

SECTION XII

BULK PARENTERAL FLUIDS, INTRAVENOUS ADDITIVES AND COMPOUNDING

CONNECTICUT VALLEY HOSPITAL PHARMACY POLICY AND PROCEDURE MANUAL

SECTION XII: BULK PARENTERAL FLUIDS AND INTRAVENOUS ADDITIVES AND COMPOUNDING

CHAPTER 12.1: INTRAVENOUS FLUIDS

POLICY: Connecticut Valley Hospital uses intravenous administration of medications on an emergency response basis only. Intravenous fluids, additives, and devices are not routinely used at CVH.

PROCEDURE:

1. As the Pharmacy Services Unit does not have the Facility to prepare intravenous medications or fluids any patient requiring such therapy is referred to an outside vendor.
 - A. An exception is made when the medication can be provided in the Advantage system since this system does not require a strictly sterile preparation environment.
 - B. For bulk liquid concentrates, the manufacturer stated expiration date is the expiration date found on the bottle.
2. Patients requiring intravenous medications or fluids will have this processed via a private vendor that adheres to regulatory agency requirements. The intravenous medication or fluid from the vendor will be delivered to the pharmacy unless the pharmacy is closed.
 - A. All physician orders for the intravenous medication will be processed and then faxed to the vendor by the pharmacist. If the intravenous medication is an antibiotic, then the order will also be written on the CVH Antibiotic Form.
 - B. All prepared intravenous medications will be delivered directly to the pharmacy by the vendor during hours. In the event that the pharmacy is not open, the intravenous medication will be delivered to the respective unit to which the patient is assigned.

- C. Upon receipt of the intravenous medication in the pharmacy, a pharmacist will check it for accurate patient name, correct solution and label against the physician order, date, time, clarity and expiration date.
- D. The pharmacist will then initial the label and date it as evidence of the safety check.
- E. The intravenous medication will be stored in a separate refrigerator in the pharmacy.
- F. Pharmacy technicians will deliver the intravenous medication to the unit as needed. On Fridays or holiday weekends, the pharmacy technician will make sure enough is there to cover the intervening days until the next pharmacy work day. The pharmacy technician will place the intravenous medication in the unit medication refrigerator unless the IV medication needs to be hung immediately. In this case, the pharmacy technician can hand the intravenous medication to a Registered Nurse on the unit.

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SECTION XII: TOTAL PARENTAL NUTRITION CHAPTER 12.2: NUTRITIONAL THERAPY

POLICY: Patients requiring total parental nutrition at CVH will have this processed via a private vendor that adheres to regulatory agency requirements. All TPN solution from the vendor will be delivered to the pharmacy unless they are closed.

PROCEDURE:

A. TPN orders

1. All physician orders for TPN will be processed and then faxed to the vendor by our pharmacist. TPN orders will be written every 30 days unless changes need to occur before the 30 days.
2. All prepared TPN solutions will be delivered directly to pharmacy by an outside vendor during pharmacy hours. In the event pharmacy is not open, the TPN solution will be delivered to the respective unit to which the patient is assigned.
3. Upon receipt of the TPN in the pharmacy, a pharmacist will check the TPN solution for accurate patient name, correct solution and label against the physician order, date, time, clarity and expiration date.
4. The pharmacist will then initial the label and date it as evidence of the safety check.
5. The TPN will be stored in a separate refrigerator in the pharmacy.
6. TPN's shall be delivered to the pharmacy at least twice a week.
7. Pharmacy Technicians will deliver the TPN solution on a daily basis, Monday through Friday, to the respective unit. On Fridays or holiday weekends, extra bags will be delivered to the respective unit in order to cover the intervening days until the next regularly scheduled delivery. The Pharmacy Technician will place these in the unit medication refrigerator unless the TPN needs to be hung immediately. In this case, the pharmacy technician can hand the TPN solution to a Registered Nurse on the unit. TPN solutions need to be at room temperature prior to the nurse connecting it.

B. Medication Orders added to the TPN

1. All medication orders that require addition to the TPN solution will be reviewed and processed by the Pharmacist. Any contraindications will be communicated to the physician immediately by the pharmacist for resolution
2. Medication orders shall be faxed to the vendor by our pharmacist as required.
3. A pharmacist will also review all medications prepared by our vendor at the time of delivery to the pharmacy. He/she will check the medication provided against the physician order sheet to ensure accuracy of the patient name, date, correct medication, correct label, expiration date and will verify the clarity of the solution.
4. The pharmacist will then initial the label and date it as evidence of the safety check.
5. If the medication requires refrigeration, the medication can be placed in the same refrigerator as the TPN solution. If not, then it can be stocked on a shelf and bar coded for use with the Pyxis ParX.
6. Pharmacy Technicians will deliver medications that must be added to the TPN solution along with the TPN solution itself to the respective unit on a daily basis if it is ordered daily. Otherwise it will be delivered as prescribed.

**SECTION XII:
CHAPTER 12.3:**

COMPOUNDING

POLICY:

Connecticut Valley Hospital does not permit any sterile compounding of medications and does not allow the procurement of any sterile compounded medications from outside sources.

