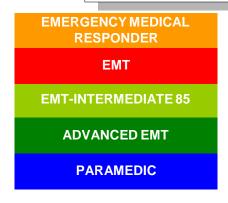


# EMS System for Metropolitan Oklahoma City and Tulsa 2017 Medical Control Board Treatment Protocols



Approved 11/9/16, Effective 2/1/17, replaces all prior versions

## 6C - GLUCOMETRY (BLOOD GLUCOSE DETERMINATION) ADULT & PEDIATRIC



### Indications:

- 1. Suspected stroke (as part of Los Angeles Prehospital Stroke Screen)
- 2. Altered mental status unclear etiology
- 3. Seizure
- 4. Known or suspected diabetes

Contraindications: None

### Technique:

- 1. Calibrate the meter per manufacturer instructions.
- 2. Use only manufacturer approved test strips.
  - a. Run a control test every time a new box of test strips is used.
  - b. Store unused test strips in original container and do not use **EXPIRED** test strips.
  - c. Do not apply blood to the test strip before inserting the test strip into the meter. If the meter displays a result before applying blood **DO NOT** use that result.
  - d. Do not reuse test strips. Once blood is applied to test strip discard it.
  - e. If another glucometry reading is required, use a new test strip.
  - f. Do not expose strips to heat outside the recommended range, moisture or humidity.

### **Determining Blood Glucose:**

- 1. Using universal precautions, power on the meter.
- 2. Insert a test strip into the meter per manufacturer instructions.
- 3. Position hand palm-side up; choose whichever finger is least calloused.
- 4. Apply intermittent pressure to the finger to help the blood to flow.
- 5. Clean the fingertip with alcohol. Start in the middle and work outward to prevent contaminating the area. Allow area to dry.
- 6. Hold the finger and firmly place a new, sterile lancet <u>off-center</u> on the fingertip and firmly press the lancet to puncture the fingertip.
- 7. Wipe away the first drop of blood with a sterile gauze pad, then apply blood to test strip.
- 8. Properly dispose of all contaminated supplies.