

Fasten The Phosphate With,

LanumTM

Calcium Acetate Tablet 667 mg

Lanum-TM C

Calcium Carbonate Tablet 1250 mg

Lanum-TM Plus

Calcium Acetate- 435 mg/
Magnesium Carbonate- 235 mg

La Renon[®]

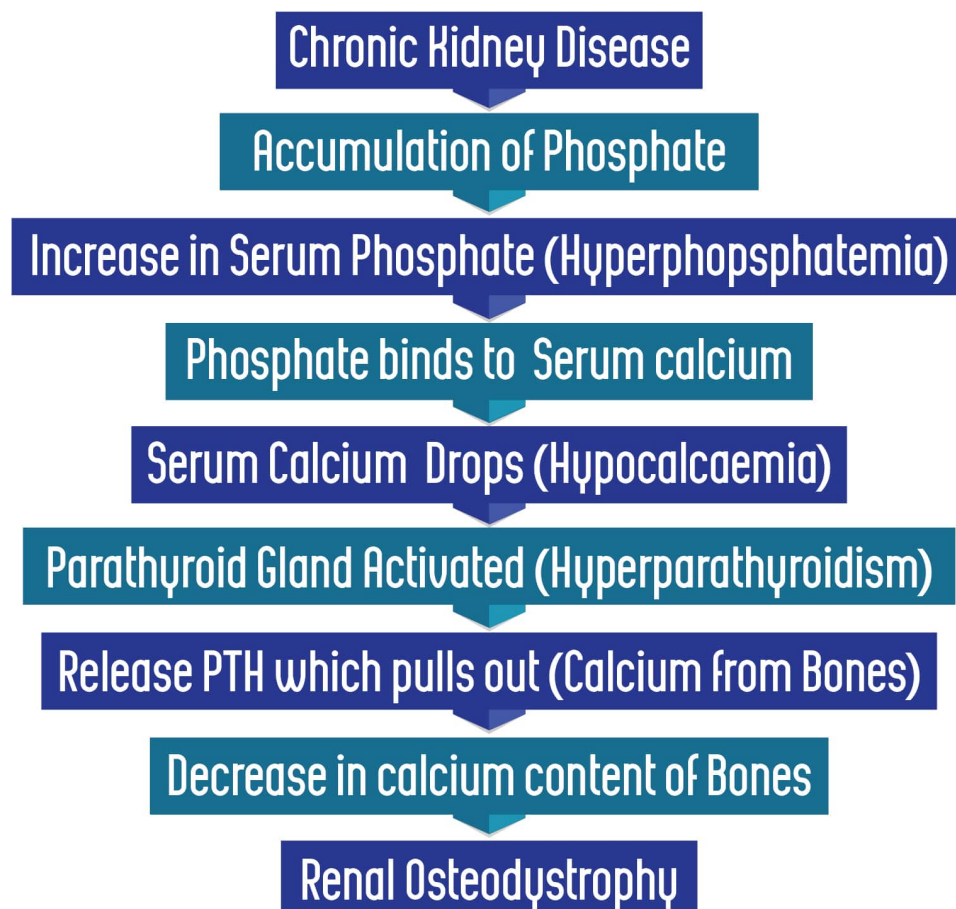


Management of Hyperphosphatemia in CKD through Phosphate binder:

The goal of phosphate-binder therapy is to maintain serum phosphorus levels within the range without negatively impacting nutritional status or causing serious side-effects. Thus, it is logical to initiate phosphate binder therapy when:

- 0 Serum phosphorus levels are elevated, even though the patient is compliant with a dietary phosphate restriction.
- 0 The serum phosphorus levels can be controlled by a dietary phosphate restriction only, but such dietary intervention hinders the intake of other critical nutrients.
- 0 Blood PTH levels remain elevated after dietary phosphate restriction, even if the serum phosphorus levels are not elevated.
- 0 Numerous combinations of binders may be used to control serum phosphorus levels to minimize the potentially serious side effects of any specific binder. Metallic Phosphate Binders (Calcium Carbonate, Calcium Acetate, Magnesium Salts) & Non - Metallic Phosphate Binders (Sevelamer Carbonate).

Pathophysiology of Hyperphosphatemia:





LanumTM

Calcium Acetate 667 mg Tablets

Description:

Calcium acetate is a chemical compound which is a calcium salt of acetic acid. It has the formula $\text{Ca}(\text{C}_2\text{H}_3\text{O}_2)_2$. It is used to control phosphate levels to keep them from getting too high in people with kidney failure. In hyperphosphatemia, calcium acetate binds with the phosphate in the blood and eliminates it as urine or stool.

Indication:

LANUMTM is indicated for the control of hyperphosphatemia in end stage renal failure and does not promote aluminum absorption.

Composition:

Each Film Coated tablet of LANUMTM contains 667 mg of Calcium Acetate.

Mechanism of Action:

LANUMTM when taken with meals, combines with dietary phosphate to form an insoluble calcium phosphate complex, which is excreted in the feces, resulting in decreased serum phosphorus concentration. 50 mEq of calcium acetate is said to bind 106 +/- 23 mg of phosphate.

Dosage:

The recommended initial dose of LANUMTM (calcium acetate tablet) for the adult dialysis patient is 2 tablets with each meal. The dosage may be increased gradually to bring the serum phosphate value below 6 mg/dl, as long as hypercalcemia does not develop. Most patients require 3-4 tablets with each meal.

Presentation:

LANUMTM is available as a strip of 10 tablets in Alu-PVDC blister Packing.

LanumTM-C

Calcium Carbonate Tablet 1250 mg

**Description:**

Calcium carbonate is a chemical compound with the formula CaCO_3 . It is a potent phosphate binder with the additional advantage of being free from aluminum/metal toxicity.

Indication:

LANUMTM-C is indicated to treat hyperphosphatemia. It may also be given to patients to increase their calcium level if so desired over and above its phosphate binding role.

Composition:

Each uncoated tablet contains Calcium Carbonate 1250mg.

Mechanism of Action:

As a phosphate binder LANUMTM-C combines with dietary phosphate to form an insoluble calcium phosphate complex, which is excreted in the feces, resulting in decreased serum phosphorus concentration.

Dosage:

As prescribed by a registered medical practitioner.

Presentation:

LANUMTM-C is available as a strip of 10 tablets in Alu-PVDC blister packing.



Lanum™ Plus

Calcium Acetate- 435 mg/ Magnesium Carbonate- 235 mg

Description:

Each LANUM™ – Plus tablet contains Calcium acetate - 453.00 mg eq. to 110 mg calcium & Magnesium carbonate 235.00 mg eq. to 60 mg of magnesium.

Indication:

LANUM™ – Plus is indicated for the treatment of hyperphosphatemia associated with chronic renal insufficiency in patients undergoing dialysis (haemodialysis, peritoneal dialysis).

Composition:

Each uncoated tablet contains Calcium acetate - 435 mg & Magnesium Carbonate -235 mg.

Mechanism of Action:

LANUM™ –Plus containing Calcium acetate and magnesium carbonate compounds bind phosphorus derived from food thereby forming indigestible phosphate salts in the intestine that are subsequently excreted with the feces. The aim of the therapy is to reach a normal serum phosphorus level, i.e. between 0.81 - 1.45 mmol/l (2.5 - 4.5 mg/dl).

Dosage:

3 to 10 tablets daily depending on serum phosphate level. The starting dose is 3 tablets daily. If necessary the dose may be increased to a maximum of 12 tablets daily. It should be taken only with a meal and should not be crushed or chewed.

Presentation:

LANUM™–Plus is available as a strip of 10 tablets in Alu-PVDC blister packing.



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