






UNC
HEALTH CARE

MEMORANDUM #3

TO: UNC Hospitals Attending Physicians, Housestaff, Department Heads, Nursing staff and Supervisors

FROM:  Catherine Hammett-Stabler, PhD, Director, Point-of-Care Services
 Connie Bishop, MT(ASCP), Assistant Director, Point-of-Care Services
 Herbert C. Whinna, MD, PhD, Director, McLendon Clinical Laboratories

SUBJECT: **Change in Point-of-Care Glucose Meters**

DATE: September 26, 2012

The McLendon Clinical Laboratories Point-of-Care Services announces a change in POC glucose testing effective October 3, 2012 with the transition to the Nova StatStrip® Glucose Meters.

History and reason for change: Approximately two years ago, J&J announced the discontinuation of their hospital-based line of glucose meters (Lifescan OneTouch®) to focus on the patient /home-based market. In response, the McLendon Clinical Laboratories Point-of-Care Services staff collaborated with Nursing and Outreach Services to conduct an extensive review of alternate products.

As a result, the decision was made to adopt the Nova StatStrip® meter for use throughout the UNC HealthCare System. This change has required a significant commitment of resources from McLendon Clinical Laboratories, Nursing, ISD, and Purchasing. More than 3000 users have completed training which involved a pre-requisite on-line course module and on-hands sessions in the POC offices. ISD orchestrated all hardware and software installations which included pulling 65 lines, activating 127 ports, and installing software to 12 clinical workstations - all necessary to allow interfacing with the Telcor middleware and resulting to the electronic medical record. The teamwork has been exceptional!

Basic information

Device: Nova StatStrip® meters and test strips (Nova Biomedical Corporation, Waltham, MA)

Use: near-patient glucose monitoring

Samples: capillary whole blood

Comparison data: In-house studies show the devices measure whole blood glucose levels between 10 to 600 mg/dL with good agreement to the whole blood glucose method used in the blood gas laboratory (Radiometer America Inc, Westlake, OH), $Nova = 1.05x - 3.4$, $R^2 = 0.99$. The devices have improvements related to patient safety and recently mandated infection control processes. Additional information is available on request from the POC office.

Quality control: must be performed every 24 h or the device will lock.

The Nova StatStrip® will be fully implemented on **October 3, 2012**. Logistics for the transition are below. **Please contact the McLendon POC office (6-2449) if there are questions.** The

transition has already taken place at Rex Hospitals and in many associated off-site clinics and community practices.

LOGISTICS: METER EXCHANGE will begin on October 3rd at 7:30 am in the McLendon Clinical Laboratories Point-of-Care Offices (1st floor Memorial).

- The new Nova meter with case and two vials of testing strips and one vial of each level of quality control material will be exchanged for the current Lifescan meter, case, and remaining testing strips. Units must bring the currently used Lifescan meter and case to retrieve the new Nova unit.
- Additional new strips will be available from Central Distribution on October 4th.
- The existing Lifescan meters and new Nova meters will both have connectivity to E-chart and WEBCIS from 7:30 am to 4:00 pm.
- Lifescan connectivity will be disabled at 4:00 pm, so all exchanges must have taken place by this time.