



REGIONAL PEDIATRIC PARENTERAL DRUG MONOGRAPH

GENERIC NAME

hydrocortisone

Effective Date: Jan14-2015

CLASSIFICATION

Steroid

OTHER NAMES

Solu-Cortef

PAGE

1 of 2

Revised Date:

ADMINISTRATION POLICY:

- IV bolus - May be administered by a nurse
- IV Infusion - May be administered by a nurse
- IM Injection - May be administered by a nurse
- Subcut - Not recommended

RECONSTITUTION/DILUTION/ADMINISTRATION:

Available as: 100 mg, 250 mg, 500 mg vial

- Reconstitution:**
- 100 mg:** Add 1.8 mL sterile water for injection.
Final volume: 2 mL. Final concentration: 50 mg/mL
 - 250 mg:** Add 1.8 mL sterile water for injection.
Final volume: 2 mL. Final concentration: 125 mg/mL
 - 500 mg:** Add 3.8 mL sterile water for injection.
Final volume: 4 mL. Final concentration: 125 mg/mL

IV bolus: administer undiluted over 1 to 3 minutes. Usually 50 mg/mL solution.

Intermittent: over 10 to 60 minutes. Usually 1 mg/mL solution.

IV infusion: dilute in compatible IV solution

IM injection: administer undiluted.

DOSAGE:

Asthma:

- IV Initial: 4 to 8 mg/kg x 1 dose (maximum 500 mg)
- Maintenance: 8 mg/kg/24 hours divided every 6 hours

Acute adrenal insufficiency:

- IV,IM Initial: 1 to 2 mg/kg/dose
- Maintenance: 25 to 250 mg/24 hours divided every 8 to 12 hours

Hypotension in neonate less than 72 hours of age:

- IV, IM,UVC Initial: 2 mg/kg/dose
- Maintenance 1 mg/kg/dose every 4 hours as needed until desired blood pressure achieved

Renal Impairment: no adjustment necessary

Hepatic Impairment: no adjustment necessary

Obesity: no data

Maximum concentration: IV,IM 125mg/mL



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STABILITY/COMPATIBILITY:

Stability of Final Admixture: 24 hours at room temperature

Compatibility: Compatible with normal saline, D5W, D10W, dextrose-saline combinations, Ringer Lactate

POTENTIAL HAZARDS:

- Hypersensitivity: (rare) itching, rash, bronchospasm
- CV: hypertension, fluid and electrolyte shifts
- Endo: pituitary-adrenal axis suppression, growth retardation
- GI: GI upset, nausea, diarrhea, hemorrhage
- Metab: hyperglycemia, cushingoid appearance
- Neuro: muscle weakness, headache, mood changes, depression
- Local: rash, acne, pain at IV site
- Other: increased susceptibility to infection

CAUTION:

- hypertension, seizure disorders

CONTRAINDICATIONS:

- peptic ulcer disease
- hypersensitivity to hydrocortisone or other component of the product