

U500 INSULIN MONITORING FORM

ADMIT DATE _____

NAME _____ FIN _____ ROOM _____ MD _____

AGE _____ SEX M F

Home Insulin Regimen: _____

Information source(s): _____

U500 syringe, U100 syringe, or Kwik Pen at home: _____

Hypoglycemia at home (y/n): _____

Compliance issues with home regimen (y/n): _____

Steps:

1. Pharmacist to confirm the home dose of U-500 insulin & delivery method (syringe size vs. pen)
2. Pharmacist to inquire if patient has had compliance issues with home regimen and if patient has recently experienced any hypoglycemia on home regimen (BG < 70 in the last month)
 - a. If the answer is NO to both questions – use **conversion of 50 % of total daily U-500 insulin to basal and bolus regimen divided half basal and half bolus**. Calculate an additional dose of 0.6 units/kg to verify that the patient's dose is a realistic dose.
 - i. EXAMPLE: If patient is on total of 300 units of U-500 insulin at home
 - ii. Total calculated conversion = $300 \times 0.5 = 150$ units
 - iii. Calculated Basal (Lantus dose): 75 units at bedtime (1/2 of 150 units)
 - iv. Calculated Mealtime Bolus (Humalog dose): (75 units/3 then 3 times daily) = 25 units AC TID
 - v. Add comment in order that patient was on U-500 insulin at home
 - b. If the answer is YES to either question (recent compliance or hypoglycemia issues) – contact prescribing physician and recommend a **starting dose of 0.6 units/kg divided half basal and bolus**
 - i. EXAMPLE: Patient weight is 150 kg. Calculated dose is 0.6 units/kg = 90 units TOTAL
 - ii. Calculated Basal (Lantus dose) = 45 units (1/2 of 90 total units)
 - iii. Calculated Mealtime Bolus (Humalog dose): 45 units/3 then 3 times daily = 15 units AC TID
 - iv. Add comment in order that patient was on U-500 insulin at home
 - c. If a patient is unable to answer assessment questions, select between lower of doses (0.6 unit/kg and 50% of home dose)
 - d. If a patient is NPO for a procedure, contact physician and recommend only basal dose (based on formula above) with correction scale.
3. Pharmacists document in Ad hoc (Cerner)
 - a. Note should contain patient home U500 insulin regimen, information source(s), reported compliance to their home regimen and if the patient has experienced hypoglycemia at home. Finally the note should contain the Lantus/Humalog regimen that the pharmacist is converting the patient to initially.

