D50 Shortage Alternatives

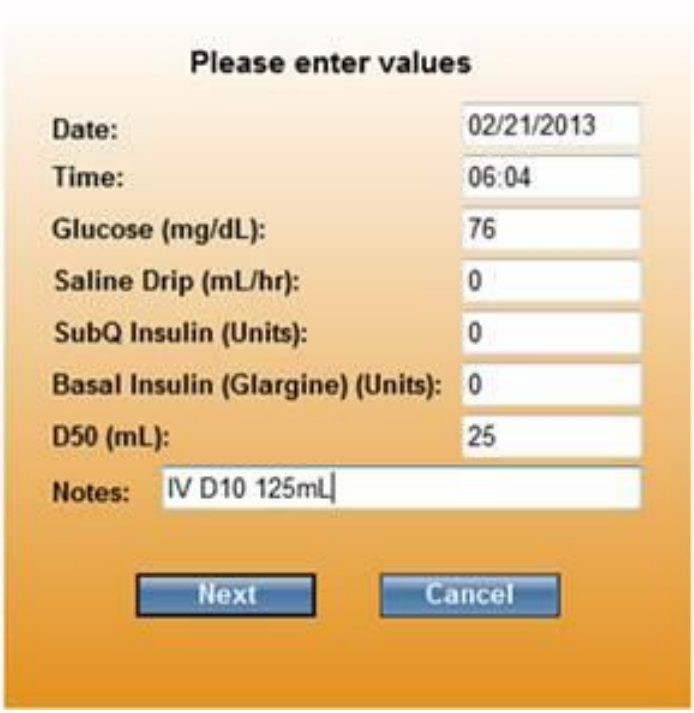
1) **D50 Shortage Alternatives**
   a) **D40**
      i) **Intervention group -** MULTIPLY GlucoStabilizer recommendation by **1.25** to get dose of D40.
      ii) **Control group –** Give D40 12.4GM (**31mL**)
   b) **D25**
      i) **Intervention group –** MULTIPLY GlucoStabilizer recommendation by **2** to get dose of D25.
      ii) **Control group –** Give D25 12.5GM (**50mL**)
   c) **D20**
      i) **Intervention group –** MULTIPLY GlucoStabilizer recommendation by **2.5** to get dose of D20.
      ii) **Control group –** Give D20 12.6GM (**63mL**)
   d) **D10**
      i) **Intervention group –** MULTIPLY GlucoStabilizer recommendation by **5** to get dose of D10.
      ii) **Control group -** Give D10 12.5GM (**125mL**)

2) **Administration**
   a) Per SHINE hypoglycemia protocol, D50 is given slow IV push over 1-2 minutes
   b) Ask whether vials or infusion bags are available (some pharmacies have expressed concerns over use of large volume infusion bags since they often expire within 24 hours)
   c) Determine route of administration. Preference is for slow IV push, but some sites are required to use pumps for certain dextrose containing solutions. If IV pump must be used, consider rate options equivalent to standard D50 administration.

3) **Documenting dextrose administration**
      i) **INTERVENTION GROUP**

(1) Enter **initials (Order Entry)** to confirm FS BG.
(2) Enter **initials (Administered)** to acknowledge D50 given. (**DO NOT CHANGE** the value for the recommended rate of D50 even if a different dextrose-containing solution was administered. **Make a note in Comments to document the concentration and volume administered**.)
(3) Click OK

ii) **CONTROL GROUP**



(1) Select **New Event** on Control Treatment Screen.
(2) A pop-up will display pre-populated date/time. Do NOT change pre-populated date/time unless incorrect.
(3) Enter **Glucose (mg/dL)**.
(4) Enter 0 for **SubQ Insulin (Units)**.
(5) Enter 0 for **Saline Drip (ml/hour**) rate.
(6) Enter 0 for **Basal Insulin**
(7) Enter **D50 (ml)** dose: **25** (**DO NOT CHANGE**. Even if a different dextrose containing solution is given, we want to document the equivalent dose of D50.)
(8) **Enter comment in Notes: field if a different dextrose containing solution was given to document the volume administered.**
(9) Select **Next**. A pop-up will display.
(10) Re-enter above values to validate.
(11) Select **Done**.