

Caltate^{Tablet}

Calcium Lactate BP 300mg

Composition

Each tablet contains Calcium Lactate BP 300 mg.

Description

This preparation has three main actions: It supplements dietary calcium, neutralizes gastric acid in peptic - cures disease and sequesters phosphorus in the intestine to reduce the total body phosphate accumulation in chronic renal failure.

Mode of action

Calcium Lactate neutralizes gastric acid in peptic ulcer disease and gives supplementary dietary calcium by reducing serum phosphate concentration which ultimately ensures the deposition of calcium phosphate in bone and soft tissue.

Pharmacokinetics

Calcium is used to prevent or treat negative calcium balance. It also helps facilitate nerve and muscle performance as well as normal cardiac function. Bone mineral component; cofactor in enzymatic reactions, essential for neurotransmission, muscle contraction, and many signal transduction pathways.

Indications

Increased demand for calcium during pregnancy, lactation, the period of rapid growth and any other calcium deficiencies.

Dosage and Administration

19-50 year: 1,000 mg elemental Calcium Lactate per day.

>50 year: 1,200 mg elemental Calcium Lactate per day.

OR AS DIRECTED BY THE PHYSICIAN.

Side Effects

GI discomfort e.g. nausea, vomiting, constipation; bradycardia, arrhythmias. Dry mouth, increased thirst or increased urination. Mental confusion, milk-alkali syndrome.

Contraindications

Conditions associated with hypercalcaemia and hypercalciuria.

Precautions

Sarcoidosis; history of nephrolithiasis. Avoid IV admin of calcium in patients on cardiac glycosides. Increased risk of hypercalcaemia and hypercalciuria in hypoparathyroid patients receiving high doses of vitamin D. Caution when used in patients with history of kidney stones. Patients should be advised to administer vitamin D concurrently to optimise calcium absorption in pregnancy.

Use in Pregnancy and Lactation

Pregnancy Category-C. Animal reproduction studies have shown an adverse effect on the fetus and there are no adequate and well-controlled studies in humans, but potential benefits may warrant use of the drug in pregnant women despite potential risks.

Drug Interactions

May reduce the efficacy of calcium-channel blockers. Concurrent admin of IV calcium salt with cardiac glycosides may lead to serious adverse events. Increased risk of hypercalcaemia when used with thiazide diuretics. May reduce absorption of tetracycline, alendronate, atenolol, iron, quinolone antibiotics, sodium fluoride and zinc.

Storage

Store in a cool (Below 30°C) and dry place, protected from light.

Packing

Caltate Tablet: Each box contains 15 X 10's tablets of alu-alu blister strip packs.

Manufactured by:
Gace Pharmaceuticals
(G. A. Company Ltd.)
Dhaka, Bangladesh