Department of Pharmacy POLICY AND PROCEDURE

POLICY NUMBER: 893
VERSION: 3

SUBJECT: Medication Error Prevention During Prescription Preparation and Dispensing: IV Admixture

POLICY:

Prescribed I.V. admixtures are compounded by a pharmacist or pharmacist technician in an IV hood once the orders are verified by a pharmacist.

PROCEDURE:

Please note: A DOUBLE CHECK shall be performed by 2 pharmacists for Chemotherapy.

- **Patient profile shall be initialed by both staff members checking**
- **Double check shall include (but is not limited to): dose verification, calculated concentration of final product or volume of the solution (whichever is applicable), and rate**

1. Order Verification, Patient Profiles, Label Generation

   A. The pharmacist will verify the physician's orders for accuracy

   B. Patient profile shall be initiated and/or updated and the pharmacist shall indicate the drug, dose, type of diluent, and the rate for the IV order. The pharmacist shall also supply the technician with any special procedures that shall be used in compounding.

      - This information is readily retrievable in the Master Recipe List. If a drug cannot be found in the Master Recipe List the supervisor shall be alerted.

   C. The technician and/or pharmacist will then generate labels through the computer and retrieve medication to be compounded. See labeling requirements (Sterile Compounding P&P)

   D. The pharmacist will verify the accuracy of the printed label on the profile with the original physician orders.

      - Verify two patients identifiers, the name and MRUN # or the date of birth are preferred (two approved identifiers required)
      - Check the name of the drug prescribed to match with the label typed

- Check the name of the drug/diluent on the label to match with the medication and diluent pulled for compounding.
- Verify the drug name and NDC # typed on the label with the drug product used
- Verify the directions (i.e. frequency/rate)
- Verify total volume
- Verify beyond use date
- Verify storage and handling notes printed on label

2. Preparation of I.V. Admixture
Only one IV bag shall be introduced into the main chamber at a time during compounding operations. IV bags shall be labeled prior to introduction into the isolator.

A. Pre-Check

1. All I.V. solutions and devices will be checked for packaging condition, labels, expiration date, discoloration, and any other abnormalities before using.
2. The technician will retrieve the I.V. drugs and diluents needed for the preparation of the I.V. solution and check expiration dates.
3. Before the actual admixture is started, the pharmacist will perform or verify all appropriate calculations.
4. The pharmacist will pre-check I.V. solutions. In addition, all chemotherapy drugs require a preproduction visual confirmation of the amount of each ingredient (prior to addition to final container).

B. Post-Check

1. The pharmacist will review the finished product; ensure accuracy, proper labeling, required information for administration, and relevant beyond use date.
2. All admixture products will be checked for visible particulate matter before leaving the I.V. area.
3. The pharmacist will verify the name and the amount of the medication used in the preparation of the I.V. solution and ensure pharmacists and technician initials are on the label.