



JOHNS HOPKINS
LIFELINE

Ground And Air Medical Transportation Services

MIEMSS Optional Supplemental Protocols



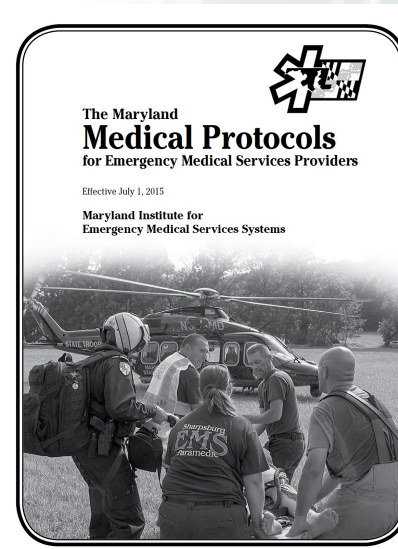
JOHNS HOPKINS
M E D I C I N E

Glucometer Optional Supplemental Protocols



Glucometer Optional Supplemental Program

- Key Points as listed in the Protocols effective July 1, 2015.



Glucometer Optional Supplemental Program

- Purpose
 - The glucometer should be utilized by BLS providers to determine the blood glucose level in an attempt to determine the etiology of the patient's condition and provide treatment tailored to the needs of the patient before ALS intervention can be made.

Glucometer Optional Supplemental Program

- Indications
 - The glucometer should be utilized for any patient presenting with an altered mental status, seizure activity, or unresponsiveness.

Glucometer Optional Supplemental Program

- Adult patient treatment for blood glucose level less than 70 mg/dl
 - Administer glucose paste (10–15 grams) between the gum and cheek. Consider single additional dose of glucose paste if not improved after 10 minutes. Precaution note- patient without gag reflex may aspirate.

Brief Overview of Oral Glucose

Administration of Oral Glucose: *Overview*

https://www.youtube.com/watch?v=OlhNx_eL3Wc

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7

Glucometer Optional Supplemental Program



Pediatric patient treatment for blood glucose level less than 70 mg/dl

- Administer glucose paste (10–15 grams) between the gum and cheek; this may be accomplished through several small administrations. Consider single additional dose of glucose paste if not improved after 10 minutes.

Glucometer Optional Supplemental Program



IF THE GLUCOSE LEVEL IS
GREATER THAN 100 MG/DL,
DO NOT ADMINISTER
GLUCOSE PASTE

Glucometer Optional Supplemental Program

- Gather Supplies
 - At least 1 alcohol prep
 - 1 Lancet
 - Vial of Strips (verify expiration date)
 - Glucometer
 - Band-Aid and 2X2 Gauze pad

Glucometer Optional Supplemental Program

- Prepare Equipment
 - Load strip into glucometer
 - Open Band-Aid
- Site Prep
 - Choose finger to obtain sample
 - Use Alcohol pad to clean distal end of finger (pad) to obtain blood sample
 - Allow alcohol to dry
 - Do not blow on site or wipe dry

Glucometer Optional Supplemental Program

- Obtain sample via lancet puncture
 - DO NOT MILK SITE
 - Apply gentle pressure to sides of finger
 - Wipe first drop of blood away with gauze
 - Reapply gentle pressure to sides of finger
 - After lancet usage, used lancet must be placed in approved sharps container.

Glucometer

Optional Supplemental Program

- Testing sample
 - Touch drop of blood to end of test strip until window is completely covered with blood
 - Wait for meter to countdown to 0
 - Reading will appear on screen
 - Record reading in patient care report

Glucometer Optional Supplemental Program

- If reading is below 20 mg/dl LOW will appear on screen
- If reading is above 600 mg/dl HIGH will appear on screen
- If this appears repeat procedure on another finger for confirmation

Glucometer Optional Supplemental Program

- Quality Control testing procedure
 - Verify strips are in date they expire 3 months from opening and shall be labeled as such
 - Verify Low and High Quality Control Solutions are in date they expire 3 months from opening and shall be labeled as such

Glucometer

Optional Supplemental Program

- Insert testing strip into glucometer
 - Low Control Solution shake to mix then squeeze until drop appears on end of bottle touch drop to end of testing strip
 - Verify result is between __ _ and __ _ mg/dl this is on testing strip label.
 - Repeat for High Control Solution is between __ _ _ and __ _ _ mg/dl

Glucometer Optional Supplemental Program

- Any values outside of ranges require removal of Glucometer from service
- Obtain replacement Glucometer until Glucometer with abnormal test is checked