

DEXTROSE (D50%W)

Indications:

- Symptomatic Hypoglycemia
- Cardiac Arrest (Newly Born with heart rate < 60)
- Altered mentation with Glucose level < 60

Contraindications:

- None with symptomatic hypoglycemia.
- Use with caution in patients with suspected increased ICP.

Side Effects:

- Patients may complain of warmth, pain, or burning at the injection site.
- Extravasation causes necrosis.
- Infusing through larger vessels decreases the risk of necrosis

Class: Carbohydrate

Mechanism of Action: Principal form of glucose used by the body. Dextrose (aka. glucose) is one of the basic building blocks of all sugars. Glucose is a monomer and is therefore readily processed in the blood. Through glycolysis glucose is turned into pyruvate giving off a small amount of chemical energy (ATP). Pyruvate is further processed through the Citric Acid Cycle (Kreb's Cycle) yielding even more energy (GTP, FADH₂ and NADH) and CO₂.

Concentration: 25.0 grams/50.0 ml

Dosage: N/A