-adrenoceptor blocking drugs should be used with caution in combination with verapamil in patients with impaired ventricular function.

**Pharmaceutical precautions**

Store in a cool dry place. Protect from light.

**Presentation**

Indever ®SR 80mg Capsules: Each capsule contains Propranolol Hydrochloride BP 80mg as sustained release pellets.

Indever ®SR 40mg Capsules: Each capsule contains Propranolol Hydrochloride BP 40mg as sustained release pellets.

Indever ® 10mg Tablets: Each tablet contains Propranolol Hydrochloride BP 10mg.

Indever ® 40mg Tablets: Each tablet contains Propranolol Hydrochloride BP 40mg.

**Package quantities**

Indever ®SR 80mg Capsules: Carton of 100 capsules in blister.

Indever ®SR 40mg Capsules: Carton of 100 capsules in blister.

Indever ® 10mg Tablets: Carton of 100 tablets in blister.

Indever ® 40mg Tablets: Carton of 100 tablets in blister.

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**ACI Limited**  
**Narayanganj, Bangladesh**