



University Hospitals
of Liverpool
Group

Philips ICCA Training

PCAs and Local Anaesthesia infusion prescribing

Prescribing of PCAs, Epidurals and LACIs will be moving to within Philips ICCA

The planned go live date is Tuesday 28/04/2026

Prescriptions will remain on paper for the rest of the Trust so should be transcribed appropriately on admission and discharge from critical care/ ESRA (RLH)

Patient is admitted to critical care/ ESRA with an existing PCA or local anaesthetic infusion

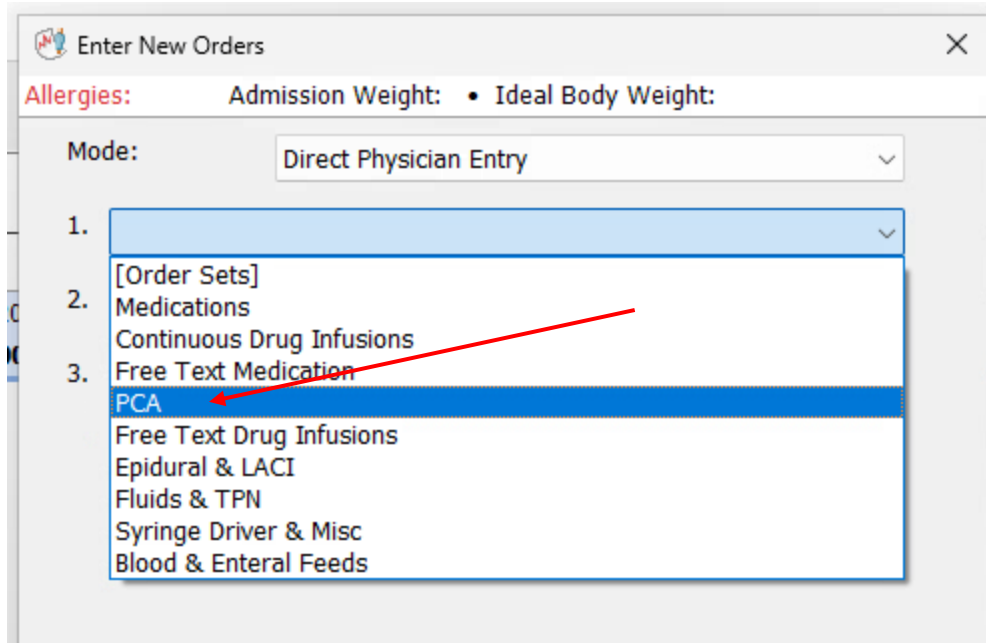
- Transcribe onto ICCA matching current paper prescription
- Discontinue existing paper chart (cross-through)

Patient is discharged from critical care/ ESRA to ward with a PCA or local anaesthetic infusion

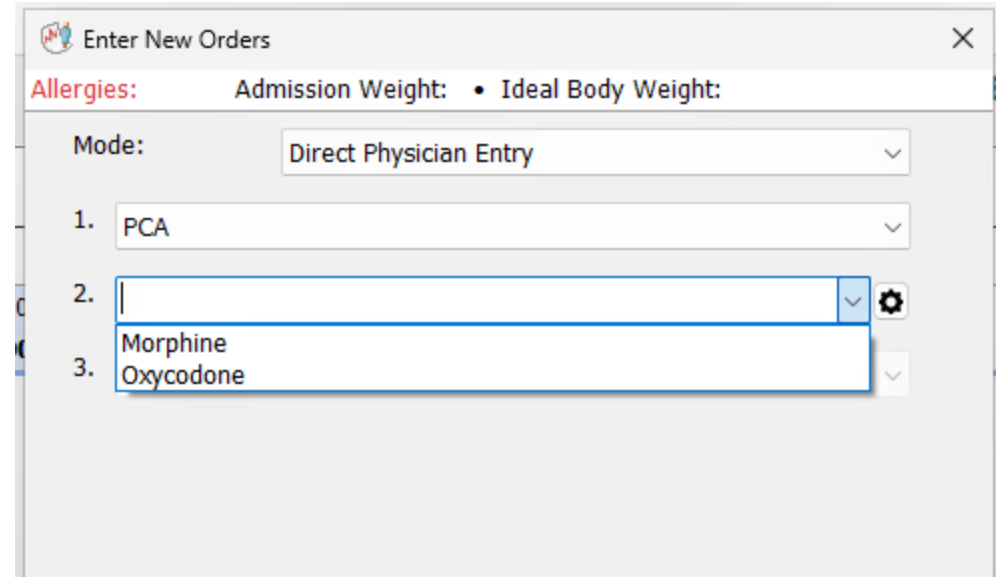
- Transcribe onto Trust paper chart. Use a new chart even if the patient has a previous paper chart

PCA Prescribing

To prescribe a PCA, select from drop down 1, then select the required drug from drop down 2



The screenshot shows the 'Enter New Orders' window. At the top, there are fields for 'Allergies:', 'Admission Weight:', and 'Ideal Body Weight:'. Below these is a 'Mode:' dropdown menu set to 'Direct Physician Entry'. The first dropdown menu (labeled '1.') is open, showing a list of options: '[Order Sets]', 'Medications', 'Continuous Drug Infusions', 'Free Text Medication', 'PCA' (highlighted in blue), 'Free Text Drug Infusions', 'Epidural & LACI', 'Fluids & TPN', 'Syringe Driver & Misc', and 'Blood & Enteral Feeds'. A red arrow points to the 'PCA' option.



The screenshot shows the 'Enter New Orders' window. The 'Mode:' dropdown menu is still set to 'Direct Physician Entry'. The first dropdown menu (labeled '1.') now contains the text 'PCA'. The second dropdown menu (labeled '2.') is open, showing a list of drug options: 'Morphine' and 'Oxycodone'. The 'Morphine' option is highlighted in blue.

PCA Prescribing

Once the drug has been selected, select the appropriate protocol from drop down 3

The screenshot shows a three-step configuration process for PCA prescribing. Step 1 is 'PCA', Step 2 is 'Morphine', and Step 3 is a dropdown menu with the following options: 'PCA DOUBLE - Morphine', 'PCA HALF - Morphine', 'PCA RENAL - Morphine', 'PCA STANDARD - Morphine', and 'PCA USER PROGRAMME - Morphine'. Below the dropdown is a table with the following fields:

Formulation	*	Morphine
Amount	*	
PCA Dose		
Additional Bolus		
Max Hourly Dose		
Rate (mg/hr)		

The prefilled options match what is currently printed on the Trust paper prescription chart

- Standard dose
- Half dose
- Renal dose
- Double dose
- User programme (RLH only)

PCA Prescribing

1. PCA
2. Morphine
3. PCA STANDARD - Morphine

PCA		
PCA Type	*	Standard
Additives	*	Morphine
Formulation	*	Morphine
Amount	*	50 mg
PCA Dose		1 mg
Additional Bolus		
Max Hourly Dose		
Rate (mg/hr)		
Rate (ml/hr)		
Lockout time		5 min
Base Soln	*	NaCl 0.9%
Base Volume	*	50 ml
Frequency	*	Continuous
Order Instructions		
Start		17/11/2025 14:25
Stop		
Other Instructions		
Professional Domain		Physician
Validation Result		
Pharmacist approval		

Add Another OK Cancel

Additional information can also be added where applicable

Additional nurse administered bolus dose

Max hourly dose (for nurse administered bolus)

Background rate (RLH only – to be used with user programme option)

PCA Prescribing – PCA with background rate (RLH only)

1. PCA

2. Morphine

3. PCA USER PROGRAMME - Morphine

PCA		
PCA Type	*	User programme
Additives	*	Morphine
Formulation	*	Morphine
Amount	*	50 mg
PCA Dose		
Additional Bolus		
Max Hourly Dose		
Rate (mg/hr)		
Rate (ml/hr)		
Lockout time		
Base Soln	*	NaCl 0.9%
Base Volume	*	50 ml
Frequency	*	Continuous
Order Instructions		
Start		19/11/2025 11:48
Stop		
Other Instructions		

When adding a background rate please select user programme option

Enter the PCA dose, Lockout time and rate and any other relevant information

PCA Prescribing

Observation Charts	19/03/2026						
	08:00	08:30	09:00	09:30	10:00	10:30	11
[PCA Standard Dose]	0 ml		4 ml		6 ml		
<input type="checkbox"/> Morphine PCA Dose - 1 mg							
Vol Given	0		4		6		
Vol in Syringe	50		46		40		
Bolus Given?							
Dose Adm							
Back Rate							
Action	Start						
Syringe Change?							
Witness (Name)	jt						
Amount Wasted							
Infusion In (24hr)	0 (0)		4 (4)		6 (10)		

Nurses will record the volume in the syringe and the volume given so the dose administered can be calculated

'*' indicates bolus given

12:00	13:00	14:00	15:00
0 ml*	4 ml	6 ml	
0	4	6	
50	46	40	

PCA Prescribing

Order(s)

[PCA Standard Dose] Morphine PCA Dose - 1 mg

Summary Details History Pumps

Mode: Direct Physician Entry

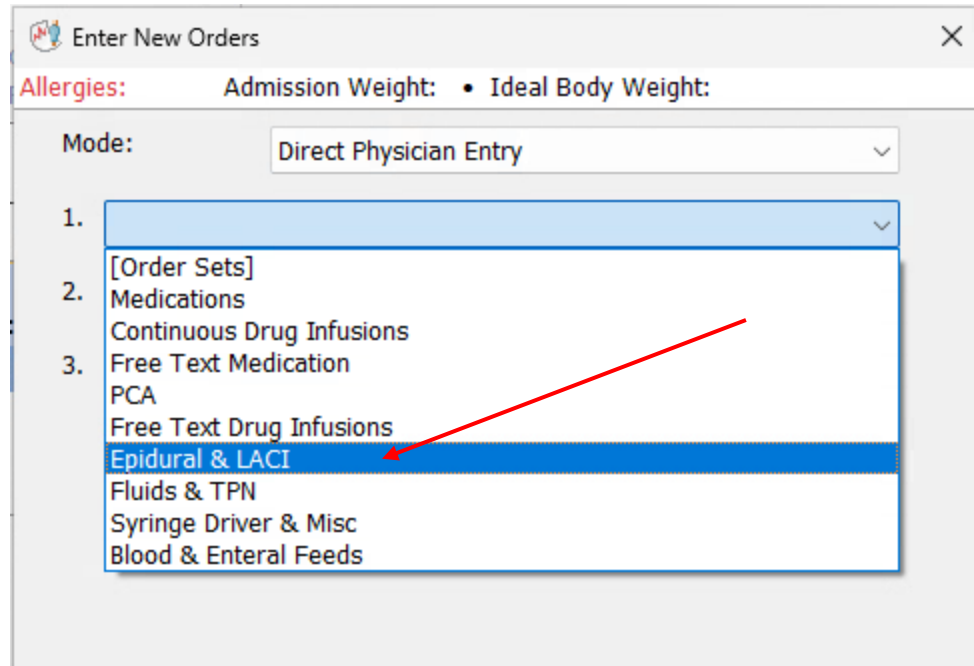
Formulation	*	Morphine
Amount	*	50 mg
PCA Dose	*	1 mg
Additional Bolus		
Max Hourly Dose		
Rate (mg/hr)		
Rate (mL/hr)		
Lockout time	*	5 min
Base Soln	*	NaCl 0.9%
Base Volume	*	50 ml
Frequency	*	Continuous PRN
Order Instructions		
Start	*	20/03/2026 04:59
Stop		21/03/2026 18:00
Other Instructions		
Pharmacist approval		
Professional Domain		Physician
Validation Result		

OK Cancel

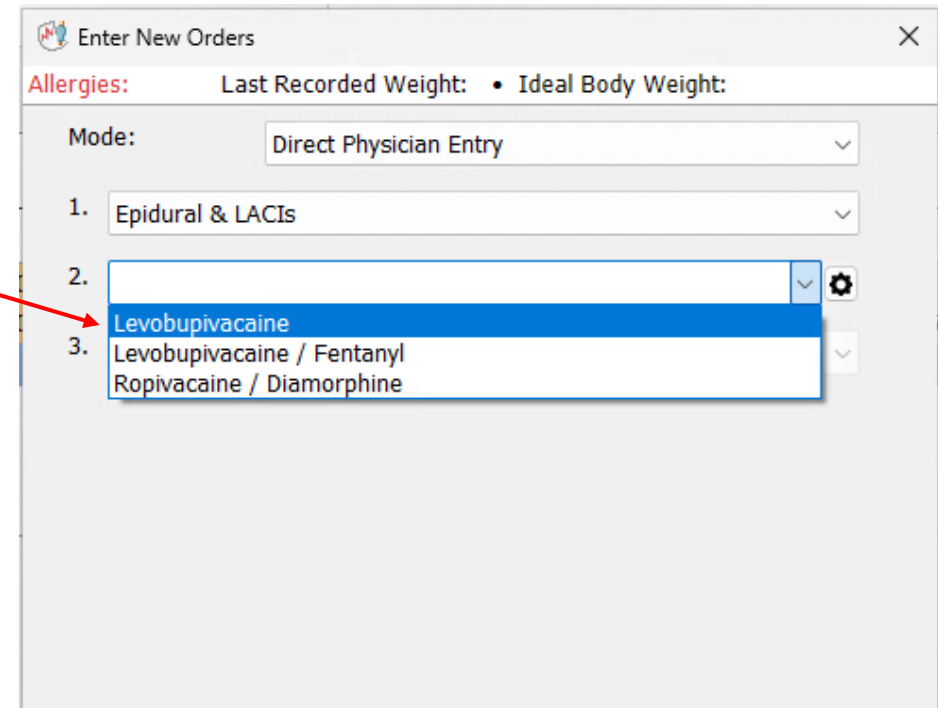
When stopping the PCA please select a suitable stop time so the nurse can continue to chart until the device is taken down

Epidural & LACI Prescribing

To prescribe an epidural or a LACI, select from drop down 1
Then select the required drug from drop down 2



The screenshot shows the 'Enter New Orders' window. At the top, there are fields for 'Allergies:', 'Admission Weight:', and 'Ideal Body Weight:'. Below these is a 'Mode:' dropdown menu set to 'Direct Physician Entry'. The first dropdown menu (labeled '1.') is open, showing a list of options: '[Order Sets]', 'Medications', 'Continuous Drug Infusions', 'Free Text Medication', 'PCA', 'Free Text Drug Infusions', 'Epidural & LACI' (highlighted in blue), 'Fluids & TPN', 'Syringe Driver & Misc', and 'Blood & Enteral Feeds'. A red arrow points to the 'Epidural & LACI' option.



The screenshot shows the 'Enter New Orders' window. At the top, there are fields for 'Allergies:', 'Last Recorded Weight:', and 'Ideal Body Weight:'. Below these is a 'Mode:' dropdown menu set to 'Direct Physician Entry'. The first dropdown menu (labeled '1.') is set to 'Epidural & LACIs'. The second dropdown menu (labeled '2.') is open, showing a list of options: 'Levobupivacaine' (highlighted in blue), 'Levobupivacaine / Fentanyl', and 'Ropivacaine / Diamorphine'. A red arrow points to the 'Levobupivacaine' option.

LACI Prescribing

1. Epidural & LACIs

2. Levobupivacaine

3. Local anaesthetic - Levobupivacaine

Epidural & LACIs

Info for Prescriber
Transcribe rate (ml/hr) from infusion pump. (to view rate press 'i+' on pump twice)
0.1-0.2 mg/kg/hr based on ideal body weight

Infusion Type *

Additive

Additive 1

Additives *

Formulation *

Amount *

Base Soln

Base Volume

Rate *

Max Rate

Bolus

Interval Time

Max Total Bolus

Frequency * *Continuous*

Epidural
Rectus Sheath
Brachial Plexus
Erector Spinae Plane
Fascia Iliaca
Femoral Nerve
Interscalene
Paravertebral
Peripheral Nerve
Popliteal Nerve
Sciatic Nerve
Serratus Anterior
Supraclavicular
Transversus Abdominis (TAP)
Wound infiltration

To prescribe a local anaesthetic infusion select the 'local anaesthetic' option from drop down 3, then select the infusion type from the drop down list

LACI Prescribing

1. Epidural & LACIs

2. Levobupivacaine

3. Local anaesthetic - Levobupivacaine

Epidural & LACIs	
Info for Prescriber	<i>Transcribe rate (ml/hr) from infusion pump. (to view rate press 'i+' on pump twice)</i>
	<i>0.1-0.2 mg/kg/hr based on ideal body weight</i>
Infusion Type *	<i>Rectus Sheath</i>
Additive	
Additive 1	
Additives *	<i>Levobupivacaine</i>
Formulation *	<i>Levobupivacaine 0.125%</i>
Amount *	<i>200 ml</i>
Base Soln	<i>Pre-made solution</i>
Base Volume	
Rate *	<i>12 ml/hr</i>
Max Rate	
Bolus	
Interval Time	
Max Total Bolus	
Frequency *	<i>Continuous</i>
Start	<i>20/03/2026 09:37</i>

Once the infusion type has been selected transcribe the rate from the pump into ICCA

n.b - the ICCA prescription is in mL/hr whereas the pump is in mg/kg/hr

To view the rate in mL/hr on the pump press the i+ button twice (see next slide)

LACI Prescribing



To view the rate in mL/hr on the pump press the i+ button twice

Epidural Prescribing

For epidurals, select the pre-filled option from drop down 3. This will fill in most of the required information

1. Epidural & LACIs

2. Levobupivacaine

3. Epidural - Levobupivacaine

Epidural - Levobupivacaine	
Local anaesthetic - Levobupivacaine	
Info for Prescriber	
Infusion Type *	Epidural
Additive	
Additive 1	
Additives *	Levobupivacaine
Formulation *	Levobupivacaine 0.125%
Amount *	200 ml
Base Soln	Pre-made solution
Base Volume	
Rate *	0 ml/hr
Max Rate	15 ml/hr
Bolus	
Interval Time	
Max Total Bolus	

1. Epidural & LACIs

2. Levobupivacaine / Fentanyl

3. Epidural - Levobupivacaine 0.125% / Fentanyl 4mcg/ml

Epidural & LACIs	
Info for Prescriber	
Infusion Type *	Epidural
Additive	
Additive 1	
Additives *	Levobupivacaine / Fentanyl
Formulation *	Levobupivacaine 0.125% / Fentanyl...
Amount *	500 ml
Base Soln	Pre-made solution
Base Volume	
Rate *	0 ml/hr
Max Rate	15 ml/hr
Bolus	
Interval Time	
Max Total Bolus	

1. Epidural & LACIs

2. Ropivacaine / Diamorphine

3. Epidural - Ropivacaine 0.2% / Diamorphine 10mg

Epidural - Ropivacaine 0.2% / Diamorphine 10mg	
Epidural - Ropivacaine 0.2% / Diamorphine 20mg	
Info for Prescriber	
Infusion Type *	Epidural
Additive	
Additive 1	
Additives *	Ropivacaine / Diamorphine
Formulation *	Ropivacaine 0.2% / Diamorphine 1...
Amount *	200 ml
Base Soln	Pre-made solution
Base Volume	
Rate *	0 ml/hr
Max Rate	15 ml/hr
Bolus	
Interval Time	
Max Total Bolus	

Epidural Prescribing

After selecting from drop down 3, enter any other relevant information

1.	Epidural & LACIs	▼
2.	Levobupivacaine	▼ ⚙️
3.	Epidural - Levobupivacaine	▼
Epidural & LACIs		
Info for Prescriber		
Infusion Type	*	Epidural
Additive		
Additive 1		
Additives	*	Levobupivacaine
Formulation	*	Levobupivacaine 0.125%
Amount	*	200 ml
Base Soln		Pre-made solution
Base Volume		
Rate	*	0 ml/hr
Max Rate		15 ml/hr
Bolus		
Interval Time		
Max Total Bolus		
Frequency	*	Continuous
Start		20/03/2026 09:37
Stop		
Order Instructions		

The selected infusion type should be 'Epidural'

Rate range will be pre-filled

If additional boluses are required then complete bolus, interval time and max total bolus as per guideline on DMS*

*Epidural, Intrathecal and Paravertebral Analgesia Clinical Guideline

Epidural & LACI Prescribing

Epidural & LACIs		
Info for Prescriber		
Infusion Type	*	<i>Epidural</i>
Additive +		
Additive 1 X		
Additives	*	<i>Levobupivacaine</i>
Formulation	*	<i>Levobupivacaine 0.125%</i>
Amount	*	<i>200 ml</i>
Base Soln		<i>Pre-made solution</i>
Base Volume		
Rate	*	<i>0 ml/hr</i>
Max Rate		<i>15 ml/hr</i>
Bolus		
Interval Time		
Max Total Bolus		
Frequency	*	<i>Continuous</i>
Start	*	<i>22/03/2026 16:07</i>
Stop		<i>24/03/2026 12:00</i>
Order Instructions		
Other Instructions		

When stopping the infusions please select a suitable stop time so the nurse can continue to chart until the device is taken down



Signing for epidural/ PCA boluses you have administered

NOTE: Please liaise with bedside nurse to ensure charting is up to date prior to signing for bolus (otherwise affects fluid balance)

Charts | Observation Charts

24/03/2026 Inpatient Admissi...

Overview

Charts

Observation Charts

Lab tests

Radiology

Microbiology

Medications

Clinical Notes

Nursing Notes

Cardiovascular

Neurology

Pain

Gastrointestinal

RRT

Surgical

Skin & Wound Care

Lines & Devices

Housekeeping

Nurse Safety Checks

Intake - Enteral & Other

Intake - IV & Infusions

Observation Charts	07/04/2026 06:00	07:00	08:00	07/04/2026 09:30	10:00
[Epidural] Levobupivacaine 0.125% in 200 ml 0 ml/hr to 15 ml/hr	6 ml/hr	6 ml/hr	6 ml/hr	6 ml/hr	6 ml/hr(27)
Volume Adm	6	6	6	3	3
Rate Adm	6	6	6	6	6
Bolus given ?					
Action	Start				
Bag Change					
Witness (Name)					
Amount Wasted					
Infusion In (24hr)	6 (6)	6 (12)	6 (18)		3 (27)

<Clear Entry>
Yes
Other...

3. Select this icon to display the current time on the obs chart (to chart bolus at correct time)

1. Open obs chart and then select "Intake - IV & Infusions"

2. Select the + symbol on the epidural/ PCA prescription to display rows

4. Double click in "Bolus given?" Row at the time the bolus was administered and click "Other..."

This will bring up a box allowing you to type in the dose administered

Bolus given ?

5mL

OK Cancel