

VALLEYCARE
**OLIVE VIEW-UCLA MEDICAL CENTER/HEALTH CENTERS
POLICY & PROCEDURE**

**NUMBER: 1601
VERSION: 1**

SUBJECT/TITLE: PARENTERAL ADMIXTURES OUTSIDE THE PHARMACY

POLICY: Parenteral admixtures prepared outside the pharmacy are prepared safely and aseptically.

PURPOSE: Provide guidelines for the preparing and labeling of parenteral medications and solutions within the hospital (wards/clinics) that are not under the direct supervision of pharmacy.

DEPARTMENTS: All

DEFINITIONS:

PROCEDURE: To assure the safe admixture of parenteral products, the following precautions shall be observed:

1. Parenteral admixtures prepared outside the pharmacy must only be used for immediate administration and for urgent patient care situations. Admixtures must be consistent with manufacturer admixture recommendations.
2. **Use premixed, ready-to-use preparations whenever available.**
3. Single-dose vials for parenteral additives or medications may be used if premixed solutions are unavailable.
4. If multi-dose vials must be used:
 - a. Include the expiration date and initial the vials after they are opened. Refrigerate unless otherwise specified by the manufacturer (<797> recommendations).
 - b. Cleanse the access diaphragm of the multidose vials with sterile 70% isopropyl alcohol pad before inserting a device into the vial.
 - c. Use a sterile device to access a multidose vial and avoid touch contamination of the device before penetrating the access diaphragm.
 - d. Discard multidose vial if sterility is compromised.

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5. Prepare a clean working surface away from heavy traffic areas
6. Check the chart for patient drug allergies. If necessary, consult appropriate parenteral preparation references, interaction charts, and/or the pharmacy. (IV Nursing Guidelines, Guidelines for Administration of Intravenous Medications to Pediatric Patients, Drug Administration in the NICU and IVPB Dilution Guideline).
7. Obtain the:
 - a. Basic parenteral solution and additive drugs. Check IV solution and additive for expiration date.
 - b. Syringes, needles, swabs, etc.
8. Wash the hands.
9. Check the order—AGAIN
10. Observe aseptic technique. Be particularly attentive to:
 - a. Use sterile alcohol pad to clean container “rubber stopper” prior to making needle entries.
 - b. Needle attachment, using transfer devices, and adding drugs.
 - c. Avoid the handling of the needle or the injection port with fingers.
11. Compound the admixture.
12. Label the compounded solution. Labels should be affixed to the admixed container and contain the following information:
 - a. The patient's name, location and MRUN #
 - b. The name of the basic parenteral solution
 - c. The date and time prepared
 - d. The name and amount of the drugs added
 - e. The total volume
 - f. The name or identifying code of the individual who prepared the admixture.
 - g. Ancillary labeling: Supplemental instructions and precautions, rate of administration (ml/hr).

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13. Check the completed solution against the order and the Hospital I.V. Guidelines for:
 - a. Proper basic solution
 - b. Proper additives and amounts

14. Check the final solution for:
 - a. Particulate matter
 - b. Lack of clarity or other evidence of contamination.
 - c. Proper labeling

15. Prepare the finished product for administration. Be particularly attentive to attaching administration sets.

16. Clean the preparation area when finished. Dispose of medication and medication containers per Pharmaceutical Waste procedures.

References: IV Nursing Guidelines, Guidelines for Administration of Intravenous Medications to Pediatric Patients, Drug Administration in the NICU and IVPB Dilution Guideline	
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