

For The Use of A Registered Medical Practitioner or A Hospital or A Laboratory

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Dextrose Injection I.P. 50% w/v

AMERICAN
DXT 50%
Injection

DESCRIPTION

Dextrose Injection I.P. 50% w/v is a sterile, non-pyrogenic solution of dextrose anhydrous in water for injection. It is classified as a carbohydrate and serves as a source of caloric energy.

PHARMACEUTICAL FORM

Solution for injection.

Clear, colourless to pale yellow, sterile solution for slow IV use.

Therapeutic Classification

Glucose-elevating agents (also known as antidiabetics) and is also classified as a parenteral fluid and nutrient replenisher or a carbohydrate calorie source.

Composition

Each ml contains:

Dextrose Anhydrous I.P.500 mg

Water for Injection I.P.Q.S.

INDICATIONS AND USAGE

Dextrose Injection IP 50% w/v is indicated in the treatment of insulin hypoglycemia (hyperinsulinemia or insulin shock) to restore blood Glucose levels.

The solution is also indicated, after dilution, for intravenous infusion as a source of carbohydrate calories in patients whose oral intake is restricted or inadequate to maintain nutritional requirements.

CONTRAINDICATIONS

- Severe dehydration
- Known allergy to corn or corn products

WARNINGS & PRECAUTIONS

Too rapid administration can lead to significant hyperglycemia (high blood sugar) and a hyperosmolar hyperglycemic state, potentially causing mental confusion, loss of consciousness, coma, and death.

Due to its high osmolarity, Dextrose Injection IP 50% w/v can cause irritation, damage, and blood clots (phlebitis and thrombosis) at the injection site. It should be administered slowly into a large vein, preferably a central vein, when possible.

Closely monitor blood and urine Glucose levels, fluid balance, and serum electrolyte concentrations (especially potassium, phosphate, and sodium) during treatment.

POSSIBLE SIDE EFFECTS

- Pain, tenderness, swelling, redness, warmth, or irritation at the injection site
- Flushing
- Hyperglycemia

DRUG INTERACTIONS

Dextrose Injection IP 50% w/v has no severe, serious, or moderate drug interactions.

The primary interactions relate to the potential to affect glycemic and electrolyte balance, and physical incompatibilities when mixed in the same I.V. line.

OVER DOSE

An overdose of Dextrose Injection IP 50% w/v can cause hyperglycemia, which may lead to dehydration, hyperosmolar coma, and death if untreated. It can also lead to fluid and electrolyte imbalances, such as pulmonary edema and low potassium levels.

DOSAGE AND ADMINISTRATION

- Dextrose Injection IP 50% w/v is a hypertonic solution administered intravenously to help restore blood Glucose levels in cases of hypoglycemia.
- The dosage and administration are determined by factors such as age and condition, and it is important to administer slowly to minimize potential adverse effects.
- Do not self-administer.

PRESENTATION

25ml in glass Ampoule

STORAGE

Store in a cool, dry place at temperatures not exceeding 30°C.

Protect from light.

Do not freeze.

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