

ACITRATE 1080 mg Extended-Release Tablet

ANTIUROLITHIC

FORMULATION:
Each extended-release tablet contains:
Potassium Citrate USP (10 mEq).......1080 mg

PRODUCT DESCRIPTION: White to off white colour el

PHARMACODYNAMICS:

Metabolism of absorbed Potassium Citrate produces an alkaline load, raising urinary pH and increasing urinary citrate by augmenting citrate clearance. Thus, Potassium Citrate therapy appears to increase urinary citrate mainly by changing the renal handling of citrate. Increased urinary citrate and pH, decreases calcium ion activity by increasing calcium complexation to dissociated anions. Thus, decreasing the saturation of calcium complexation to a clicum citrate and pH. decreases calcium phosphate in the processing calcium complexation of calcium citrate also inhibits the crystallization and spontaneous nucleation of calcium organization phosphate is the processed citrate complexation of calcium phosphate, because the effect creased citrate complexation of calcium is antagonized by the rise in pH-dependent dissociation of phosphate. Calcium phosphate stones are more stable in

MECHANISM OF ACTION:
Potassium Citrate, which works by restoring naturally occurring chemicals in the urine that stop crystals from forming and also inhibits the formation of the 2 most common types of kidney stones, calcium oxalate and uric acid stones. In numerous studies, patients treated with Potassium Citrate have demonstrated significantly lower rates of kidney stone formation. In many patients, new stones do not form at all.

PHARMACOKINETICS:
Potassium citrate is administered orally, Potassium first enters the extracellular fluid and is then actively transported into cells. Skeletal muscle accounts for the bulk of the intracellular store of potassium. Renal excretion of potassium normally is equal to the amount being absorbed in the diet. Potassium is freely filtered at the glomerulus and almost completely reabsorbed in the proximal tubule. Tubular secretion occurs in the late distal convoluted tubule and collecting duct, and accounts for the potassium excreted in the union, which is about 10% of the about 10% of the distal convoluted tubule and collecting duct, and accounts for the potassium excreted in the union, which is about 10% of the about 10% of the cell elimination of potassium strains in the union, which is about 10% of the about 10% of the account filtered. Feed elimination of potassium strains minimal and plays no significant role in potassium citrate and urinary ply fulse are important. In the setting of normal renal function, the rise in urinary citrate following as single dose of extended-release Potassium Citrate begins by the first hour and lasts for 12 hours. With multiple dose, the rise in citrate excretion reaches its peak by the third day and avert the normally wide circatal nictuation in urinary citrate, thus maintaining urinary citrate at a higher, more constant level throughout the day. The rise in citrate excretion is directly dependent on the Potassium Citrate accounts of the produce a staffactory citrate. The programmate of the produce a staffactory citrate in the produce and produce and produce a staffactory citrature response. In patients with everer enal futual acidosis in or chronic diarrhea syndrome where urinary citrate may be very low (<100 mg/day). Potassium Citrate may be relatively ineffective in raising urinary citrate. A higher dose of Potassium Citrate may be very low (<100 mg/day). Potassium Citrate may be relatively ineffective in raising urinary citrate. A higher dose of Potassium Citrate

DUSAGE AND ADMINISTRATION:
In patients with severe hypocitraturia (urinary citrate of leas than 150 mg/day), therapy should be initiated at a dosage of 50 mEg/day (20 mEg three times day or 15 mEg four times (day with meals or within 30 minutes after meals or bedtime snack). In patients with mild-moderate hypocitraturia (>150 mg/day), Potassium Citrate tables should be initiated at a dosage of 30 mEg/day) (10 mEg three times/day) with meals of the company of the comp

Potassium Citrate tablet is contraindicated in patients with hyperkalemia (or who have conditions predisposing them to hyperkalemia), as a further rise in serum potassium concentration may produce cardiac arrest. Such conditions include: chronic renal failure, uncontrolled diabetes mellitus, acute dehydration, strenous physical exercise in unconditioned individuals, adrenal insufficiency, extensive tissue breakdown, or the administration of a potassium-sparing diuretic (such as trainsterens, psicronolactone or amilioride). Potassium Citrate tablet is chraindicated in patients in whom there is cause for arrest or delay in tablet passage through the gastrointestinal tract, such as those suffering from delayed gastric emptying, esophageal compression, intestinal obstruction or stricture or those taking anticholinergic medication. Because full suferogenic potential, Potassium Citrate tablet is contraindicated in patients with renal insufficiency (glomerular filitation rate of less than 0.7 mL/kg/min), because of the danger of soft tissue calcification and increased risk for the development of hyperkalemia.

WARNINGS AND PRECAUTIONS

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Hyperkalemia, I patients with impaired mechanisms for excreting potassium, Potassium Citrate tablet administration can produce hyperkalemia and cardiac arrest. Potentially fatal hyperkalemia can develop rapidly and be asymptomatic. The use of Potassium Citrate tablet in patients with chronic reanl failure, or any other condition which impairs potassium-exerction such as severe myocardial damage or heart failure, should be avoided. Interaction with potassium-sparing diuretics: Concomitant administration of Potassium Citrate tablet and a potassium-sparing diuretics (such as triamteene, spironolaction or animizate) should be avoided, since the simultaneous administration of these agents can produce severe hyperkalemia. If there is severe womiting, abdominal pain or gastrointestinal bleeding, Potassium Citrate tablet should be disablety and the possibility of Dowel perforation or obstruction investigated.

Precautions: Physicians should consider reminding the patient of the following: To take cach dose without crushing, chewing or sucking the tablet, to take this medicine only as directed. This is especially important if the patient is also taking both diuretics and digitalis preparations; to check with physician if there is trouble swallowing tablets or if the tablet seems to stick in the throat; to check with the doctor at once if tarry stools or other evidence of gastrointestinal bleeding is noticed.

own whether Potassium Citrate can cause fetal harm when administered to a pregnant woman or can affect

PREGNANCY AND LACTATION:
Pregnancy Category C. It is not known whether Potassium Citrate can cause fetal harm when administered to a pregnant woman or can affect reproductive capacity.
Potassium Citrate should be given to a pregnant woman only if clearly needed.
The normal Potassium in content of human milk is about 13 miGpL; it is not known if Potassium Citrate has an effect on the potassium content of milk.
Exercise caution when Potassium citrate is administered to a breastfeeding woman.

Children: Safety and effectiveness in childre

ADVERSEDRUGREACTIONS:

ADVEALED WOUNDED (1003):
Some patients may develop minor gastrointestinal complaints during Potassium Citrate therapy, such as abdominal discomfort, vomiting, diarrhea, loose bowel movements or nausea. These symptoms are due to the initiation of the gastrointestinal tract, and may be alleviated by taking the dose with meals or snack, or by reducing the dosage. Patients may find intact matrics in feces.

OVERDOSE AND TREATMENT:

Overdosage with potassium salls may cause hyperkalemia and alkalosis, especially in the presence of renal disease. It is necessary to recognize that hyperkalemia is usually asymptomatic and may be manifested only by an increased serum potassium concentration and characteristic electrocardiographic changes (peaking Twaves, loss of Pwave, depression of S-T segment and prolongation of the QT interval). Late manifestations include muscle paralysis and cardiovascular collapse from cardiac arrest.

DRUGINTERACTIONS:

Concomitant administration of Potassium Citrate and a potassium-sparing diuretics (such as triamterene, spironolactone or amiloride) should be avoided, since the simultaneous administration of these agents can produce severe hyperkalemia.

Drugs, Devices, and Cosmetics Act prohibits disper

KEEP ALL MEDICINES OUT OF REACH OF CHILDREN.

ADVERSE DRUG REACTION REPORTING STATEMENT:
For suspected adverse drug reaction, report to the FDA: www.fda.gov.ph.
Seek medical attention immediately at the first sign of any adverse drug reaction.

STORAGE CONDITION: Store at temperatures not exceeding 30°C.

AVAILABILITY: Alu/Alu Blister P

rPackx 10's (Box of 30's).

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