

50% DEXTROSE
(DEX-trohs)
D₅₀, D₅₀W

PHARMACOLOGIC CLASSIFICATION:

-carbohydrate

THERAPEUTIC CLASSIFICATION:

-hyperglycemic

MECHANISM OF ACTION:

-rapidly increases circulating blood sugar levels

INDICATIONS:

- suspected or known hypoglycemia
- coma of unknown origin
- altered LOC

CONTRAINDICATIONS:

- intracranial hemorrhage
- known CVA

SIDE EFFECTS:

- may cause severe neurologic symptoms in alcoholics
- may aggravate hypertension and CHF
- may cause tissue necrosis at the site if IV infiltrates

DOSAGE:

-25 grams slow IV push

SPECIAL INFORMATION:

- consider administration of Thiamine before D50, especially in known alcoholics, in order to avoid possible neurological consequences associated with Wernicke's encephalopathy (associated with thiamine deficiency)
- obtain blood glucose level, if possible, before administration