LACTATED RINGER

Solution

COMPOSITION: Each bag contains 6 mg/ml sodium chloride, 3 mg/ml sodium lactate, 0.4 mg/ml potassium chloride, 0.3 mg/ml calcium chloride dihydrate.

PHARMACOLOGICAL PROPERTIES: The product is a sterile, nonpyrogenic solution for fluid and electrolyte replenishment in single dose containers for intravenous administration. The product has value as a source of water and electrolytes. It is capable of inducing diuresis depending on the clinical condition of the patient.

INDICATIONS: Source of water and electrolytes. Regulation or maintenance of metabolic acidosis (except lactic acidosis)

CONTRAINDICATIONS: The solution is contraindicated in patients with extracellular hyperhydration or hypervolemia, severe renal insufficiency (with oliguria/anuria), uncompensated cardiac failure, hyperkalemia, hypernatremia, hypercalcaemia, hypercholesterolaemia, metabolic alkalosis, severe metabolic acidosis, lactic acidosis, severe hepatocellular insufficiency or impaired lactate metabolism, general edema and ascitic cirrhosis, concomitant digitalis therapy.

WARNINGS AND PRECAUTIONS: High volume infusion must be used under specific monitoring in patients with cardiac or pulmonary failure. The patient's clinical status and laboratory parameters (blood and urine electrolytes as well as acid-base balance) must be monitored during use of this solution. Solutions containing sodium chloride should be carefully administered to patients with hypertension, heart failure, peripheral or pulmonary edema impaired renal function, pre-eclampsia, aldosteronism, or other conditions associated with sodium retention. The solution containing lactate should be administered with particular care to neonates less than 3 months old.

SIDE EFFECTS/ADVERSE EFFECTS: Allergic reactions or anaphylactic/anaphylactoid symptoms, nasal congestion, coughing, sneezing, bronchoospasm and/or difficulty breathing, chest tightness, chest pain, with tachycardia or bradycardia, pruritus, hyperhydration and heart failure, electrolyte disturbances, anxiety, and few cases of panic attack.

DRUG INTERACTIONS: Corticoids/Steroids and carbamazepine which are associated with the retention of sodium and water, potassium-sparing diuretics, angiotensin converting enzyme inhibitors, tacrolimus, cyclosporin, digitalis glycosides, thiazide diuretics or vitamin D, bisphosphonates, fluoride, some fluoroquinolones and tetracyclines, salicylates, barbiturates and lithium, sympathomimetics.

DOSEAGE AND ADMINISTRATION: The dosage depends on the age, weight, clinical and biological (acid-base balance) conditions of the patient, and concomitant therapy. The recommended dosage is for adults: 500 ml to 3 liters/24h, for babies and children: 20 ml to 100 ml / kg / 24 h.

OVERDOSAGE: Overuse or too fast administration may lead to water and sodium overload with a risk of edema, particularly when there is a defective renal sodium excretion. In this case extra renal dialysis may be necessary.

STORAGE CONDITIONS: Do not store above 25°C.

AVAILABLE FORMS: 100 ml, 150 ml, 250 ml, 500 ml, 1000 ml and 2000 ml PVC/PP bags; 500 ml and 1000 ml glass bottles
