Approximately 10% of the United States population is affected by Type 2 diabetes. Over 35,000 oncology patients with diabetes mellitus were cared for at the organization from 2016 to 2020. Inconsistencies were recognized in the ownership of care and/or process in managing these patients. Opportunities were identified to make improvements in the management and process in the perioperative setting.

### Objective

To standardize high-risk diabetes management in the Operating Room (OR) and out of OR procedure areas to reduce non-compliance of management by 50% within six months.

### Implementation

A Process Flow Chart (PFC) was created to streamline glucose management for all Type1 diabetic patients, with or without an insulin pump, and Type 2 diabetic patients with insulin pumps.

- The PFC included identifying high risk patients and developing a plan for appropriate interventions in the perioperative setting.
- An icon was created to identify diabetic patients on the status boards.
- Patients were contacted the day before surgery as reminder to bring their supplies to hospital.
- Smart phrases were developed for pre-op conversations, patient education, & discharge instructions.
- A High-Risk email group was created to notify upcoming high risk diabetic patients with recommendations of care from Endocrine.
- Staff education was initiated to improve awareness.
- Chart audits were created to assess compliance and noncompliance was addressed individually.

### Statement of Successful Practice

The baseline data showed 62% non-compliance to the standard process for managing patients with high-risk diabetes in the pre and post operative area. The pilot study resulted in the reduction of non-compliance from 62% to 7%, exceeding the goal of 50%.

Creation of the diabetes icon in status boards and the group email increased early identification of high-risk patients. Endocrine recommendations and staff education improved awareness of the management of high-risk patients.

### Implications for Peri-anesthesia Nursing

Not having a standard process to identify and manage high-risk patients in perioperative settings can lead to postoperative hypo/ hyper glycemic crisis.

The workflow developed to improve identification and management of high-risk patients can be generalized to similar settings.

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### Audit Tool

The Audit Tool is used to monitor and evaluate the effectiveness of the implemented processes. It helps in identifying areas for improvement and ensures that all necessary interventions are being carried out as per the standard operating procedures.