

Mexamine

(Mecobalamin)

میکزاملین

COMPOSITION

Each **Mexamine** 500mcg capsule contains 500mcg of mecobalamin.

Each **Mexamine** 1ml ampoule contains 500mcg of mecobalamin.

INTRODUCTION

Mecobalamin is a vitamin B-12 co-enzyme that occurs in blood and cerebrospinal fluid. Mecobalamin is taken by nerve tissues more actively and extensively than other homologues of vitamin B12. Mecobalamin accelerates the synthesis of nucleic acid in bone marrow as well as promotes the maturation and division of erythroblast and haeme synthesis, resulting in an increase in erythrocyte (RBCs) production. Mecobalamin acts to repair damaged nerve tissue in nerve disorders such as axonal degeneration and demyelination.

PHARMACOKINETICS

When mecobalamin was administered orally to healthy adult male volunteers at a single dose of 1,500 μg , the peak serum total vitamin B12 concentration was reached after 3 hours. Plasma half life is 12.5 hr and renal excretion accounts for 40-80%.

The time to reach peak serum concentration (t_{max}) was 0.9 hr after intramuscular administration.

INDICATIONS

Peripheral neuropathies, diabetic neuropathies, megaloblastic anaemia caused by Vit B12 deficiency.

Pernicious anaemia and its neurological complication, subacute combined degeneration of the spinal cord. Macrocytic anaemias associated with nutritional deficiencies. Intestinal malabsorption, megaloblastosis, diet-related deficiency, post-gastrectomy. Indications for prophylaxis include strict vegetarianism, post-gastrectomy, and ileal resection and conditions of the small intestine that would predictably cause deficiency.

DOSAGE AND ADMINISTRATION

Oral

The usual adult dose for oral use is 3 capsules (1500mcg mecobalamin) daily in 3 divided doses.

The dosage may be increased or decreased according to the age of patient and the severity of symptoms.

Parenteral

- The adult daily dose is one ampoule (500mcg mecobalamin), administered intramuscularly or intravenously once a day at the frequency of three times a week.
- For the treatment of megaloblastic anemia usual daily dose is one ampoule (500mcg mecobalamin), administered intramuscularly or intravenously once a day at the frequency of three times a week. After approximately 2 months of medication the dose should be reduced to a single administration of one ampoule at 1 to 3 months of interval for the maintenance therapy. The dosage may be increased or decreased according to the age of patient and the severity of symptoms.

ADVERSE EFFECTS

Anorexia, nausea, diarrhea, skin rash, allergic hypersensitivity reaction. Rarely during parenteral therapy headache, sweating and hot sensation.

PRECAUTIONS

- Mecobalamin should not be used for more than one month unless it is effective.
- Prolonged use of larger dose is not recommended for patients who are directly involved in handling of mercury and its compounds.
- Use of drug should be discontinued if symptoms of hypersensitivity such as eruption occur.
- Since this drug decomposes on exposure to light, it should be used immediately after the package is opened.
- In intramuscular administration, care should be exercised to avoid adverse effects on tissues or nerves.
- Repeated injections at the same site should be avoided.
- Particular care should be exercised when administering the drug to neonates, premature infants, infants and children.
- The course of nerves should be avoided for the site of injection. On administration of syringe if patient complains of pain or if blood reflux occurs, withdraw it immediately and try a different site.

CONTRAINDICATIONS

Hypersensitivity to mecobalamin or other B12 containing products.

PRESENTATION

Mexamine capsule 500mcg: 30's/pack.

Mexamine 1ml ampoule: 10's/pack.

DOSAGE:

As directed by the physician.

INSTRUCTIONS:

Store below 30°C.

Protect from light & moisture.

Keep out of reach of children.

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خوراک:

ڈاکٹر کی ہدایت کے مطابق۔

ہدایات:

دوا کو ۳۰ ڈگری سینٹی گریڈ سے کم درجہ حرارت پر رکھیں۔

دھوپ اور نمی سے بچائیں۔

بچوں کی پہنچ سے دور رکھیں۔

Detailed prescribing information is available on request.

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