

Intraventricular alteplase for flushing EVD

Neurosurgery will sometimes request a small dose of alteplase (Cathflo) to flush a clotted extra-ventricular drain (EVD). Currently the physicians nor nurses can order this product, only pharmacy. The important thing to remember with this is it **MUST come from the IV room since it needs to be made in a sterile environment and sent with preservative free sterile saline flushes made in the IV room** as well as it will be delivered straight to the brain. If you get a call requesting alteplase for a clotted off EVD, please see below for how to order it.

1. Type in **ALTEPLASE** in the ORDERS tab
2. Go to **DATABASE**
3. You are looking for **ERX 400078 – alteplase (ACTIVASE) INTRATHECAL injection**

Name	Strength	Dose	Route	Frequency	Code
alteplase (ACTIVASE) INTRATHECAL injection			Intrathecal	Once	400078
alteplase (ACTIVASE) 5 mg in 0.9% NaCl 50 ml		5 mg	Intrathecal	Once	400242

4. Click into this order and then you will choose the dose. **Most physicians only use the 1 mg.** Rarely will a physician want a dose other than that, but it can be done (total volume should match the order dose example. 1mg/ml, 2mg/2mL)

alteplase (CATHFLO ACTIVASE) 1 mg in sterile water (preservative free) 2 mL INTRATHECAL injection ✓ Accept ✗ Cancel

Order Inst: FOR INTRA-THECAL USE ONLY. Usual dose = 1-4 mg.

Reference Links: 1. Lexi-Comp

Dose: 1 mg 1 mg 2 mg 3 mg 4 mg
Administer Dose: 1 mg
Administer Amount: 1 mg

Route: Intrathecal Intrathecal

Frequency: Once Once

Starting: 4/20/2022 Today Tomorrow At: 1100 🕒
First Dose: **Today 1100** Number of doses: 1
[Scheduled Times](#)
04/20/22 1100

Administer Over:

5. In Admin Instructions put **“To be given via EVD by Neurosurgery”**
6. Click the **“LINK ORDER”** at the bottom of the order
7. Click the **“AND”** button and the **“NEW ORDER”**
8. In the **“NEW ORDER”** blank enter **ERX 5007319**
9. This should link a sodium chloride 0.9% flush
 - a. Change dose to be **“5 mL”**
 - b. Frequency to be **“PRN”**
 - c. PRN comment and admin instructions **“sterile flush - to be used with cathflo admin”**
 - d. For **2 doses**
 - e. **Make product dispense from DOSE EDGE so the IV room will need to make these syringes**
10. When verifying, please make sure all products and doses go to **“DOSEEDGE”** so they can be made in the IV room for sterile purposes. **The alteplase might link to the pyxis, please change so the IV will make it**
11. When verifying the alteplase, it will come across as total volume of 2mL – **this should be changed to a total volume to match dose being given. Final alteplase product should only be 1 mL if dose is 1 mg.**
12. **These should always be considered STAT.** The Neurosurgeon will be coming to the unit to administer to the dose so it is important for the dose to be at the bedside when they physician gets there