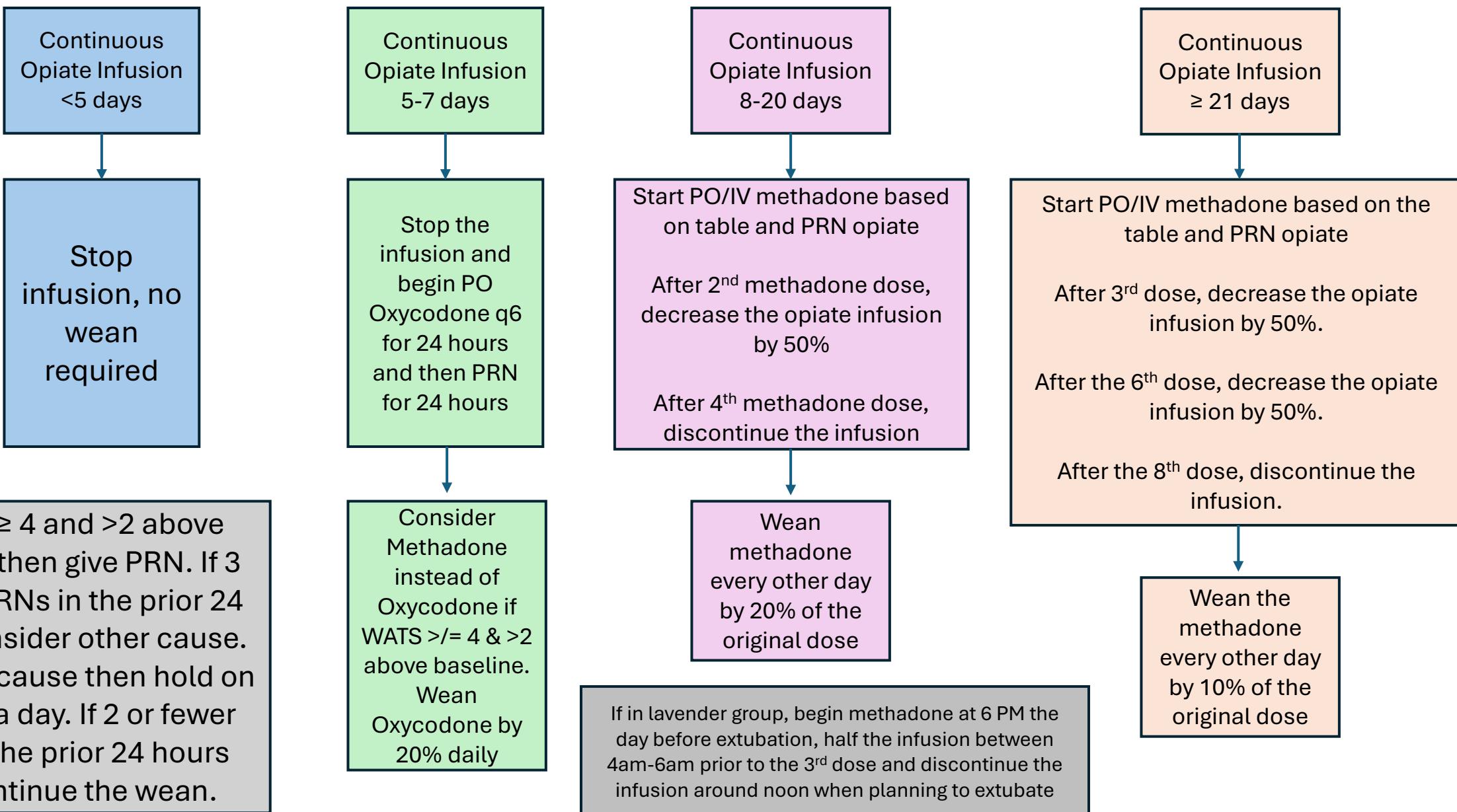


**Begin WAT-1 Scoring
24 hours prior to
beginning wean.

Opiate Wean Guideline

Obtain WAT-1 Scores
every 6 hours

Process Owners: Sarah Fleisher MD, Tracie Walker MD,
Lauren Walter PharmD
Updated April 3rd 2025

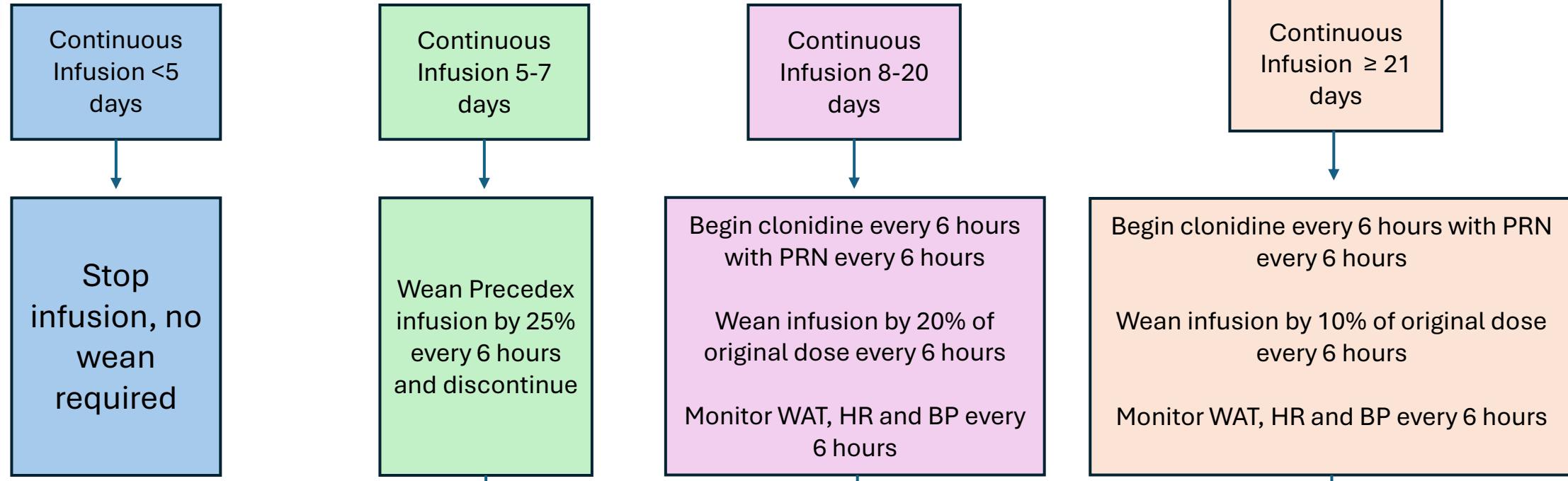


**Begin WAT-1 Scoring
24 hours prior to
beginning wean.

Precedex Wean Guideline

Obtain WAT-1 Scores
every 6 hours

Process Owners: Sarah Fleisher MD, Tracie Walker MD,
Lauren Walter PharmD
Updated April 3rd 2025



If WAT-1 ≥ 4 and >2 above baseline, then give PRN. If 3 or more PRNs in the prior 24 hours, consider other cause. If no other cause then hold on wean for a day. If 2 or fewer PRNs in the prior 24 hours then continue the wean.

** When weaning, alternate days for methadone wean and clonidine wean

**Begin WAT-1 Scoring
24 hours prior to
beginning wean.

Benzo Wean Guideline

Obtain WAT-1 Scores
every 6 hours

Process Owners: Sarah Fleisher MD, Tracie Walker MD,
Lauren Walter PharmD
Updated April 3rd 2025

Continuous
Infusion <5
days

Stop
infusion, no
wean
required,
monitor
WAT-1 scores
for 48 hours

Continuous
Infusion 5-7
days

Discontinue
infusion and
begin Diazepam
or Lorazepam
per chart for 24
hours then
transition to
PRN for 24
hours if WAT-1
scores
appropriate

Continuous
Infusion 8-20
days

Begin Diazepam or Lorazepam
per chart

Discontinue infusion after 2nd
dose

Monitor WAT, HR and BP every
6 hours

Continuous
Infusion \geq 21
days

Begin Diazepam or Lorazepam per chart

Discontinue infusion after 2nd dose

Monitor WAT, HR and BP every 6 hours

If WAT-1 \geq 4 and >2 above
baseline, then give PRN. If 3
or more PRNs in the prior 24
hours, consider other cause.
If no other cause then hold on
wean for a day. If 2 or fewer
PRNs in the prior 24 hours
then continue the wean.

Wean by 20% of
original dose
every other day

** When weaning, alternate days
for methadone wean and benzo
wean

- Obtain baseline WAT-1 scores 24 hours prior to beginning weaning sedation
- Methadone preferred for all patients without contraindications listed below and who can tolerate enteral medications.
- Contraindications to methadone/reasons to choose oxycodone: current kidney failure/injury, current hepatic dysfunction or current QT prolongation.
- There is no age minimum for methadone.
- All patients beginning methadone will receive a methadone load (every 6 hours for 4 doses) for the first 24 hours. Some patients will transition to BID dosing after the methadone load based on the charts
- PRN medications will continue for RASS while the patient is on a continuous opiate infusion but will also be given for WAT-1 scores ≥ 4 and >2 above baseline. Once off a continuous infusion, transition PRNs to be only for WAT-1 (and FLACC if indicated).
- While IV methadone is not available, then IV morphine will be preferred for patients who are unable to receive enteral medications.
- Wean opiate and clonidine on alternate days. If patient is on a benzodiazepine, then prioritize weaning the opiate and benzo on alternate days rather than the clonidine.

FENTANYL INFUSION

Stabilizing Infusion Rate	Recommended Scheduled Dosing					Recommended PRN Dosing		
	*PO/Tube Methadone (max initial = 10 mg/DOSE)	PO/Tube Oxycodone (max initial = 5 mg/DOSE)	^IV Morphine (max initial = 6 mg/DOSE)	IV Hydromorphone (max initial = 2 mg/DOSE)	PO/Tube Oxycodone	^IV Morphine	IV Hydromorphone	
Fentanyl 1 mcg/kg/hr	0.05 mg/kg every 6 hours x 4 doses then 0.05 mg/kg every 12 hours	0.05 mg/kg every 4 hours	0.1 mg/kg every 4 hours	0.015 mg/kg every 4 hours	0.05 mg/kg every 6 hours PRN	0.1 mg/kg every 6 hours PRN	0.015 mg/kg every 6 hour PRN	
Fentanyl 2 mcg/kg/hr	0.05 mg/kg every 6 hours x 4 doses then 0.1 mg/kg every 12 hours	0.1 mg/kg every 4 hours	0.2 mg/kg every 4 hours	0.03 mg/kg every 4 hours	0.1 mg/kg every 6 hours PRN	0.2mg/kg every 6 hours PRN	0.03 mg/kg every 6 hours PRN	
Fentanyl 3 mcg/kg/hr	0.075 mg/kg every 6 hours x 4 doses then 0.1 mg/kg every 8 hours	0.15 mg/kg every 4 hours	0.2 mg/kg every 3 hours	0.045 mg/kg every 4 hours	0.15 mg/kg every 6 hours PRN	0.2 mg/kg every 6 hours PRN	0.045 mg/kg every 6 hours PRN	
Fentanyl 4 mcg/kg/hr	0.1 mg/kg every 6 hours and continue	0.2 mg/kg every 4 hours	0.3 mg/kg every 3 hours	0.06 mg/kg every 4 hours	0.2 mg/kg every 6 hours PRN	0.3 mg/kg every 6 hours PRN	0.06 mg/kg every 6 hours PRN	
Fentanyl 5 mcg/kg/hr	0.15 mg/kg every 6 hours and continue	0.25 mg/kg every 4 horus	0.3 mg/kg every 3 hours	0.075 mg/kg every 4 hours	0.25 mg/kg every 6 hours PRN	0.3 mg/kg every 6 hour PRN	0.075 mg/kg every 6 hours PRN	

FENTANYL INFUSION

Stabilizing Infusion Rate	Recommended Scheduled Dosing					Recommended PRN Dosing		
	*PO/Tube Methadone	PO/Tube Oxycodone	^IV Morphine	IV Hydromorphone	PO/Tube Oxycodone	^IV Morphine	IV Hydromorphone	
Fentanyl 50 mcg/hr	2.5 mg every 6 hours x 4 doses then 5 mg every 12 hours	15 mg every 6 hours	5 mg every 4 hours	0.75 mg every 4 hours	15 mg every 6 hours PRN	5 mg every 6 hours PRN	0.75 mg every 6 hours PRN	
Fentanyl 100 mcg/hr	2.5 mg every 6 hours x 4 doses then 5 mg every 12 hours	20 mg every 4 hours	10 mg every 4 hours	1.5 mg every 4 hours	20 mg every 6 hours PRN	10 mg every 6 hours PRN	1.5 mg every 6 hours PRN	
Fentanyl 150 mcg/hr	2.5 mg every 6 hours x 4 doses then 7.5 mg every 12 hours	20 mg every 4 hours	10 mg every 4 hours	2-2.5 mg every 4 hours	20 mg every 6 hours PRN	10 mg every 6 hours PRN	2 mg every 6 hours PRN	
Fentanyl 200 mcg/hr	5 mg every 6 hours x 4 doses then 10 mg every 12 hours	20 mg every 4 hours	10 mg every 4 hours	3 mg every 4 hours	20 mg every 6 hours PRN	10 mg every 6 hours PRN	3 mg every 6 hours PRN	
Fentanyl 250 mcg/hr	5 mg every 6 hours x 4 doses then 10 mg every 12 hours	20 mg every 4 hours	10 mg every 4 hours	3.75 mg every 4 hours	20 mg every 6 hours PRN	10 mg every 6 hours PRN	3 mg every 6 hours PRN	

HYDROMORPHONE INFUSION

Stabilizing Infusion Rate	Recommended Scheduled Dosing			Recommended PRN Dosing		
	*PO/Tube Methadone (max initial = 10 mg/DOSE)	PO/Tube Oxycodone (max initial = 10 mg/DOSE)	^IV Morphine (max initial = 6 mg/DOSE)	PO/Tube Oxycodone	^IV Morphine	IV Hydromorphone
Hydromorphone 0.01 mg/kg/hr	0.05 mg/kg every 6 hours x 4 doses then 0.1 mg/kg every 12 hours	0.2 mg/kg every 4 hours	0.05 mg/kg every 3 hours	0.2 mg/kg every 6 hours PRN	0.05 mg/kg every 6 hours PRN	0.01 mg/kg every 6 hours PRN
Hydromorphone 0.015 mg/kg/hr	0.075 mg/kg every 6 hours x 4 doses then 0.1 mg/kg every 8 hours	0.3 mg/kg every 4 hours	0.08 mg/kg every 3 hours	0.3 mg/kg every 6 hours PRN	0.08 mg/kg every 6 hours PRN	0.015 mg/kg every 6 hours PRN
Hydromorphone 0.02 mg/kg/hr	0.075 mg/kg every 6 hours x 4 doses then 0.1 mg/kg every 8 hours	0.4 mg/kg every 4 hours	0.1 mg/kg every 3 hours	0.4 mg/kg every 6 hours PRN	0.1 mg/kg every 6 hours PRN	0.02 mg/kg every 6 hours PRN
Hydromorphone 0.025 mg/kg/hr	0.1 mg/kg every 6 hours then continue	0.5 mg/kg every 4 hours	0.13 mg/kg every 3 hours	0.5 mg/kg every 6 hours PRN	0.13 mg/kg every 6 hours PRN	0.025 mg/kg every 6 hours PRN
Hydromorphone 0.03 mg/kg/hr	0.1 mg/kg every 6 hours then continue	0.6 mg/kg every 4 hours	0.15 mg/kg every 3 hours	0.6 mg/kg every 6 hours PRN	0.15 mg/kg every 6 hours PRN	0.03 mg/kg every 6 hours PRN
Hydromorphone 0.035 mg/kg/hr	0.15 mg/kg every 6 hours then continue	0.7 mg/kg every 4 hours	0.18 mg/kg every 3 hours	0.7 mg/kg every 6 hours PRN	0.18 mg/kg every 6 hours PRN	0.035 mg/kg every 6 hours PRN
Hydromorphone 0.04 mg/kg/hr	0.15 mg/kg every 6 hours then continue	0.8 mg/kg every 4 hours	0.2 mg/kg every 3 hours	0.8 mg/kg every 6 hours PRN	0.2 mg/kg every 6 hours PRN	0.04 mg/kg every 6 hours PRN
Hydromorphone 0.045 mg/kg/hr	0.2 mg/kg every 6 hours then continue	0.9 mg/kg every 4 hours	0.23 mg/kg every 3 hours	0.9 mg/kg every 6 hours PRN	0.23 mg/kg every 6 hours PRN	0.045 mg/kg every 6 hours PRN
Hydromorphone 0.05 mg/kg/hr	0.2 mg/kg every 6 hours then continue	1 mg/kg every 4 hours	0.25 mg/kg every 3 hours	1 mg/kg/ every 6 hours PRN	0.25 mg/kg every 6 hours PRN	0.05 mg/kg every 6 hours PRN

HYDROMORPHONE INFUSION

Stabilizing Infusion Rate	Recommended Scheduled Dosing				Recommended PRN Dosing		
	*PO/Tube Methadone	PO/Tube Oxycodone	^IV Morphine	PO/Tube Oxycodone	^IV Morphine	IV Hydromorphone	
Hydromorphone 2 mg/hour	5 mg every 6 hours x 4 doses then 10 mg every 12 hours	10 mg every 4 hours	5 mg every 4 hours	10 mg every 6 hours PRN	5 mg every 6 hours PRN	2 mg every 6 hours PRN	
Hydromorphone 4 mg/hour	5 mg every 6 hours x 4 doses then 10 mg every 12 hours	10 mg every 4 hours	5 mg every 4 hours	10 mg every 6 hours PRN	5 mg every 6 hours PRN	4 mg every 6 hours PRN	
Hydromorphone 6 mg/hour	7.5 mg every 6 hours x 4 doses then 10 mg every 8 hours	15 mg every 4 hours	7.5 mg every 4 hours	15 mg every 6 hours PRN	7.5 mg every 6 hours PRN	6 mg every 6 hours PRN	
Hydromorphone 8 mg/hour	10 mg every 6 hours then continue	20 mg every 4 hours	10 mg every 4 hours	20 mg every 6 hours PRN	10 mg every 6 hours PRN	8 mg every 6 hours PRN	
Hydromorphone 10 mg/hour	10 mg every 6 hours then continue	20 mg every 4 hours	10 mg every 4 hours	20 mg every 6 hours PRN	10 mg every 6 hours PRN	10 mg every 6 hours PRN	

MIDAZOLAM INFUSION

Stabilizing Infusion Rate	Recommended Scheduled Dosing		Recommended PRN Dosing	
	IV/Enteral Diazepam	IV/Enteral Lorazepam	IV/Enteral Dizepam	IV/Enteral Lorazepam
Midazolam 0.05 mg/kg/hr	0.05 mg/kg every 12 hours	0.05 mg/kg every 6 hours	0.05 mg/kg every 6 hours PRN	0.05 mg/kg every 6 hours PRN
Midazolam 0.1 mg/kg/hr	0.05 mg/kg every 12 hours	0.05 mg/kg every 6 hours	0.05 mg/kg every 6 hours PRN	0.05 mg/kg every 6 hours PRN
Midazolam 0.15 mg/kg/hr	0.05 mg/kg every 8 hours	0.1 mg/kg every 6 hours	0.05 mg/kg every 6 hours PRN	0.1 mg/kg every 6 hours PRN
Midazolam 0.2 mg/kg/hr	0.05 mg/kg every 8 hours	0.1 mg/kg every 6 hours	0.05 mg/kg every 6 hours PRN	0.1 mg/kg every 6 hours PRN
Midazolam 0.25 mg/kg/hr	0.05 mg/kg every 6 hours	0.1 mg/kg every 4 hours	0.05 mg/kg every 6 hours PRN	0.1 mg/kg every 6 hours PRN
Midazolam 0.3 mg/kg/hr	0.05 mg/kg every 6 hours	0.1 mg/kg every 4 hours	0.05 mg/kg every 6 hours PRN	0.1 mg/kg every 6 hours PRN
Midazolam 0.35 mg/kg/hr	0.075 mg/kg every 6 hours	0.15 mg/kg every 4 hours	0.075 mg/kg every 6 hours PRN	0.15 mg/kg every 6 hours PRN
Midazolam 0.4 mg/kg/hr	0.1 mg/kg every 6 hours	0.15 mg/kg every 4 hours	0.1 mg/kg every 6 hours PRN	0.15 mg/kg every 6 hours PRN
Midazolam 0.45 mg/kg/hr	0.15 mg/kg every 6 hours	0.2 mg/kg every 4 hours	0.15 mg/kg every 6 hours PRN	0.2 mg/kg every 6 hours PRN
Midazolam 0.5 mg/kg/hr	0.2 mg/kg every 6 hours	0.2 mg/kg every 4 hours	0.2 mg/kg every 6 hours PRN	0.2 mg/kg every 6 hours PRN

MIDAZOLAM INFUSION

Stabilizing Infusion Rate	Recommended Scheduled Dosing		Recommended PRN Dosing	
	IV/Enteral Diazepam	IV/Enteral Lorazepam	IV/Enteral Dizepam	IV/Enteral Lorazepam
Midazolam 1 mg/hr	2.5 mg every 8 hours	1 mg every 8 hours	2.5 mg every 6 hours PRN	1 mg every 6 hours PRN
Midazolam 2 mg/hr	5 mg every 8 hours	1 mg every 8 hours	5 mg every 6 hours PRN	1 mg every 6 hours PRN
Midazolam 3 mg/hr	7.5 mg every 8 hours	2 mg every 8 hours	7.5 mg every 6 hours PRN	2 mg every 6 hours PRN
Midazolam 4 mg/hr	7.5 mg every 8 hours	2 mg every 8 hours	7.5 mg every 6 hours PRN	2 mg every 6 hours PRN
Midazolam 5 mg/hr	10 mg every 8 hours	2 mg every 6 hours	10 mg every 6 hours PRN	2 mg every 6 hours PRN
Midazolam 6 mg/hr	10 mg every 8 hours	2 mg every 6 hours	10 mg every 6 hours PRN	2 mg every 6 hours PRN
Midazolam 7 mg/hr	10 mg every 6 hours	4 mg every 6 hours	10 mg every 6 hours PRN	4 mg every 6 hours PRN
Midazolam 8 mg/hr	10 mg every 6 hours	4 mg every 6 hours	10 mg every 6 hours PRN	4 mg every 6 hours PRN

DEXMEDETOMIDINE INFUSION

Stabilizing Infusion Rate	Recommended Scheduled Clonidine PO/Tube Dosing	Recommended PRN Clonidine PO/Tube Dosing
Dexmedetomidine 0.6 mcg/kg/hr	0.5 mcg/kg every 8 hours	0.5 mcg/kg every 6 hours PRN
Dexmedetomidine 0.8 mcg/kg/hr	1 mcg/kg every 8 hours	1 mcg/kg every 6 hours PRN
Dexmedetomidine 1 mcg/kg/hr	1 mcg/kg every 8 hours	1 mcg/kg every 6 hours PRN
Dexmedetomidine 1.2 mcg/kg/hr	1 mcg/kg every 6 hours	1 mcg/kg every 6 hours PRN
Dexmedetomidine 1.4 mcg/kg/hr	1 mcg/kg every 6 hours	1 mcg/kg every 6 hours PRN
Dexmedetomidine 1.6 mcg/kg/hr	1.5 mcg/kg every 6 hours	1.5 mcg/kg every 6 hours PRN
Dexmedetomidine 1.8 mcg/kg/hr	2 mcg/kg every 6 hours	2 mcg/kg every 6 hours PRN
Dexmedetomidine 2 mcg/kg/hr	2 mcg/kg every 6 hours	2 mcg/kg every 6 hours PRN