RINGER

Solution

COMPOSITION: Each bag contains 8.6 mg/ml sodium chloride, 0.3 mg/ml potassium chloride, 0.33 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: Replace extracellular fluid losses. Restore the sodium, potassium, calcium and chloride balances, for treatment of isotonic dehydration.

CONTRAINdications: The solution is contraindicated in patients with extracellular hyperhydration or hypervolemia, severe renal insufficiency (with oliguria/anuria), uncompensated cardiac failure, hyperkalemia, hypernatremia, hypercalcaemia, hypercholesterolemia, metabolic alkalosis, 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. 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. Solutions containing potassium salts should be administered with caution to patients with cardiac disease, or conditions predisposing to hyperkalemia such as renal or adrenocortical insufficiency, acute dehydration, or extensive tissue destruction as occurs with severe burns.

SIDE EFFECTS/ADVERSE EFFECTS: Hyperhydration and heart failure in patients with cardiac disorder or pulmonary oedema. Electrolyte disturbances.

DRUG INTERACTIONS: Corticoids/Steroïds and carbogenolone which are associated with the retention of sodium and water, potassium-sparing diuretics, angiotensin converting enzyme inhibitors, tacrolimus, cyclosporin, digitals glycosides, thiazide diuretics or vitamin U.

DOSEAGE AND ADMINISTRATION: The dosage depends on the age, weight, clinical and biological 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 oedema, 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: 500 ml and 1000 ml PVC/PP bags, 500 ml and 1000 ml glass bottles
