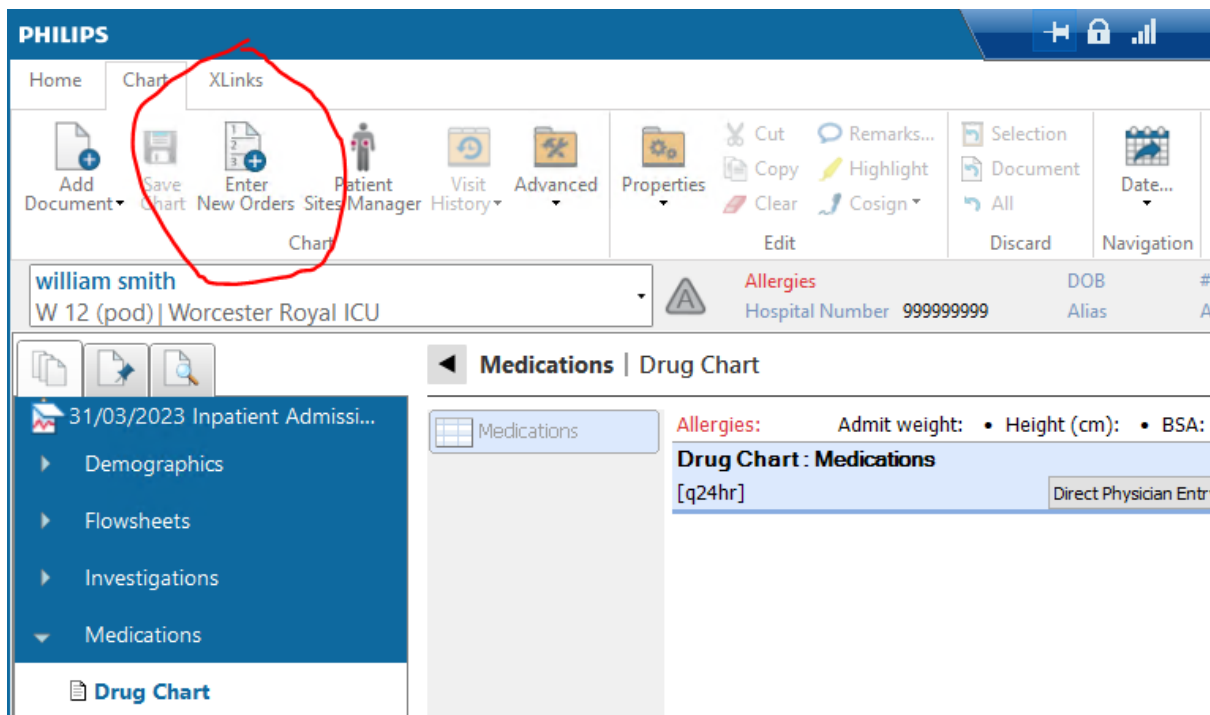


How to prescribe a syringe driver in ICCA

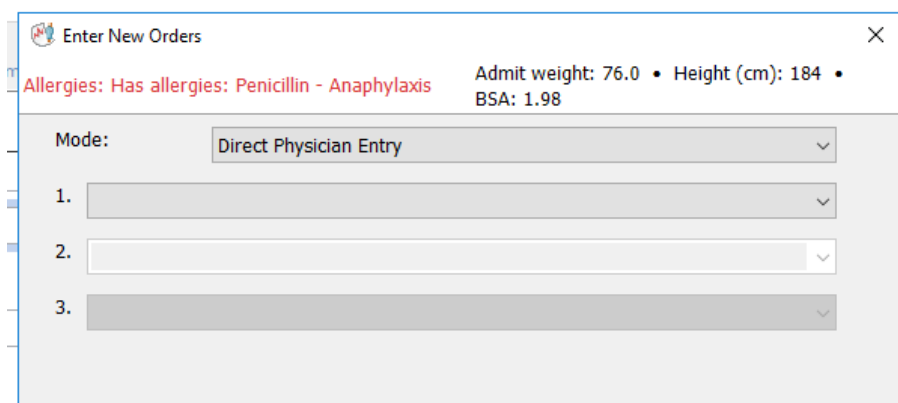
This guide shows how to prescribe a syringe driver in ICCA. The system separates prescriptions into medications, drug infusions, PCAs, epidurals or nerve catheters, TPN, blood products and enteral feeds. You will need to refer to these other guides if it is one of those items that you wish to prescribe.

Step 1: Access the correct patient's record on ICCA

Step 2: Click on 'Enter New Order'



Step 3: Make a note of the demographic information in the patient banner



Step 4: Select 'Dialysis/Irrigations/Syr Driver' from the first drop down list

The screenshot shows the 'Enter New Orders' window. At the top, there are fields for 'Allergies:', 'Weight (Adm):', 'Height (cm):', and 'BSA:'. Below these is a 'Mode:' dropdown set to 'Direct Physician Entry'. A numbered list (1, 2, 3) is visible, with a dropdown menu open for item 1. The menu items are: [Order Sets], Medications, Drug Infusions and Continuous Inhalations, Free Text Medication, Patient Controlled Analgesia, Free Text Drug Infusions, Epidural / Nerve Catheter, Fluids / Nutrition, Dialysis/Irrigations/Syr Driver (highlighted in blue), and Blood & Enteral Feeds.

Step 5: Select Syringe Drivers from the next drop down list

The screenshot shows the 'Enter New Orders' window with more details. The 'Allergies:' field now contains: 'Has allergies: ACE inhibitors - Cough; Blood products Jehovahs Witness - ; Gelatin (allergy) - Anaphylaxis'. The 'Admit weight:', 'Height (cm): 184', and 'BSA:' fields are also visible. The 'Mode:' dropdown remains 'Direct Physician Entry'. In the numbered list, item 1 is 'Dialysis/Irrigations' and item 2 is an empty dropdown. Item 3 is an open dropdown menu with the following options: Enteral Tube Irrigation, Bladder Irrigation, Syringe Drivers (highlighted in blue), Peritoneal Dialysis, and Hemofiltration.

Step 6: To prescribe, start with the first mandatory field. The base solution is usually **water for injections**, but there are exceptions where sodium chloride is needed for compatibility. This must be checked before prescribing.

Enter New Orders [Close]

Allergies: Admit weight: 65.0 • Height (cm): 170 • BSA: 1.75

Mode: Direct Physician Entry

- Dialysis/Irrigations
- Syringe Drivers
-

Syringe Drivers

Rate	
Base Soln	* Water for Injections
Base Volume	
Additive	+
Order Instructions	
Frequency	* Continuous PRN
Stop	
Start	12/04/2023 11:47
Other Instructions	
Professional Domain	Physician

Step 7: Click on the black Plus sign at the end of the Additive row to add the medications to the syringe driver

Additive [Close] +

Additive 1 [Close] X

Additives	*
Formulation	*
Amount	*
Order Instructions	

Step 8: Select the appropriate Additive from the drop down menu, or use 'Other...' if what you want is not on the list

+	Additive	
×	Additive 1	
*	Additives	
*	Formulation	Morphine Sulphate Metoclopramide Cyclizine Haloperidol Levomopromazine Hyoscine Butylbromide Midazolam Alfentanil Oxycodone HCL Other...
*	Amount	
	Order Instructions	
*	Frequency	
	Stop	
	Start	
	Other Instructions	
	Professional Domain	Physician

Step 9: Choose appropriate formulation – which is (INJ), not (PCA) etc – and total daily dose goes in Amount

+	Additive	
×	Additive 1	
*	Additives	Morphine Sulphate
*	Formulation	Morphine Sulphate (INJ)
*	Amount	40 mg
	Order Instructions	
*	Frequency	Continuous PRN
	Stop	

Step 10: Click on the black plus sign again to add any other medications which need to go in the syringe driver

[-] Additive			[+]
[-] Additive 1			[X]
Additives	*	<i>Morphine Sulphate</i>	
Formulation	*	<i>Morphine Sulphate (INJ)</i>	
Amount	*	<i>40 mg</i>	
[-] Additive 2			[X]
Additives	*	<i>Midazolam</i>	
Formulation	*	<i>Midazolam (INJ)</i>	
Amount	*	<i>30 mg</i>	
Order Instructions			
Frequency	*	<i>Continuous PRN</i>	

[-] Additive			[+]
[-] Additive 1			[X]
Additives	*	<i>Morphine Sulphate</i>	
Formulation	*	<i>Morphine Sulphate (INJ)</i>	
Amount	*	<i>40 mg</i>	
[-] Additive 2			[X]
Additives	*	<i>Midazolam</i>	
Formulation	*	<i>Midazolam (INJ)</i>	
Amount	*	<i>30 mg</i>	
[-] Additive 3			[X]
Additives	*	<i>Levomepromazine</i>	
Formulation	*	<i>Levomepromazine (INJ)</i>	
Amount	*	<i>25 mg</i>	
Order Instructions			
Frequency	*	<i>Continuous PRN</i>	

Step 11: In the Order Instructions specify that the route is **subcutaneous** and the total volume is 17ml. The rate is calculated automatically by the syringe driver pumps as they are set to deliver over 24 hours only.

Additives	*	Levomepromazine
Formulation	*	Levomepromazine (INJ)
Amount	*	25 mg
Order Instructions		Subcutaneous route. Total volume = 17ml, running over 24 hours.
Frequency	*	Continuous PRN

NB: in exceptional circumstances a volume of 22ml may be required. Contact Palliative Care team for advice.

Step 12: Press OK and then Save Chart to activate new Continuous infusion

Continuous	
Alfentanil 20 mg in 50 ml Glucose 5% Continuous PRN (Day 29)	
<p>Syringe Drivers Water for Injections Morphine Sulphate 40 mg ; Midazolam 30 mg ; Levomepromazine 25 mg Continuous PRN Subcutaneous route. Total volume = 17ml, running over 24 hours = 0.71ml/hr (Day 1)</p>	

If palliative care request that the patient has two syringe drivers, i.e. for drug compatibility reasons, then they should be prescribed as two separate prescriptions to make it clear:

Continuous	
Adrenaline 4 mg in 50 ml Glucose 5% @ 0 mcg/kg/mn to 1 mcg/kg/mn IV INFUSION...	
Syringe Drivers Water for Injections 17 ml Morphine Sulphate 30 mg ; Midazolam 10 mg ; Levomepromazine 25 mg Continuous PRN (Day 1)	
Syringe Drivers Water for Injections Levetiracetam milligrams Continuous PRN (Day 1)	
Enteral Feed: Nutrison Protein Plus @ Nasogastric	