

Continuous Infusions: Alteplase Infusion

Quick Reference Guide

Begin the Alteplase Infusion:

1. Select **Orders** from the *Menu*.
2. Select **+ Add**
3. Type *Alteplase* into the search field

Search:

4. Select:

The following *ordering physician* window will appear.

5. Fill in the appropriate *Physician Name* and select appropriate *Communication Type*.



As per ward policy, enter 20ml against the Sodium Chloride *Bag Volume*. Type 10mg in the *Additive Dose* section.

Type *Normalized Rate* as 0.5 mg/hr for Arterial occlusion or 1.0 mg/hr for Venous occlusion (Recommended commencement dose with Catheter directed thrombolysis)

Recommended dose range= 0.25 to 2mg/hr.

The maximum infusion time = 48hrs to 72 hrs.

The *Order Entry* window will open.

6. Click into the *Continuous Details* tab.
7. Change the *Bag Volume* to 20ml:

Bag Volume
20 mL

8. Add the *Additive Dose* of 10 mg:

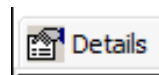
Additive Dose
10 mg

9. Add the *Normalized Rate* of:

Normalized Rate
0.5 mg/hr

This will automatically calculate the *Rate & Infuse Over*.

10. Click into *Details* tab.



11. Change the *Route of Administration* to *INTRAARTERIAL*:

***Route of administration:** Intraarterial

12. Change the *Duration Unit* to *bag(s)*:

***Duration unit:** bag(s)

13. Free-text 1 into the *Duration* field:

***Duration:** 1

14. Free text into the special instructions as: *CATHETER: 10mg Alteplase in 20ml with NaCl 0.9% (via syringe driver)*.

Special instructions: CATHETER: 10mg Alteplase in 20ml with NaCl 0.9% (via syringe driver).

15. Enter in your Nurse Witness:

Nurse Witness: John Smith RN

16. Click into *order comment* and free text as: *Dose titration as per coagulation studies result and vascular registrar consultation*.

Order comments
Dose titration as per coagulation studies result and vascular registrar consultation



17. Click
18. Enter password into the appropriate field.
19. *Refresh* the page.
20. Navigate to *MAR* and locate Alteplase additive under *Continuous Infusions*
21. Locate the *Pending* bag:

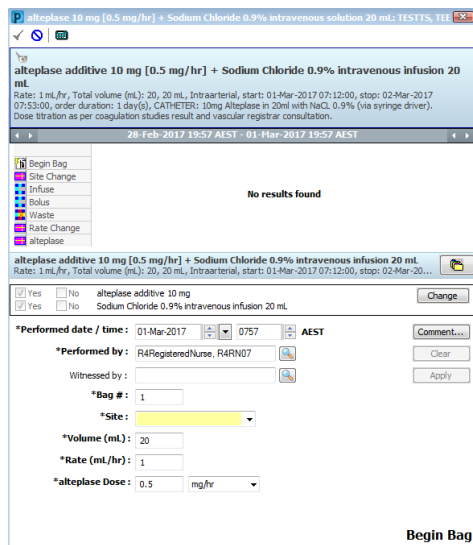
Pending
Not given within 7 days.

Associated with the:

alteplase additive 10 mg [0.5 mg/hr]
Sodium Chloride 0.9% intravenous infusi...
Rate: 1 mL/hr, Total volume (mL): 20, 20 mL,
Intraarterial, start: 01-Mar-2017 07:12:00, stop:
02-Mar-2017 07:53:00, order duration: 1 day(s),
CATHETER: 10mg Alteplase in 20ml with NaCl
0.9% (via syringe driver).
Dose titration as per coagulation studies result ...



The *IV Administration* window will open.



22. Get the *nurse witness* to enter their credentials

Witnessed by : R4RegisteredNurse, Aaron

23. Select the site: In this case it will be *Other-enter comment*

*Site : Other-enter comment

24. Click into *Comment* button.

Comment...

25. Enter the comment as *infusion running via intra-arterial cathater. Site: R) groin*

Apply

27. The witness will enter their password.

28. Click the ✓ to sign

29. Refresh the *MAR*.

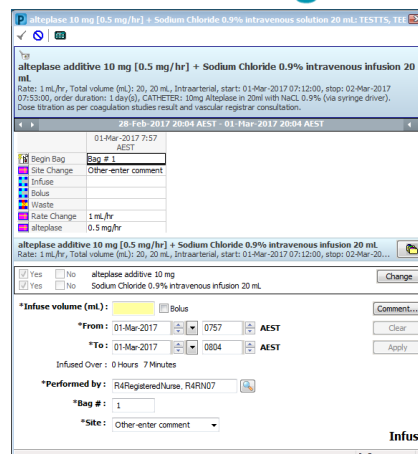
30. The result section will reflect the new begin bag

Begin Bag 20 ml
0.5 mg/hr Auth

31. To change the rate after consultation with vascular registrar, click on *Pending* activity task associated

Pending
Last bag started:
01-Mar-2017
7:57 AEST

The *IV Administration* window will open.



32. Select the *Rate Change* action.

33. Change the infusion rate as per consultation with Vascular Registrar. The Alteplase infusion rate will automatically update when the alteplase dose is changed.

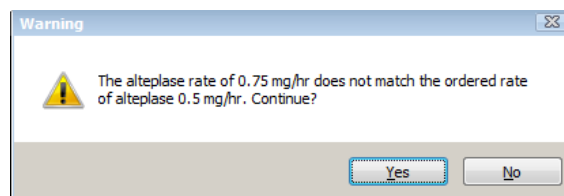
34. Get the *nurse witness* to enter their credentials

Witnessed by : R4RegisteredNurse, Aaron

35. Click *Apply*

36. The witness will enter their password.

37. Immediately after entering the nurse witness password, a pop-up warning box will appear as follows



38. Click *YES* as we are changing the rate in consultation with Vascular Registrar.

39. Click the ✓ to sign.

40. Refresh the *MAR*.

The result section will reflect the new rate change.

Rate Change 1.5 mL/hr Auth
0.75 mg/hr Auth (Verified)

41. Repeat the process every 6 hours in consultation with vascular Registrar and until the infusion ceases. The maximum infusion time = 48hrs to 72 hrs.