

Nursing Policy Statements: (designates what MUST be done)

1. The RN performs (or delegates to PCA/PCT) Point of Care Blood Glucose Tests on inpatient adult patients as outlined in the UVA Lab Handbook [AccuChek Inform II Glucose Meters Procedure](#).
 - a. Continuous Glucose Monitoring Systems (CGMs) and personal glucose meter results obtained by the patient cannot be used for insulin dosing.
 - b. If the patient desires to continue its use, he/she must sign the [Patient Acknowledgement of Responsibility for Use of Non-UVA Devices Waiver](#). [Consent Form 000505](#)
2. The RN accompanies any patient receiving an insulin infusion who must travel off the acute care floor and the insulin infusion cannot stop temporarily.
 - The accompanying RN compiles a travel kit containing glucose tablets (2 packages), Dextrose 50% injection (2 vials), two 30 mL syringes, and a glucose meter.
3. The RN assesses for signs and symptoms of hypoglycemia (e.g. diaphoresis, trembling, tachycardia, confusion, lethargy, decreased mental status, mood change or irritability, headache) and tests blood glucose levels when these signs/symptoms are present.
4. The RN promptly intervenes for blood glucose ≤ 70 mg/dL. [1.070](#), [1.071](#), [L&D](#), [2.061](#) by:
 - a. The RN immediately provides [Hypoglycemia Treatment](#)
 - b. The RN tests blood glucose levels 15 minutes after hypoglycemia treatment, and then every 15 minutes until glucose is greater than or equal to 100 mg/dL
5. The RN immediately treats blood glucose results < 40 and promptly notifies the LIP after hypoglycemia treatment.
6. The RN repeats blood glucose tests for > 400 mg/dL and promptly notifies the LIP for further evaluation.
7. The RN completes and documents an independent double-check whenever:
 - a. initiating insulin infusion
 - b. changing infusion bag
 - c. handing over care of insulin infusion to another provider. [CH3.1.03](#); [Lippincott](#)
8. The RN on TCV-ICU, TIMU, and CCU follows the [Glucose Management in Adult Patients Requiring Insulin Infusion Using the Glucomander Computer-Based Program](#).
9. The RN notifies the LIP with every blood glucose value for insulin dosing for patients with Diabetic Ketoacidosis (DKA) or Hyperosmolar Hyperglycemic States (HHS).
10. The RN will administer insulin infusions via an infusion pump with free flow protection using the population-specific Guardrails profile for the appropriate pump.

Interprofessional Policies (designates what MUST be done)

- [Medical Center Policy 0259](#): Medication Management
- [Medical Center Policy 0224](#): Provision of Non-Prescription Home Supplies after Discharge or Clinic Visit
- [Pharmacy Policy B03: High Alert Medications](#) (details for insulin & oral hypoglycemic agents)

Interprofessional Protocols (pre-determined criteria & actions that MUST be implemented)

- [1.021: Critical Values and Timeframes for Reporting](#)
- [1.022: Diabetes Medication Management in Colonoscopy Prep and Test Day - Ambulatory](#)
- [1.070: Insulin Infusion Protocol – Adult Acute Care](#)
- [1.071: Insulin Infusion Protocol - Adult Critical Care](#)
- [1.073: Insulin: CONCENTRATED U-500 Regular Human Insulin Use, Adult Inpatients](#)
- [Women's Services: Insulin Infusion Protocol in Labor & Delivery](#)

Interprofessional Guidelines (provides RECOMMENDATIONS)

Glycemic Management

- [2.115: Glucose Management in Adult Patients Requiring Insulin Infusion Using the Glucomander Computer-Based Program \(TCVICU, TIMU, CCU\)](#)
 - [DOWNTIME - Glucomander Cardiac Surgery Glycemic Control](#) including Glucomander Intravenous Insulin Downtime Form & Multiplier Adjustment After Downtime
- [Women's Services: Diabetes in Pregnancy Guideline](#)

Insulin Administration

- [2.150 : Intravenous Medication Administration Guidelines - Adult Acute Care](#) (Insulin routes and monitoring)
- [2.144a: Guideline for Transition from Insulin Infusion to Subcutaneous Insulin](#)
- [2.144b: Guideline for Subcutaneous Insulin for **HYPER**glycemia](#)
- [Standard Medication Administration Schedules and Guidelines for Off-Schedule Dosing](#)

Hyperkalemia

- [2.135: Hyperkalemia Treatment Sequence - Adult/Inpatient](#)
- [Renal Unit: Hyperkalemia](#)

Diabetic Ketoacidosis / Hyperosmolar Hyperglycemic State

- [2.070: Guidelines for Management of Diabetic Ketoacidosis \(DKA\) and Hyperosmolar Hyperglycemic State \(HHS\) in Adult Patients](#)

Procedures (how-to steps):

IMPORTANT: Follow the UVA Lab Handbook [AccuChek Inform II Glucose Meters Procedure](#)

Lippincott Nursing Procedures:

- [Admixture of drugs in a syringe using a single dose vial and ampule](#)
- [Admixture of drugs in a syringe using two multidose vials](#)
- [Blood Glucose Tests](#)
- [IV Therapy: High-Alert Medications \(analgesics, sedatives, **insulin**, anticoagulants\)](#)
- [Subcutaneous Injections \(including Personal Insulin Infusion Pumps and Alaris Syringe Pumps\)](#)

Manufacturer's Instructions:

- Clinical Engineering resource website for [Alaris IV Pumps](#)
- Roche Accu-Chek Inform II blood glucose test machines [quick reference](#) | [Package insert for Strips](#)
- [PremierPro Button-activated Safety Lancets](#)
- [Vanish Point Syringes](#)

Staff Education for High-Alert Medication:

- Glucose Management: [Competency](#) | [Preceptor Teaching Tool](#)

Required Patient & Family Education for this topic:

- [PE 07020 Pre-Diabetes](#)
- [PE 07001 Survival Skills for Managing Your Diabetes](#)
- [PE 07024 Injecting Insulin with a Syringe](#)
- [PE 07026 Cloudy Insulin Mixing Instructions](#)
- [PE 07027 Bolus Tube Feeding, Blood Glucose and Insulin Discharge Treatment Plan](#)
- [PE 07028 Continuous Tube Feeding, Blood Glucose and Insulin Discharge Treatment Plan](#)
- [PE 07029 Nocturnal Tube Feeding, Blood Glucose and Insulin Discharge Treatment Plan](#)
- [PE 07031 How to use a prefilled Insulin Pen \(English/Spanish\)](#)

Primary Contact:	Version information:	Date & Approval Body:
Cindi Sanborn, Rosemary Ferguson	Version 1.0: Initial version, 1.1 lancets	___ CNO & Nursing Executive Committee
Kimberly D. Miller	Version 1.2: DKA/HHS Guidelines updated & consolidated for all adults.	

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