



- vii. Undergoing radiology tests (x-ray, ct-scans MRI), surgery or another reason deemed medically necessary
      - viii. Refusal or unwillingness to participate in self-care
      - ix. Change in the patient's condition that prohibits independence with pump self-management
      - x. Other reasons deemed inappropriate for CSII use by nursing or provider
      - xi. Unable to maintain adequate control of blood glucose
      - xii. Note: If at any time the patient meets one of the contraindications mentioned above, or if the pump is not functioning properly the nurse will notify the provider immediately and obtain orders to discontinue the pump and initiate alternative insulin therapy.
3. A *provider's order* is required for the patient to self-administer insulin via a CSII pump using the order set "Adult Subcutaneous Insulin Pump Management"
  - a. Continuation of pump therapy during hospitalization
  - b. Type of insulin to be used in the pump
  - c. Basal rate(s)
  - d. Bolus doses to be used for meals or correction of hyperglycemia
  - e. Frequency of glucose monitoring
  - f. Plan of treatment for hypoglycemia
4. A *provider* must document the following information in the patient's chart upon admission:
  - a. Patient agreement form (located on the MAR after order has been placed or in Z drive [pharmacy → inpatient → internal medicine → insulin pump → "ContinuousInsulinPumpPatientAgreement.HENZ"])
  - b. Insulin Pump & Insulin Regimen (also documented via patient's Bedside Insulin Pump Blood Glucose Record book (located on the MAR after order has been placed or in Z drive [pharmacy → inpatient → internal medicine → insulin pump → "UTMC Bedside Insulin Pump Blood Sugar Record HENZ"])
    - i. Make and model of CSII pump
    - ii. Type of insulin
    - iii. Basal rate
    - iv. Bolus insulin doses (number of doses and units given)
    - v. Any supplemental insulin given by injection
    - vi. Change in infusion site
    - vii. Time the insulin pump is suspended or removed, such as for procedures or showering, and time when the pump is reconnected
5. Upon *pharmacist* verification the responsible pharmacist will enter an i-Vent that will include:
  - a. Type of insulin to be used in the pump
  - b. Basal rate(s)
  - c. Bolus doses to be used for meals or correction of hyperglycemia
  - d. Frequency of glucose monitoring
  - e. Plan of treatment for hypoglycemia
  - f. Managing provider
6. The *patient* will manage the insulin pump as outlined below:
  - a. The patient must document their insulin pump settings (basal rate) and any bolus doses of insulin self-administered in the "**Bedside Insulin Pump Blood Glucose Record**" book (located on the MAR), which should be kept at the patient's bedside.
  - b. The patient is completely responsible for pump operation: programming basal rate, setting and administering bolus doses, changing pump batteries if needed, preparing, and replacing infusion sets, and troubleshooting pump alarms.
  - c. Patient responsible for changing infusion set and filling new syringe (reservoir/cartridge) with insulin as needed and communicate this to nursing staff.
  - d. Patient will ensure proper disposal of sharps in designated containers.
7. The *nurse* will monitor the patient as outlined below:
  - a. Patient reassessments done at the beginning of each 12-hour shift to ensure patient meets inclusion criteria as stated above.
  - b. All basal rates and bolus doses administered by the patient will be documented in the bedside insulin pump blood glucose record and **reported to the nurse for documentation into the medical record.**
  - c. Should the CSII pump need to be discontinued, nursing will be responsible for suspending and disconnecting the pump.
  - d. Blood glucose monitoring needs to be done before each meal, at bedtime, and as needed for suspected hypoglycemia or hyperglycemia. **All monitoring will be done with the hospital's blood glucose monitoring system.**

