



NEW

HUMULIN R U500 INSULIN SYRINGE: A dedicated syringe for the use of Humulin R U500 insulin, is now the only device approved for use with U500 vials, and being used by most patients. Each line on the syringe measures 5 units of insulin, allowing for dosing of up to 250 units, as opposed to a traditional U100 syringe which measures insulin in 1 unit increments, “called unit markings,” equivalent to 5 units of insulin.

Prior to the U500 syringe, providers were required to convert U500 insulin doses by 1/5 to deliver the appropriate dose using unit markings on a U100 syringe. The new syringe reduces the potential for dosing error by drawing the dose in actual units. **Unfortunately, some patients have stockpiled U-100 syringes and will use their supply until exhausted.**

**We will continue to use only the U500 Pen in the hospital,
which is dosed in actual units, the same as the new U500 syringe.**

Conversion to units will be required only if patient is still using a U100 syringe at home.

For U500 patients presenting to the hospital, it’s crucial we verify the home dose/device used. They may report dose as units, not realizing that a conversion is needed if using a U100 syringe. For newer devices, reporting dose as units is correct.

Changes to U500 Order Set to support increased patient safety

Verification Section highlighted below:

Carefully identify which system patient is currently using at home:

PEN: U500 Insulin PEN (dosed in units)

-OR- VIAL + SYRINGE:

U500 Insulin vial per U100 syringe (dosed in unit-markings; **CONVERSION TO UNITS REQUIRED due to UCH uses the U500 Insulin PEN only; Refer to Conversion Table on last page**)

Dose has been converted from unit-markings to units for these orders (Provider **MUST check box after converting dose**)

-OR- U500 insulin vial per U500 syringe (dose in **UNITS: NO CONVERSION TO UNITS REQUIRED**)

Dose U500 insulin has been verified- **AND-** Dose has been discussed with the on-call Endocrinologist **(Both boxes on the above line must be checked off)**

* Pharmacy will NOT release the U500 insulin until prescriber validation is documented **AND consult with Endocrinology is documented.**

****If unable to confirm the U500 home dosage, the prescriber must place temporary alternate insulin orders. The Subcutaneous Insulin Order Set or the IV Insulin Order Set should be used pending U500 validation.**

GO LIVE June 6, 2017

NEW

Mandatory phone consult with on-call Endo is required before provider may order U500: (current policy is that the hospitalist may continue the home dose if they are able to verify it, without speaking with an endocrinologist).

- An endocrinology consult is still required for continued inpatient management.
- Paper Order Set including verification box is still required to be completed by provider

CONSULTS Endocrinologists: Drs. Chandra, Ono, or Phillips x3201 (UCMC) or Dr. Ducharme x6100 (HMH)

Answering Service: (for after hours and week-end telephone consults) 410-879-8800