For the use of Registered Medical Practinoner or A Hospital or A Laboratory

AMERICAN

NEURORUN FORTE

Injection

Injection of Vitamin B_1+B_6+B_{12}+Niacinamide+D-Panthenol

Compostion

Each ml contains:

Thiamine Hydrochloride	I.P.	33 mg
Pyridoxine Hydrochloride	I.P.	33 mg
Cyanocobalamin	I.P.	333 mcg
Niacinamide	I.P.	3 3 mg
D-Panthenol	I.P.	18 mg
Benzyl Alcohol (As preservative)	I.P	1.5% v/v
Water for Injection	I.P.	q.s.

Introduction :

Neurorun Forte Injection is mainly used as a nutritional supplements that is prescribed to treat nutritional deficiencies as well as Vitamin B_{12} deficiency. It ensures the proper growth and functioning of the body.

Action:

Pharmacodynamics/Pharmacokinetics:

Neurorun Forte Injection : Is a combination of essential neurotropic vitamins in high dose preparation. Vitamins B_1, B_6 and B_{12} are of special importance as they are indispensablecomponents in normal nerve cell metabolism. The combination greatly enhances their therapeutic efficacy as compared to their effect individually.

In the human body, Thiamine hydrochloride is converted to Thiamine pyrophosphate (active form), which is a coenzyme in the decarboxylation of a-keto acids.

On the other hand, Pyridoxine Hydrochloride will be transformed to Pyridoxol 5'- phosphate, it is a coenzyme chemical involved in protein and amino acid metabolism.Vitamin B_{12} is essential in nucleic acid and myelin protein synthesis; for cell growth and replication and maintaining the integrity of the nervous tissue.

Benefits of Neurorun Forte Injection:

In Nutritional deficiencies :

Neurorun Forte Injection It is a nutritional supplement that is used with other medicines in the treatment of many long term diseases..It contains various vitamins that help in proper brain function, boosting body energy levels and are important for proper functioning of the nervous system.

Indications/Uses:

Neurorun Forte Injection is a combination of five various forms of Vitamin supplements: Thiamine (Vitamin B1), Vitamin B_6 (Pyridoxine Hydrochloride),Cyanocobalamin,(Vitamin B12),Nicotinamide, (Vitamin B3) and D Panthenol(Vitamin B5).Altogether they provide essential nutrients for the proper functioning of organs and adequate growth of the body.

Neurorun Forte Injection : Treatment of disorders associated with Vitamin B-complex deficiency. Pronounced analgesic and neuro-regenerative effects are produced by this high dosage combination and is therefore particularly valuable in the treatment of disorders of peripheral nervous system: polyneuritis, neuralgia, sciatica and shoulder-arm syndrome, lumbago-lumbalgia, intercostal neuralgia, trigeminal neuralgia, facial palsy due to herpes zoster, diabetic neuropathy, optic neuritis, numbness of the extremities, as a supplement to therapy with INH, reserpine and phenothiazines, nausea and vomiting of pregnancy, vitamin B deficiency, cerebrovascular accidents.

Dosage/Direction for Use:.

Neurorun Forte Injection : As direected by Physician Neurorun forte injection is administered by physician through I.M /.IV Drip.

The duration of the treatment is determined by the doctor.

Overdosage:

Sensorial neuropathy and other sensorial neuropathy syndromes which can be caused by long-term administration of high doses of pyridoxine improve gradually upon vitamin discontinuation.

Contraindications :

Neurorun Forte Injection : Must not be used in patients hypersensitive to any of the active ingredients or excipients of the product. This product should not be given to children below 14 years of age.

Special Precautions:

In the literature, neuropathies are described under long-term intake (6-12 months) of more than 50 mg mean daily dose of vitamin B6. Therefore, under long-term treatment, regular monitoring is recommended. Do not re-use syringes and needles. Syringes and needles must be disposed immediately after use. Used syringes and needles must not be disposed in waste bins or toilets, but they must be disposed in a special sharps container. This medication is used to treat lack or deficiency of vitamins when the form taken by mouth cannot be used or would not work as well as the injection.

Use In Pregnancy & Lactation:

No risks have become known associated with the use Neurorun Forte Injection during pregnancy at the recommended dosage. Vitamins B1, B6 and B12 are secreted into human breast milk, but risks of overdose for the infant are not known. In individual cases, high doses of vitamin B6 (i.e. >600 mg daily), may inhibit the production of breast milk.

Adverse Drug Reactions :

Immune system disorders: Hypersensitivity reactions, such as sweating, tachycardia, and skin reactions with itching and urticaria. In single cases, conditions of shock have been observed after treatment with vitamin B1 or B12 injections. Gastrointestinal disorders: Gastrointestinal complaints, such as nausea, vomiting, diarrhoea and abdominal pain. Renal and urinary disorders: Chromaturia ("reddish urine" appears during the first 8 hours after an administration and typically resolves within 48 hours).
Stop taking this product and consult with a physician if the above effects are observed.

Common side effects :

Gastrointestinal disturbance, Allergic skin rash, Pricking sensation, Tingling sensation

Drug Interactions:
Vitamin B6 (pyridoxine) may decrease the effect of L-DOPA.
Pyridoxine antagonists such as isoniazid, cycloserine, penicillamine, or hydralazine may decrease the efficacy of vitamin B6 (pyridoxine).
Long-term use of loop diuretics such as furosemide may accelerate the elimination and thus decrease the serum levels of Vitamin B1 (thiamine).
Long-term use of acid-lowering agents may lead to Vitamin B12 deficiency.

Caution For Usage:

Incompatibilities: It is not recommended to use Neurorun Forte Injection together with other medicinal products in a "mixed injection" or infusion.

Vitamin B1 is completely degraded by sulfite-containing infusion solutions. Other vitamins, especially cyanocobalamin, may be inactivated in the presence of Vitamin B degradation products.

Storage :

Store in a cool, dry and dark place.

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