





THE UNIVERSITY  
OF KANSAS HOSPITAL  
**KUMED**

3901 Rainbow Boulevard  
Kansas City, Kansas 66160

Do not write in this box

PATIENT LABEL

**PHYSICIAN'S ORDER FORM**

DATE & TIME	#	<b>PEDIATRIC ORDERS</b> <b>INTRAVENOUS PATIENT CONTROLLED ANALGESIA WITH OPIOIDS (IV PCA)</b> weight in kg _____
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**Suggested Dosing Regimens: Usual Dosage Rates**

	Morphine 1 mg/mL	Fentanyl 10 mcg/mL	Hydromorphone 0.2 mg/mL
<b>PCA Dose:</b> (Patient Demand Dose)	0.01 - 0.02 mg/kg (0.01 - 0.02 mL/kg)	0.1 - 0.5 mcg/kg (0.01 - 0.05 mL/kg)	0.004 mg/kg (0.02 mL/kg)
<b>Delay:</b> (Lockout)	8 - 15 minutes	6 - 15 minutes	8 - 15 minutes
<b>Basal Rate:</b> (Continuous Rate)	0.05 mg/kg/hour (0.05 mL/kg/hour)	0.5 - 1 mcg/kg/hour (0.05 - 0.1 mL/kg/hour)	0.005 mg/kg/hour (0.025 mL/kg/hour)
<b>One Hour Limit:</b>	0.1 - 0.15 mg/kg/hour (0.1 - 0.15 mL/kg/hour)	1 - 4 mcg/kg/hour (0.1 - 0.4 mL/kg/hour)	0.015 - 0.02 mg/kg/hour (0.075 - 0.1 mL/kg/hour)
<b>Bolus Dose:</b> (Loading Dose)	0.05 mg/kg (0.05 mL/kg)	0.5 - 1 mcg/kg (0.05 - 0.1 mL/kg)	0.005 mg/kg (0.025 mL/kg)

9. **PCA Opioid: (CHECK ONE)**  
 Morphine 1 mg/mL  
 Fentanyl 10 mcg/mL  
 Hydromorphone 0.2 mg/mL
10. **PCA Dose:** \_\_\_\_\_ mLs per (Patient Demand Dose)
11. **PCA Delay:** \_\_\_\_\_ minutes (Lock Out Interval)
12. **PCA Basal Rate:** \_\_\_\_\_ mL/hour (Continuous Rate)
13. **PCA 1 Hour Limit:** \_\_\_\_\_ mL (=Basal Rate + (PCA Dose x 60 min/PCA Delay))
14. **PCA Initial Bolus:** \_\_\_\_\_ mL Loading Dose
15. If pain not adequately controlled:  
 1<sup>st</sup> May give additional bolus dose of \_\_\_\_\_ mLs for moderate to severe pain (pain rating 5/10 or greater).  
 2<sup>nd</sup> Reassess in 15 min, may repeat bolus x 1 if pain not adequately controlled.  
 3<sup>rd</sup> If still no improvement in pain, check PCA pump to ensure proper function and appropriate utilization.  
 4<sup>th</sup> If pain still not adequately controlled, contact managing service.

Physician Signature: \_\_\_\_\_ Pager: \_\_\_\_\_

**INTRAVENOUS PATIENT CONTROLLED ANALGESIA WITH OPIOIDS (IV PCA)**

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