



REGIONAL ADULT PARENTERAL DRUG MONOGRAPH

GENERIC NAME
ranitidine

Effective Date: Dec 2012

Revised Date: Nov13-2013

CLASSIFICATION
Histamine (H₂) receptor antagonist

OTHER NAMES
Zantac

PAGE
1 of 1

ADMINISTRATION POLICY:

IV Intermittent - May be administered by a nurse
 IV Bolus - May be administered by a nurse
 Subcutaneous - May be administered by a nurse

RECONSTITUTION/DILUTION/ADMINISTRATION:

Available as: 25 mg/mL – 2 mL vials

IV Bolus: Dilute 50 mg dose in 20 mL normal saline and administer over at least 5 minutes

IV Intermittent: Dilute in 50 mL normal saline and administer over 15 to 30 minutes

Maximum rate: over at least 5 minutes

Maximum concentration: 2.5 mg/mL (for 50 mg dose, minimum volume for dilution = 20 mL)

DOSAGE:

Usual: 50 mg IV/IM every 6 to 8 hours (frequency of administration may be increased by Zollinger-Ellison syndrome)

Maximum single dose: 50 mg

Maximum daily dose: 400 mg

STABILITY/COMPATIBILITY:

Stability of Final Admixture: 24 hours at room temperature

Compatibility: Compatible with normal saline, D5W, dextrose-saline combinations, and Lactated Ringer

PRECAUTIONS, POTENTIAL ADVERSE REACTIONS:

- Itching and burning at the injection site
- Headache, nausea, bradycardia, hypotension; usually associated with too rapid IV injection
- Rash, hypersensitivity reactions

ADDITIONAL NOTES AND NURSING CONSIDERATIONS:

- Administration of this drug via subcutaneous route is not an approved route but is common practice in Palliative Care
- Elderly patients: Adjust dose for decreased renal function.