

MEDICATION REFERENCE LIST

MANNITOL (OSMITROL)

1. Classification: Osmotic diuretic
2. Physiologic Effect: The hypertonicity of Mannitol causes passive movement of water across lipid barriers in response to the osmotic gradient.
3. Major Indications:
 - 3.1. Acute Renal Failure
 - 3.2. Cerebral edema
 - 3.3. Ocular hypertension
4. Primary Contraindications:
 - 4.1. hypersensitivity
 - 4.2. history of heart failure
 - 4.3. decreased or absent production of urine due to severe kidney disease, certain severe lung problems (eg, pulmonary congestion or pulmonary edema), bleeding in the brain, or severe dehydration
5. Side Effects:
 - 5.1. Increased urination
 - 5.2. nausea
 - 5.3. runny nose
 - 5.4. vomiting
6. Additional information:
 - 6.1. The usual adult dosage ranges from 50 to 200 g in a 24-hour period, but in most instances an adequate response will be achieved at a dosage of approximately 100 g/24 hours. The rate of administration is usually adjusted to maintain a urine flow of at least 30 to 50 mL/hr.