

## Fluid Excess Hyponatremia

## **Mannitol (Osmitol)**

### **Manatee**

Patients with fluid excess, especially exhibiting signs of increased intracranial pressure, are given Mannitol (Osmitol), an osmotic diuretic that causes excretion of only free water. This medication decreases fluid volume and results in increased osmolarity of the plasma.

## **Fluid Restriction**

### **Fluids with Restrictive-belts**

Patients presenting in a non-acute (<48 hours) asymptomatic presentation with findings of hypervolemic hyponatremia may be placed on a fluid restriction and need their underlying condition addressed. Patients with psychogenic polydipsia are often given this treatment. Acutely hyponatremic patients with serum sodium <130 mEq/L who are asymptomatic are usually treated with a 50 mL bolus of 3 percent saline (i.e., hypertonic saline) to prevent the serum sodium from falling further. However, do not give hypertonic saline if the hyponatremia is already autocorrecting due to a water diuresis. Autocorrection can be suspected if the cause of hyponatremia has been reversed, urine output has increased, and urine is dilute. <br>

## **Fluid Deficit Hyponatremia**

### **Hypertonic Solution (3% or 5% NaCl)**

#### **Hiker-tonic**

Patients with fluid deficit hyponatremia will often be given a small volume of hypertonic solution, such as 3% IV saline. These solutions increase the osmolarity of the plasma and shift fluid from the ICF to the ECF.