

# Southern Illinois Regional EMS System

## EE-3 DIABETIC/GLUCOSE EMERGENCIES

### BLS:

- Adult Patient Assessment and General Care protocol
- Obtain and record blood glucose level.
- Obtain thorough medication history:
  - Time of last medication dosage and last oral intake.
- Vomiting and seizure precautions.
- Blood Glucose < 60 and Signs and Symptoms of Insulin Shock/Hypoglycemia (weakness, lethargy, ALOC, diaphoresis):
  - Oxygen 15LPM NRB to O<sub>2</sub> sat > 94%
  - If patient awake with intact gag reflex, administer **Oral Glucose tube x1**.
  - If patient is not awake or incapable of protecting their airway:
    - Consider ALS intercept
  - Rapid transport
- Blood Glucose Level > 200 or Signs and Symptoms of Hyperglycemia/Ketoacidosis:
  - Don't discourage Kussmaul respirations.
  - Oxygen 2-4 LPM cannula to O<sub>2</sub> sat > 94%
  - Consider ALS intercept
  - Rapid transport

### ALS/ILS:

- Adult Patient Assessment and General Care protocol
- Obtain and record blood glucose level.
- Obtain thorough medication history:
  - Time of last medication dosage and last oral intake.
- Vomiting and seizure precautions.
- Blood Glucose < 60 and Signs and Symptoms of Insulin Shock/Hypoglycemia (weakness, lethargy, ALOC, diaphoresis):
  - Oxygen 15LPM NRB to O<sub>2</sub> sat > 94%
  - If patient awake with intact gag reflex, administer **Oral Glucose tube x1**.
  - If patient is not awake or incapable of protecting their airway
    - Administer **50% Dextrose 25g IVP**.
  - If unable to start IV:
    - Administer **Glucagon 1mg IM**.
  - Contact Medical Control
  - Transport
  - Observe and document response to treatment.
  - If patient shows limited or no response to treatment within 5 minutes:
  - Repeat **50% Dextrose 25g IVP**.
    - (ALS) Consider **Thiamine 100mg IV/IO**.
  - Obtain and record glucose level after treatment if transport time allows.

### **NOTE: If D50 is indicated but unavailable:**

- Administer **Glucagon 1mg IM**.
- Follow with dextrose 10% in water, **D10W 250mL** bolus with macrodrip tubing.

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## EE-3 DIABETIC/GLUCOSE EMERGENCIES (continued)

- Blood Glucose Level > 200 or Signs and Symptoms of Hyperglycemia/Ketoacidosis:
  - Don't discourage Kussmaul respirations.
  - Oxygen 2-4 LPM cannula.
  - Contact Medical Control
  - Consider 200 mL IV bolus of NS.
  - Transport