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<b>Subject:</b>	QUANTITATIVE BEDSIDE GLUCOSE ANALYSIS				
<b>Approved by:</b> Laboratory Executive Director, Ed Hughes (electronic signature)					
<b>Approved by:</b> Laboratory Medical Director, Mark P. Burton, MD (electronic signature)					

## QUANTITATIVE BEDSIDE GLUCOSE ANALYSIS

Bedside glucose analysis is performed by registered nurses under laboratory direction to meet the need for immediate capillary blood glucose levels. The result is a quantitative value within a set range. Values less than 50 mg/dl or greater than 430 mg/dl must be confirmed by a laboratory test. Nursery values less than 40 mg/dl or greater than 130 mg/dl must be confirmed by a laboratory test.

Bedside blood glucose testing will be performed only by Registered Nurses, Licensed Practical Nurses II, Licensed Practical Nurses III, EMT-IV and paramedics who have received training in the use of the blood glucose system and automatic finger sticking device.

The training will be coordinated by the Diabetes Education Coordinator, Nurse Education, and laboratory personnel under the direction of the Medical Director of the Laboratory. The training will consist of a formal training session to include a return demonstration (1 hour in-service).

A list of RN's, LPN II's, and LPN III's who have been trained, will be kept in the laboratory, Nurse Education office, and will be available to the Directors of Patient Care Units.

All RN's, LPN II's, and LPN III's who have been trained in the procedure for bedside glucose testing will participate in yearly Proficiency testing where their technique will be observed by a trained observer. At that time, they will attend a short in-service to review policy and procedure of bedside blood glucose testing. A written test will be given on policy and procedure. Records of attendance and passing grades will also be kept in the laboratory, and Nurse Education office.

Nurses who contract to work in this hospital through an agency may perform blood glucose testing only if they attend the In-service and participate in the yearly Proficiency testing as described above.

Please refer to the Nursing Service Policy Manual for further instructions.