

SBAR: Hydromorphone Drip – New Concentration

Date Sent: 4/15/2020

Sent via email to: Inpatient Pharmacists

Sent by: Darrel Hughes, PharmD, FCCP, BCPS

S: Fentanyl drips are on backorder. The estimated release date for more supply is currently unknown. Hydromorphone drips are the preferred next line sedative analgesic drip. Fentanyl for injection for IV Push doses are still available at this time.

B: Standard concentration for adult hydromorphone drips used to be 50 mg/50 mL (1 mg/mL); however, Baxter Pumps limit the ability to deliver doses < 0.5 mg either as a bolus or via continuous infusion. While continuous infusions < 0.5 mg/hr are unusual, boluses of < 0.5 mg are standard practice.

A: In order to accommodate lower bolus dosing from hydromorphone drips using the Baxter Pumps, we are updating our standard adult hydromorphone drip to **50 mg/100 mL** (0.5 mg/mL). This change is set to go live at **1000 on Thursday, April 16, 2020**. Sunrise order, Baxter Pump Library, and Pyxis entries will all be updated accordingly.

R: At the time of go-live on Thursday, April 16, 2020, for ACTIVE orders in Sunrise, the pharmacist will need to coordinate with provider and nursing teams, discontinue the ACTIVE order, and enter a new order with the new entry. Standard dosing and titration of hydromorphone drips are now included in the updated electronic medical record hydromorphone drip order in the administration instructions. Updates to the Adult Weight-based Analgesics & Sedative Protocol for the Mechanically Ventilated Patient or STICU Analgesia & Sedation Protocol for Mechanically Ventilated Patients are pending.

New Hydromorphone Drip Label

	UNIVERSITY HOSPITAL PHARMACY STERILE COMPOUNDING AREA 210-7434047 MRN 16594665 VN000005853 04-15-20	UHS - Floor 13 MRN 16594665 VN000005853 UHSTEST, Adderall KBMA RPH: _____	04-15-20
UHS - Floor 13 (T# 000) UHS - Floor 13 UHSTEST, Adderall KBMA HYDRomorphone in NS premixed diluent	50 mg 100 mL Total Volume: 100 mL	UHSTEST, Adderall KBMA 100 mL HYDRomorphone in NS 50 mg / 100 mL Bag 100 mL premixed diluent 1.0 mg/mL Solution	MRN 16594665 ORD# M0010K846M 04-15-20
May titrate rate by 0.2-0.4 mg/hr every 10 minutes to achieve target pain score < 4 or VAS < 4. May bolus 0.4 mg every 10 minutes to achieve target pain score < 4. Call provider for rate > 3 mg/hr and pain score > 4. (sew/RP) Conc = 0.5 mg/mL			
Route: Intravenous INFUSE AT: 1 mL / hour REQ: 04/15/2020 0823 DATE / TIME MADE: _____ PREPARED BY: _____ MIXED BY: _____ CHECKED BY: _____ P1 of 2	<Continuous> EXPIRES: 04/16/2020 0823	HYDRomorphone in NS 50 mg premixed diluent 100 mL UHS - Floor 13 UHSTEST, Adderall KBMA EXPIRES: 04/16/2020 0823 MIXED BY: _____ CHECKED BY: _____	 MRN: 16594665 ORD# M0010K846M



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