

Only for the use of Medical Professionals

Acical-C®

Calcium + Vitamin C effervescent tablet

Product Information:

Acical-C® is a preparation of Calcium and Vitamin C. Calcium is the most abundant mineral in the human body which is needed for muscle contraction, blood vessel contraction and expansion, the secretion of hormones and enzymes and sending message through the nervous system. Vitamin C (ascorbic acid) is a water soluble vitamin, which is very essential as human body cannot synthesize it. Vitamin C is a significant factor in the defense mechanism of the organism against infections (cold and influenza). It stimulates the immune system to produce immune substances (immunoglobulins, interferons). Vitamin C is associated with the formation of connective tissue (collagen) and intercellular material, and is therefore indispensable in the healing of wounds and bone fractures. It binds harmful substances within the body (free radicals) and thus protects cells from ageing.

Indications

Acical-C® is indicated in

- Increased demand for Calcium and Vitamin C in pregnancy, lactation and periods of rapid growth in children as well as in old age
- Prevention and treatment of Calcium and Vitamin C deficiency
- Maintaining strong bones and teeth
- Infectious disease and convalescence
- Premenstrual syndrome
- Adjuvant therapy for bone fracture, wounds, osteoporosis as well as colds and influenza

Dosage and administration

Dissolve the Acical-C® effervescent tablet in a glass of water.

Adults & children of school age	:	1 effervescent tablet daily
Children 3 to 7 years	:	½ effervescent tablet daily
Infants	:	As directed by the physician

Use in pregnancy & lactation

Oral Calcium supplements are recommended worldwide during pregnancy and lactation. Besides, Vitamin C is also considered safe for pregnant and breastfeeding mothers.

Precautions

In mild hypercalciuria (exceeding 300 mg = 7.5 mmol/24 hours) as well as in chronic renal failure, or where there is evidence of stone formation in the urinary tract, adequate checks must be kept on urinary calcium excretion. If necessary, the dosage should be reduced or therapy discontinued. High doses of Vitamin D and derivatives should also be avoided with this preparation unless specially indicated. Since, Vitamin C enhances aluminium absorption, it should be taken with caution in patients with severe renal impairment, especially those receiving aluminium containing

preparations. Besides, in case of diabetic patients, the sugar content should be considered.

Side effects

Mild gastrointestinal disturbances (bloating, diarrhoea) can occur, but it is rare. In predisposed patients, prolonged treatment with high doses may promote formation of urinary calculi in urinary tract.

Contraindications

It is contraindicated in patients with hypersensitivity to drug and any of its ingredients. It is also contraindicated in case of hypercalcemia, severe hypercalciuria, severe renal failure, patients with hyperoxaluria, glucose-6-phosphate dehydrogenase deficiency, or iron overload.

Drug interactions

Calcium reduces absorption of fluoroquinolones, levothyroxine, tetracycline, tiludronate, and phenytoin. It may decrease levels of the drug digoxin. Thiazide, and diuretics similar to thiazide, can interact with Calcium to increase the chances of developing hypercalcemia and hypercalciuria. Aluminum and magnesium antacids can both increase urinary calcium excretion. Prednisone can cause Calcium depletion and eventually osteoporosis, when used for more than a few weeks. Vitamin C enhances iron absorption and it may interfere with urinary glucose determination.

Overdose

Acute overdose has not been reported. It may cause gastrointestinal disturbances but not hypercalcemia, except in patients who are taking high dosage of Vitamin D and derivatives.

Pharmaceutical precautions

Should be stored in a cool and dry place. Protect from light and moisture and keep out of reach of children.

Presentations

Acical-C[®]: Each effervescent tablet contains

Calcium Lactate Gluconate BP	1000 mg
Calcium Carbonate BP	327 mg
Ascorbic Acid BP	500 mg

Package quantities

Acical-C[®]: Each tube contains 10 effervescent tablets

® Registered Trade Mark



ACI Limited
Narayanganj, Bangladesh