



**REGION 11  
CHICAGO EMS SYSTEM  
PROCEDURE**

Title: Buretrol Medication Administration - ALS

Section: Medication Administration / Access

Approved: EMS Medical Directors Consortium

Effective: August 1, 2022

## **BURETROL MEDICATION ADMINISTRATION - ALS**

### INDICATIONS

- Normal saline fluid bolus (ALS)
- Dextrose 10% (ALS)
- Patients less than 12 years of age

### CONTRAINDICATIONS

None

### EQUIPMENT

- Medication (normal saline or dextrose)
- Buretrol device

### PROCEDURE

1. Apply personal protective equipment: gloves.
2. Check the five rights of medication administration:
  - a. Right patient
  - b. Right medication
  - c. Right dosage/concentration
  - d. Right time
  - e. Right route
3. Remove buretrol from packaging and close bottom flow adjuster clamp.
4. Reaffirm medication with Medication Administration Cross Check (MACC).
5. Remove the tab from the normal saline or dextrose bag.
6. Insert the buretrol spike into the IV bag.
7. Open the top flow adjuster clamp to fill burette chamber with fluid (about 30 ml).
8. Allow the fluid to fill into burette chamber by gravity.
9. Squeeze the drip chamber to fill.
10. Open the bottom flow adjuster clamp to prime the line with fluid, then close the clamp.
11. Fill the burette chamber for the appropriate dose of medication fluid.
12. Close top clamp.



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13. Connect the buretrol tubing to the IV or IO access.
14. Open bottom flow adjuster clamp and administer medication fluid.
15. Document the medication dose and clinical response.

**BURETROL DEVICE**

