

**Seminole Community College
Paramedic II
Medication Handout #14
D50 / Norepinephrine**

Name: Dextrose 50% in Water (D50) Carbohydrate

Description: Dextrose is a simple sugar that the body can rapidly metabolize to create energy.

Indications: Hypoglycemia

Contraindications: None in hypoglycemia.

Precautions: Increased ICP. Determine blood glucose level before administration. Ensure good venous access.

Dosage / Route: **Adult:** 25 gm / 50 mL IVP
 Pediatric: 2 mL / kg of a 25% solution (25 gm / 100 mL)

Name: Norepinephrine (Levophed) / Sympathomimetic Agent

Description: Naturally occurring catecholamine that is a potent alpha receptor agonist and vasoconstrictor. Causes a great increase in myocardial oxygen demand and will exacerbate myocardial ischemia. Norepinephrine causes vasoconstriction, cardiac stimulation, and increased blood pressure, myocardial oxygen demand, and coronary blood flow.

Indications: Refractory hypotension and neurogenic shock.

Contraindications: Hypotension due to hypovolemia.

Precautions: Hypertension, Hyperthyroidism, severe heart disease, elderly, MAO inhibitor therapy, patients receiving tricyclic antidepressants. Monitor blood pressure frequently and infuse the drug through the largest vein available as it may cause tissue necrosis.

Dosage / Route: **Adult:** 0.5 to 30 mcg / minute IV, titrated to BP
 Pediatric: 0.01 mcg / kg / minute (rarely used)