

Seminole Community College
EMS 2605 – Paramedic III
Medication Handout #20
Mannitol / Dexamethasone / Meperidine / Vistaril

Name / Classification: Mannitol (Osmitol) Osmotic Diuretic

Indications: Cerebral Edema

Contraindications: Hypersensitivity, Pulmonary Edema, CHF, Organic CNS disease, Intracranial bleeding, shock, severe dehydration.

Side Effects: Headache, tremor, convulsions, dizziness, transient muscle rigidity, edema, CHF, angina-like pain, hypotension, hypertension, thrombophlebitis, blurred vision, dry mouth, nausea, vomiting, diuresis, urinary retention, nephrosis, fluid and electrolyte imbalance.

Dosage / Route:	Adult-	1.5 to 2.0 grams / kg slow IV
	Pediatric-	0.25 to 0.5 grams / kg over 60 minutes

Name/ Classification: Dexamethasone (Decadron) Steroid

Indications: To reduce the inflammatory processes in allergic reactions such as anaphylaxis, asthma, and COPD; to reduce cerebral / spinal cord edema.

Contraindications: No absolute contraindications in the emergency setting. Relative contraindications include acute infections, systemic fungal infections, tuberculosis, varicella, or vaccinia or live vaccine.

Precautions: Use with caution in stromal herpes simplex, keratitis, GI ulceration, renal disease, diabetes melitis, hypothyroidism, myasthenia gravis, CHF, cirrhosis, psychic disorders, seizures.

Side Effects: Euphoria, insomnia, convulsions, increased, ICP, vertigo, headache, psychic disturbances, CHF, hypertension, edema, menstrual irregularities, hyperglycemia, increased intraocular pressure, glaucoma, nausea, increased appetite, heartburn, weakness, loss of muscle mass, fractures,

Dosage / Route:	Adult-	4.0 to 24 mg IV/IM
	Pediatric-	0.5 to 1.0 mg/kg

Name / Classification: