

Form Title PCA Adult Standard Order Set

Form Number 21524Bond

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Select orders by placing a (\checkmark) in the associated box

Prior to utilizing this order set, ensure all previous opioid, sedatives and antiemetic orders are discontinued.

Vital Signs Protocol – PCA

☑ Vital Signs: Monitor every 1 hours x 4 hours, **then** every 2 hours x 8 hours **then** every 4 hours for duration of infusion.

☑ Pain Score: every 1 hours x 4 hours then every 2 hours x 8 hours, then every 4 hours for duration of infusion.

Patient Care Interventions

- ☑ Nursing Communication: Prior to starting PCA, review all previous analgesic, antiemetic, antipruritic and sedation orders with ordering service.
- □ In and Out catheter PRN for urinary retention

Respiratory Interventions

Oxygen Therapy Notes:

- For Acute Stroke and Acute Coronary Syndromes, don't apply supplemental oxygen unless SpO2 is under 90%
- For Acute Coronary Syndromes and known CO2 Retainers, use supplemental oxygen conservatively

Oxygen Therapy:

□ Titrate Oxygen to maintain Saturation range of 92% to 96%, including Pregnancy and Acute Stroke:

Oxygen Therapy: Known CO2 Retainer

□ Titrate Oxygen to maintain Saturation range of 88% to 92%

Oxygen Therapy: Acute Coronary Syndromes□ Titrate Oxygen to maintain Saturation range of 90% to 92%

High Flow, High Percentage Oxygen Therapy Required: For Example Carbon Monoxide Poisoning □ Treat with high flow, high percent oxygen, preferably 100% by partial non- rebreather mask

Blood Gas

Consider ABG if Patient:

- Is critically ill
- Shows signs of carbon dioxide retention (e.g. acute breathlessness or drowsiness, increased respiratory rate)
- Is at risk of metabolic conditions
- Unexpected or inappropriate drop below 94% SpO2 while patient is awake
- Increased breathlessness or drop of less than or equal to 3% SpO2 when patient with chronic hypoxemia was previously stable

□ Blood Gas Arterial

- □ Blood Gas Arterial POCT
- Blood Gas Venous
- \Box Blood Gas, Venous POCT

Prescriber Signature	Date (dd-Mon-yyyy)	Time (hh:mm)

Last Name (Legal)		Firs	t Nam	e (Legal)	
Preferred Name Last First			DOB	(dd-Mon-yyyy)	
PHN	ULI □ Same as PHN		s PHN	MRN	
Administrative Gender			se (X)	Female	



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□ Notify Attending Service for all problems and orders related to pain, sedation, nausea and vomiting, and pruritus.

OR

□ Notify Acute Pain Service for all problems and orders related to pain, sedation, nausea and vomiting, and pruritus.

□ Inpatient consult to Acute Pain Service/Pain Management

IV Maintenance

☑ Intravenous Cannula – Insert: Initiate IV

□ Saline lock IV

IV Fluid Infusions

□ lactated Ringers Infusion at _____ mL/hour □ sodium chloride 0.9% Infusion at _____ mL/hour

Medications

Choose One

Analgesics and A	Antipyretics - PCA Bolus Only (Standard) Options
	Suggest starting Hydromorphone PCA dose 0.2 mg with 6 min lockout and 6 mg four hour dose limit

HYDROmorphone PCA Bolus Only
HYDROmorphone 100 mg in NaCl 0.9% 100 mL (1 mg/mL) PCA infusion
PCA dose: mg □ 0.1 mg □ 0.2 mg □ 0.3 mg □ 0.4 mg
PCA Lockout: mins
Four hour dose limit mg

Suggest starting morphine PCA	dose 1 mg with	6 min lockout	t and 30 mg fo	ur hour dose limit
morphine PCA Bolus O	nly			

morphine 500 mg in NaCl 0.9% 100 mL (5 mg/mL) PCA bolus infusionPCA dose: _____ mg \Box 0.5 mg \Box 1 mg \Box 1.5 mg \Box 2 mgPCA Lockout: _____ mins \Box 10 mins \Box 8 mins \Box 6 minsFour hour dose limit _____ mg

Suggest starting fentanyl PCA dose 15 mcg with 6 min lockout fentaNYL PCA Bolus Only

		/				
fentaNYL 1,250 r	ncg in N	laCl 0.9	% 50 mL	. (25 mcg/n	nL) PCA bolu	is infusion
PCA dose:	mcg	🗆 10 r	ncg 🗆	15 mcg	□ 20 mcg	🗆 25 mcg
PCA Lockout:	mi	ns 🗆	10 mins	□ 8 mins	□ 6 mins	□ 5 mins
Four hour dose li	mit	mcg				

Prescriber Signature

Preferred Name Last First		DOB	(dd-Mon-yyyy)		
	PHN	ULI □ Same a	s PHN	MRN	
	Administrative Geno		se (X)	□ Female □ Unknown	

First Name (Legal)

Last Name (Legal)



PCA Adult	Standard	Order Set

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PHN	ULI □ Same as PHN		s PHN	MRN
Administrative Gender			se (X)	□ Female □ Unknown

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Medications

Analgesics and Antipyretics - Adjuvants

Recommend starting at low doses and/or increased time intervals for elderly and opioid naïve patients

Acetaminophen

Recommended standard dosing: 325 to 1000 mg.

(*if applicable*)

□ acetaminophen 650 mg PO every 6 hours. Maximum 4000 mg/day.
 □ acetaminophen tab 1000 mg, PO every 6 hours Maximum 4000 mg/day.

NSAIDs

Caution is advised if ordering NSAIDs on patients with indwelling neuraxial catheters who are also are receiving subcutaneous heparin

	□ celecoxib cap 200 mg, PO, BID
Choose One (if applicable)	<i>Recommended standard dose range: 200-600 mg</i> □ ibuprofen tab 400 mg, PO, every 6 hours Maximum 3200 mg/day.
	□ naproxen tab 500 mg PO BID with meals
	\Box diclofenac tab 50 mg PO BID with meals
	Recommended standard dosing 25 to 50 mg. Suggested maximum 200 mg/day. □ indomethacin 25 mg PO TID
	□ ketorolac 10 mg IV every 6 hours

Antipruritics – PRN

Naloxone recommended standard dose is 0.02 to 0.04 mg. □ naloxone 0.02 mg IV every 2 hours PRN for pruritus.

Nalbuphine may cause sedation and/or respiratory depression in the elderly (over the age of 60). Consider limiting the dose to 2.5 mg every three hours or use IV naloxone instead.

Diphenhydramine recommended standard dose is 10 to 50 mg. Maximum daily dose 400 mg. □ diphenhydrAMINE 25 mg IV every 4 hours PRN for pruritus.

Antiemetics – PRN

□ ondansetron 4 mg IV every 8 hours PRN for nausea & vomiting

□ haloperidol 0.5 to 1 mg IV every 4 hours PRN for nausea & vomiting. Maximum 6 mg/day.

□ metoclopramide 10 mg IV every 4 hours PRN for nausea & vomiting.

Dimenhydrinate recommended standard dose is 12.5 to 50 mg. Avoid use in elderly
□ dimenhyDRINATE _____ mg IV every 4 hours PRN for nausea & vomiting

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Bowel Management

Patient Care

□ Stool chart

□ Notify MRHP if patient has not had a bowel movement (BM) for 48 hours

□ Notify MRHP if diarrhea develops and hold bowel routine. *Consider seepage or overflow diarrhea may* occur with severe constipation

Medications - Laxatives

Goal is to maintain usual bowel habits and encourage adequate fluid intake. If no routine, aim for bowel movement daily/every other day.

Constipation Prevention

Select at least 1 prevention agent □ polyethylene glycol 3350 powder for oral solution 17 g PO daily

as long as fluid intake and hydration are adequate:

psyllium mucilloid powder, 1 packet PO daily
 sennosides 1-2 tabs PO at bedtime PRN for constipation

□ fruit laxative 1-3 tabs PO TID with meals PRN for constipation

Constipation Treatment – 1st line

To be given if no BM in the past 24 hours □ polyethylene glycol 3350 powder for oral solution 17 g PO daily PRN for constipation

Constipation Treatment – 2nd line

To be given if no BM in the past 48 hours □ polyethylene glycol 3350 powder for oral solution 17 g PO BID PRN for constipation

Constipation treatment – 3rd line

Select agent to be given if no BM in the past 48-72 hours

□ glycerin adult 1 supp RECTALLY daily PRN for constipation

- □ lactulose liquid 15-30 mL PO TID PRN for constipation
- □ tap water enema RECTALLY daily PRN for constipation, until adequate elimination if glycerin suppository ineffective after 24 hours
- □ sodium citrate– sodium lauryl sulfoacetate sorbitol enema ; 1 enema RECTALLY once PRN for constipation

Consults/Referrals

□ Inpatient Consult to Nutrition Services, for alternative fiber options

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Administrative Gender □ Male □Non-binary/Prefer not to disclose (X)			FemaleUnknown	



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Naloxone Protocol Adult

Notify

☑ Notify Most Responsible Health Practitioner (MRHP) when respiratory rate less than 8 per minute and Sedation Level 4.

Vital Signs

✓ Vital Signs: When respirations less than 8 per minute and sedation level 4 as per local Naloxone Protocol monitor pulse, respirations, oxygen saturation, pain score, sedation level, blood pressure every 5 minutes for 30 minutes and then every 15 minutes for one hour and then PRN.

Central Nervous System Agents

☑ naloxone 0.1 mg Direct IV every 3 minutes PRN for respiratory rate less than 8 per minute and sedation level 4. Maximum 4 doses. Give first dose STAT.

OR

☑ naloxone 0.2 mg SUBCUTANEOUSLY every 10 minutes PRN for respiratory rate less than 8 per minute and sedation level 4 AND No IV access. Maximum 4 doses. Give first dose STAT.

OR

☑ naloxone 0.2 mg intramuscularly (IM) every 10 minutes PRN for respiratory rate less than 8 per minute and sedation level 4 AND No IV access. Maximum 4 doses. Give first dose STAT.

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