

MeforinTM

Metformin Hydrochloride

Composition:

MeforinTM 500 Tablet: Each film coated tablet contains Metformin Hydrochloride BP 500 mg.

MeforinTM XR Tablet: Each film coated extended-release tablet contains Metformin Hydrochloride BP 500 mg.

MeforinTM 850 Tablet: Each film coated tablet contains Metformin Hydrochloride BP 850 mg.

Description:

MeforinTM (Metformin) is a biguanide antihyperglycemic agent which improves glucose tolerance in type 2 diabetes patients by lowering basal & postprandial plasma glucose. **MeforinTM** inhibits hepatic glucose production (gluconeogenesis), reduces intestinal absorption of glucose & improves peripheral insulin sensitivity which increases peripheral glucose uptake & utilization. Unlike sulfonylureas, **MeforinTM** does not produce hypoglycemia in either diabetic or non-diabetic patients. **MeforinTM** helps in lowering cholesterol level & also helps obese patient to lose weight.

Indications:

In non-insulin dependent (Type 2) diabetes mellitus- alone, when blood glucose & obesity are not responding to dietary therapy; in combination with a sulfonylurea, repaglinide, pioglitazone, acarbose or insulin. Adjuvant therapy in insulin-dependent (Type 1) diabetes, particularly in the obese. It is also indicated for IGT patients to prevent progression to type 2 diabetes; PCOS including chronic anovulation, hirsutism & associated vascular disease in women. It may also be given in combination with Clomiphene Citrate to enhance the ovulatory response & with oral contraceptives to have better results in hirsutism.

Dosage & Administration:

The usual starting dose of **MeforinTM XR** is 500 mg (1 tablet) once daily with the evening meal & in case of **MeforinTM 850**, 850 mg once daily. Dosage increases in case of **MeforinTM XR** should be made in increments of 500 mg weekly, up to a maximum of 2 gm once daily with the evening meal & in case of **MeforinTM 850**, 850 mg every two weeks i.e. dosage could be gradually increased to 1 tablet of 850 mg thrice daily. If glycemic control is not achieved on **Meforin XR** 2 gm once daily, a trial of **MeforinTM XR** 1 gm b.i.d. should be considered. If higher doses of **MeforinTM** are required, **MeforinTM 850** mg tablets should be used at the maximum daily dose (in divided doses).

In PCOS, **MeforinTM XR** 500 mg to 2 gm once daily with the evening meal or **MeforinTM 850** mg b.i.d. with meals. The maximum daily dose of Metformin Hydrochloride is 3 gm in divided doses but most doctors limit this to 2 gm daily in case of **MeforinTM 500** mg formulation & 1.7 gm (850 mg b.i.d.) daily in case of **MeforinTM 850** mg formulation.

Pediatric use:

Metformin is not recommended for the child aged less than 10 years.

OR AS DIRECTED BY THE PHYSICIAN.

Side Effects:

Anorexia, nausea, vomiting, diarrhea, abdominal pain, metallic taste, decrease vitamin B₁₂ absorption, erythema, pruritus, urticaria, hepatitis etc. may occur.

Precautions:

During concomitant therapy with other oral hypoglycemic drugs, blood sugar should be monitored carefully because combined therapy may hypoglycemia. In the event of severe trauma, injuries, infectious diseases & high fever, & surgery, it may be necessary to give insulin to maintain adequate metabolic control. Patients receiving continuous therapy should have an annual estimation of vitamin B₁₂ level.

Drug Interaction:

It may enhance the effects of anti-coagulants. As such patients receiving the two drugs concomitantly may need adjustment of the anti-coagulant dosage.

Contraindications:

Metformin is contraindicated in patients with known hypersensitivity to **Metformin** or any other components of this preparation, renal & hepatic impairment, respiratory failure, recent myocardial infarction etc. **This drug is contraindicated in pregnancy & lactation period.**

Storage Condition:

Keep in a cool and dry place below 30⁰ C, protect from light. Keep out of the reach of children.

Presentation:

Meforin™ 500 Tablet: Each box contains 5x10's tablets in blister packs.

Meforin™ XR Tablet: Each box contains 3x10's tablets in blister packs.

Meforin™ 850 Tablet: Each box contains 5x10's tablets in blister packs.