UMC Health System

PICU SEDATION AND PAIN MED PLAN

Patient Label Here

PHYSICIAN ORDERS

Diagnosis _____

Weight _____ **Allergies** _____

Place an "X" in the Orders column to designate orders of choice AND an "x" in the specific order detail box(es) where applicable.

ORDER	ORDER DETAILS
	IV Solutions
	NS ☐ IV, mL/hr
	Medications
	Medication sentences are per dose. You will need to calculate a total daily dose if needed.
	Initial Dose
	Analgesia **morphine (morphine pediatric)** ☐ 0.1 mg/kg, IVPush, inj, ONE TIME Maximum recommended dose is 4 mg. ☐ 0.2 mg/kg, IVPush, inj, ONE TIME Maximum recommended dose is 4 mg. ☐ 2 mg, IVPush, inj, ONE TIME, For patients GREATER than 50 kg
	fentaNYL (fentaNYL pediatric) ☐ 0.5 mcg/kg, IVPush, inj, ONE TIME ☐ 1 mcg/kg, IVPush, inj, ONE TIME ☐ 25 mcg, IVPush, inj, ONE TIME, For patiens GREATER than 50 kg ☐ 50 mcg, IVPush, inj, ONE TIME, For patiens GREATER than 50 kg
	Sedation **midazolam (midazolam pediatric)** ☐ 0.05 mg/kg, IVPush, inj, ONE TIME Maximum recommended dose is 4 mg. ***Sedative medications should only be given after pain is adequately controlled.*** ☐ 0.1 mg/kg, IVPush, inj, ONE TIME Maximum recommended dose is 4 mg. ***Sedative medications should only be given after pain is adequately controlled.*** ☐ 2 mg, IVPush, inj, ONE TIME, For patients GREATER than 40 kg
	PENTobarbital (PENTobarbital pediatric) ☐ 1 mg/kg, IVPush, inj, ONE TIME ***Sedative medications should only be given after pain is adequately controlled.***
	propofol ☐ 1 mg/kg, IVPush, inj, ONE TIME ***Sedative medications should only be given after pain is adequately controlled.***
	ketamine (ketamine pediatric) ☐ 0.5 mg/kg, IVPush, inj, ONE TIME ***Sedative medications should only be given after pain is adequately controlled.*** ☐ 1 mg/kg, IVPush, inj, ONE TIME ***Sedative medications should only be given after pain is adequately controlled.***
	Intermittent Dose
	Analgesia

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ORDER	ORDER DETAILS
	morphine (morphine pediatric) ☐ 0.05 mg/kg, IVPush, inj, q2h, PRN pain−with sedation (scale 4−10) Maximum recommended dose is 4 mg. ☐ 0.1 mg/kg, IVPush, inj, q2h, PRN pain−with sedation (scale 4−10) Maximum recommended dose is 4 mg. ☐ 2 mg, IVPush, inj, q2h, PRN pain−with sedation (scale 4−10), For patients GREATER than 50 kg
	fentaNYL (fentaNYL pediatric) ☐ 0.5 mcg/kg, IVPush, inj, q1h, PRN pain−with sedation (scale 4−10) ☐ 1 mcg/kg, IVPush, inj, q1h, PRN pain−with sedation (scale 4−10) ☐ 25 mcg, IVPush, inj, q1h, PRN pain−with sedation (scale 4−10), For patients GREATER than 50 kg ☐ 50 mcg, IVPush, inj, q1h, PRN pain−with sedation (scale 4−10), For patients GREATER than 50 kg
	Sedation **midazolam (midazolam pediatric)** ☐ 0.025 mg/kg, IVPush, inj, q1h, sedation Maximum recommended dose is 4 mg. ***Sedative medications should only be given after pain is adequately controlled.*** ☐ 0.05 mg/kg, IVPush, inj, q1h, sedation Maximum recommended dose is 4 mg. ***Sedative medications should only be given after pain is adequately controlled.*** ☐ 2 mg, IVPush, inj, q1h, PRN sedation, For patients GREATER than 40 kg
	PENTobarbital (PENTobarbital pediatric) ☐ 1 mg/kg, IVPush, inj, q1h, PRN sedation ***Sedative medications should only be given after pain is adequately controlled.***
	propofol ☐ 0.5 mg/kg, IVPush, inj, q1h, PRN sedation ***Sedative medications should only be given after pain is adequately controlled.*** ☐ 1 mg/kg, IVPush, inj, q1h, PRN sedation ***Sedative medications should only be given after pain is adequately controlled.***
	ketamine (ketamine pediatric) ☐ 0.5 mg/kg, IVPush, inj, q1h, PRN sedation ***Sedative medications should only be given after pain is adequately controlled.*** ☐ 1 mg/kg, IVPush, inj, q1h, PRN sedation ***Sedative medications should only be given after pain is adequately controlled.***
	Titratable Continuous Infusions
	Notify Provider (Misc) ☐ Reason: Contact provider if a titratable drip is increased by 1/2 of the maximum rate in a 4 hour period.
	Analgesia LESS than 40 kg: **fentaNYL 250 mcg/25 mL NS (PICU) − Titra (fentaNYL 250 mcg/25 mL NS (PICU) − Titratable)** ☐ Start at rate:_____mcg/kg/hr ☐ IVsyr, Max titration: 0.5 mcg/kg/hr every 10 minutes, Max dose: 3 mcg/kg/hr Final concentration = 10 mcg/mL.

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ORDER	ORDER DETAILS
	morphine 30 mg/30 mL NS (PICU) − Titrata (morphine 30 mg/30 mL NS (PICU) − Titratable) ☐ Start at rate:_____mg/kg/hr ☐ IVsyr, Max titration: 0.01 mg/kg/hr every 30 minutes, Max dose: 0.04 mg/kg/hr Final concentration = 1 mg/mL (1,000 mcg/mL).
	GREATER than or EQUAL to 40 kg: **fentaNYL 1000 mcg/100 mL NS − Titratable** ☐ Start at rate:_____mcg/hr ☐ IV, Max titration: 25 mcg/hr every 10 minutes, Max dose: 150 mcg/hr Final concentration = 10 mcg/mL.
	morphine 100 mg/100 mL NS − Titratable ☐ Start at rate:_____mg/hr ☐ IV, Max titration: 0.5 mg/hr every 30 minutes, Max dose: 4 mg/hr Final concentration = 1 mg/mL (1,000 mcg/mL).
	Sedation LESS than 20 kg: **midazolam 10 mg/20 mL NS (PICU)− Titrata (midazolam 10 mg/20 mL NS (PICU)− Titratable)** ☐ Start at rate:_____mg/kg/hr ☐ IVsyr, Max titration: 0.025 mg/kg/hr every 15 minutes, Max dose: 0.4 mg/kg/hr Final concentration = 0.5 mg/mL (500 mcg/mL). ***Sedative medications should only be given after pain is adequately controlled.***
	midazolam 50 mg/50 mL NS (PICU) − Titrat (midazolam 50 mg/50 mL NS (PICU) − Titratable) ☐ Start at rate:_____mg/kg/hr ☐ IVsyr, Max titration: 0.025 mg/kg/hr every 15 minutes, Max dose: 0.4 mg/kg/hr Final concentration = 1 mg/mL (1,000 mcg/mL). ***Sedative medications should only be given after pain is adequately controlled.***
	GREATER than or EQUAL to 20 kg: **midazolam 100 mg/100 mL NS (PICU) − Titr (midazolam 100 mg/100 mL NS (PICU) − Titratable)** ☐ IV, Max titration: 0.25 mg/hr every 15 minutes, Max dose: 4 mg/hr Final concentration = 1 mg/mL (1,000 mcg/mL). ***Sedative medications should only be given after pain is adequately controlled.*** ☐ Start at rate:_____mg/hr
	LESS than 40 kg: **propofol 1,000 mg/100 mL(PICU) − Titrata (propofol 1,000 mg/100 mL(PICU) − Titratable)** ☐ IV, x 36 hr, Max titration: 20 mcg/kg/min every 5 minutes, Max dose: 300 mcg/kg/min Final concentration = 10 mg/mL (10,000 mcg/mL). Administer through filter GREATER than or EQUAL to 5 microns. Maximum recommended infusion time is 24 hours. ***Sedative medications should only be given after pain is adequately controlled.*** Continued on next page....

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ORDER	ORDER DETAILS
	☐ Start at rate:_____mcg/kg/min
	GREATER than 40 kg: **propofol 1,000 mg/100 mL(PICU) − Titrata (propofol 1,000 mg/100 mL(PICU) − Titratable)** ☐ IV, x 36 hr, Max titration: 5 mcg/kg/min every 5 minutes, Max dose: 65 mcg/kg/min Final concentration = 10 mg/mL (10,000 mcg/mL). Administer through filter GREATER than or EQUAL to 5 microns. Maximum recommended infusion time is 24 hours. ***Sedative medications should only be given after pain is adequately controlled.*** ☐ Start at rate:_____mcg/kg/min
	Dosing for ALL weights: **dexmedetomidine 200 mcg/50 mL (PICU) − T (dexmedetomidine 200 mcg/50 mL (PICU) − Titratable)** ☐ Start at rate:_____mcg/kg/hr ☐ IVsyr, Max titration: 0.2 mcg/kg/hr every 30 minutes, Max dose: 0.7 mcg/kg/hr Final concentration = 4 mcg/mL. ***Sedative medications should only be given after pain is adequately controlled.***
	ketamine 250 mg/50 mL NS (PICU) − Titrat (ketamine 250 mg/50 mL NS (PICU) − Titratable) ☐ Start at rate:_____mcg/kg/min ☐ IVsyr, Max titration: 2.5 mcg/kg/min every 10 minutes, Max dose: 20 mcg/kg/min Final concentration 5 mg/mL (5,000 mcg/mL). ***Sedative medications should only be given after pain is adequately controlled.***
	Fixed Rate Continuous Infusions
	Analgesia LESS than 40 kg: **fentaNYL 250 mcg/25 mL NS (PICU) − Fixed (fentaNYL 250 mcg/25 mL NS (PICU) − Fixed Rate)** ☐ Start at rate:_____mcg/kg/hr ☐ IVsyr
	morphine 30 mg/30 mL NS (PICU) − Fixed R (morphine 30 mg/30 mL NS (PICU) − Fixed Rate) ☐ IVsyr Final concentration = 1 mg/mL (1,000 mcg/mL). Physician order REQUIRED for ALL rate changes. ☐ Start at rate:_____mg/kg/hr
	GREATER than or EQUAL to 40 kg: **fentaNYL 1000 mcg/100 mL NS − Fixed Rate** ☐ Start at rate:_____mcg/hr ☐ IV
	morphine 100 mg/100 mL NS − Fixed Rate ☐ Start at rate:_____mg/hr ☐ IV
	Sedation LESS than 20 kg: **midazolam 10 mg/20 mL NS (PICU) − Fixed (midazolam 10 mg/20 mL NS (PICU) − Fixed Rate)** ☐ Start at rate:_____mg/kg/hr ☐ IVsyr
	midazolam 50 mg/50 mL NS (PICU) − Fixed (midazolam 50 mg/50 mL NS (PICU) − Fixed Rate) ☐ Start at rate:_____mg/kg/hr ☐ IVsyr
	GREATER than or EQUAL to 20 kg:

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ORDER	ORDER DETAILS
	midazolam 100 mg/100 mL NS − Fixed Rate ☐ Start at rate:_____mg/hr ☐ IV
	LESS than 40 kg: **propofol 1,000 mg/100 mL(PICU) − Fixed R (propofol 1,000 mg/100 mL(PICU) − Fixed Rate)** ☐ Start at rate:_____mcg/kg/min ☐ IV, x 36 hr
	GREATER than 40 kg: **propofol 1,000 mg/100 mL(PICU) − Fixed R (propofol 1,000 mg/100 mL(PICU) − Fixed Rate)** ☐ Start at rate:_____mcg/kg/min ☐ IV, 36 hr
	Dosing for ALL weights: **dexmedetomidine 200 mcg/50 mL (PICU) − F (dexmedetomidine 200 mcg/50 mL (PICU) − Fixed Rate)** ☐ Start at rate:_____mcg/kg/hr ☐ IVsyr
	ketamine 250 mg/50 mL NS (PICU) − Fixed (ketamine 250 mg/50 mL NS (PICU) − Fixed Rate) ☐ Start at rate:_____mcg/kg/min ☐ IVsyr
	PENTobarbital 250 mg/50 mL NS (PICU) − F (PENTobarbital 250 mg/50 mL NS (PICU) − Fixed Rate) ☐ Start at rate:_____mg/kg/hr ☐ IVsyr
	Laboratory
	If patient remains on propofol infusion after 48 hours monitor triglycerides now and every 3 days until propofol discontinued. **Triglycerides**
	Notify Provider (Misc) (Notify Provider of Results) ☐ Reason: Triglyceride Level greater than 400 mg/dL.

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