Glycemic Control

Why Control Blood Glucose?

Improves leukocyte function

- Significantly reduces nosocomial infections
- Improves tissue healing
- Decreases morbidity and mortality

Reduction in acute renal failure

- Reduction in osmotic diuresis leads to reduced stress on kidneys

Reduces Risk of poor Outcomes associated with:

- MI
- Stroke

What is EndoTool?

Description

EndoTool is a highly adaptive software system that calculates the dose of IV insulin needed to control blood glucose levels in acute care settings. This proprietary, FDA-cleared software not only calculates the dose of IV insulin needed; it actively models and adapts to individual patient responses to IV insulin. EndoTool integrates more than 30 unique algorithms, and has an extremely low incidence of hypoglycemia, <0.05% of readings.

EndoTool determines an optimal initial dose based on the patient’s known characteristics and condition. These include age, weight, disease state, etc.

EndoTool may be accessible on multiple computers, as designated by your management and/or IT department.


Features and Benefits

Easy to Use

- Provides the ability to enter a blood glucose reading obtained from a point-of-care device
- Provides audible and visual alerts to remind the staff when a glucose value is due
- Prints patients' glucose records
- Has the ability to interface with your Hospital Information System
- Requires a few simple inputs to set up a patient; EndoTool can accept ADT (Admit, Discharge and Transfer) feeds directly from your HIS system to make setting up a patient even quicker
- Offers barcode scanning capability for patient selection and verification

EndoTool is fully supported

- Comprehensive initial evaluation of current hospital policies and procedures by our experienced critical care nursing staff to define current practice patterns
- Individualized "Go Live" schedule developed to educate clinical staff for each hospital
- 24/7 Clinical and IT product support available by dialing our Toll-Free support line, 1-877-FIX-GLUC (1-877-349-4582)
Calls will be routed to a specialist with clinical EndoTool experience; IT support is also available via the same toll-free phone number (1-877-349-4582)

**Valuable**

- Determines an optimal initial IV insulin dose based on the patient’s known characteristics and condition. These include age, weight, disease state, etc.
- Paper protocols use simple, two point linear mathematics; EndoTool uses feedback control mathematics and four data points to compute each patient's unique physiologic dose of insulin
- Uses multiple data points to trend each individual patient's unique physiologic response to insulin dosing
- Determines the appropriate time for the next blood glucose check
- Can print patient-specific subcutaneous insulin transition orders
  - Subcutaneous transition orders use your preferred long and short acting insulins
- Goal ranges can be individualized by unit
- Can standardize glycemic control throughout the hospital
- Supports HIPAA compliance efforts

**Proven Track Record**

- In a head-to-head comparison, EndoTool is significantly more effective than paper-based protocols in keeping patients in the goal range ($P<0.001$)$^1$
- With EndoTool, there is $<0.05\%$ incidence of severe hypoglycemia (defined as $<40$ mg/dL)$^2$
- Approximately 80,100 patients' blood glucose levels have been controlled using EndoTool$^2$
- Approximately 2.44 million insulin doses have been calculated and administered$^2$

* Results may vary by institution
