

OCTREOTIDE: DOSE AND DILUTION

in Gastroesophageal Variceal Hemorrhage

DRUG DOSAGES IN ADULT¹

Acute gastroesophageal acute variceal hemorrhage: Initial: 50 mcg bolus, followed by continuous infusion of 50 mcg/hour for 2 to 5 days; may repeat bolus in first hour if hemorrhage is not controlled

DILUTION AND ADMINISTRATION

IV ADMINISTRATION²:

Strength available for Octreotide IR (Sandostatin®)

0.05 mg/ml (50 mcg/ml)

0.1 mg/ml (100 mcg/ml)

IV Push: over 3 minutes

Maximum concentration after dilution for IV infusion: 8.3 mcg/ml

Diluent: NS (preferred), D5W

Dilution suggestion for cont. IV infusion:

If doctor ordered 25 mcg/hr

Dilute 250 mcg in 50 cc NS (5mcg/ml) → Run 5 ml/hr

If doctor ordered 50 mcg/hr

Dilute 400 mcg in 50 cc NS (8 mcg/ml) → Run 6.25 ml/hr~ 6.3 ml/hr

1) Lexicomp. (n.d.). Octreotide: Drug information. UpToDate. Retrieved Dec 28th, 2021, from

<https://www.uptodate.com/contents/octreotide-drug-information>

2) Sandostatin [package insert]. Novartis Pharma AG, Basel, Switzerland .; 2020.

IR Immediate release
D5W Dextrose 5% in water
NS Normal saline
IV Intravenous

Prepared by : Nur Aida Murni Mamamad
Siti Hannan Syabirah Abdul Hakim
Syahira Afiqah Mohamad Pauzi
Edited by : Khairul Bariah Johan @Rahmat