

## Kittitas County Prehospital Care Protocols

**Subject:** GLUCAGON

### **ACTION:**

- Causes breakdown of glycogen to glucose.
- Inhibits glycogen synthesis.
- Elevates blood glucose level.
- Positive Inotrope.
- Positive Chronotrope

### **INDICATIONS:**

- Hypoglycemia
- Beta Blocker Overdose**

### **CONTRAINDICATIONS:**

- Hypersensitivity to the drug.

### **PRECAUTIONS:**

- Only effective if there are sufficient stores of glycogen within the liver.
- Use with caution in patients with cardiovascular or renal disease.
- Draw blood glucose prior to administration.

### **SIDE EFFECTS:**

- Few in emergency situations

### **DOSAGE:**

- Hypoglycemia: 1 unit **may repeat in 10-20 minutes if no response.**

- Beta Blocker Overdose: 3-10 units IV over 1 minute. May be followed by an infusion of 2-5 units/hr.**

- Note: 1 unit = 1 mg**

### **ROUTE:**

- IV
- IM

### **PEDIATRIC DOSE:**

- Rarely used.

**Effective Date:** September 23, 2009

**Medical Program Director:**

ALS

Latest changes are in **bold**.