



## Section 13: Appendix 1: Medications

### GLUCAGON (GLUCAGEN)

Pregnancy Category - B

A	AEMT	A
P	PARAMEDIC	P

<b>ACTIONS</b>	<ol style="list-style-type: none"> <li>1. Causes breakdown of glycogen to glucose increasing blood glucose level</li> <li>2. Smooth muscle relaxant</li> <li>3. Antidote to beta blocker overdose</li> </ol>
<b>INDICATIONS</b>	<ol style="list-style-type: none"> <li>1. Correction of hypoglycemia when an vascular access is not able to be established and oral glucose is contraindicated</li> <li>2. Beta blocker overdose</li> <li>3. Esophageal foreign body obstructions</li> </ol>
<b>CONTRAINDICATIONS</b>	Known hypersensitivity
<b>PRECAUTIONS</b>	<ol style="list-style-type: none"> <li>1. Glucagon is only effective in patients with sufficient stores of glycogen (glycogen stored in liver)</li> <li>2. Glucagon can be administered on scene, but do not wait for it to take affect</li> </ol>
<b>SIDE EFFECTS</b>	<ol style="list-style-type: none"> <li>1. Nausea and vomiting</li> <li>2. Hyperglycemia</li> </ol>
<b>SUPPLIED</b>	Vials of 1mg Glucagon with 1ml of diluting solution
<b>ADULT DOSAGE</b>	<p><b>Hypoglycemia without Vascular Access:</b> 1 mg IM / IN. May repeat in 15 min</p> <p><b>Beta Blocker Overdose:</b> 3 mg IVP</p>
<b>PEDIATRIC DOSAGE</b>	<p><b>Hypoglycemia Without Vascular Access:</b> 0.1mg/kg IM / IN</p> <p><b>See <u>PEDIATRIC DRUG ADMINISTRATION CHART</u> for weight based administration</b></p>
<b>KEY POINTS</b>	<ul style="list-style-type: none"> <li>• Response is usually noticed in 5 - 20 minutes. If response is delayed, dose may be repeated</li> <li>• If IV is established after Glucagon (Glucagen) is given and patient is still hypoglycemic, administer Dextrose</li> </ul>
<b>PROTOCOL USE</b>	<ul style="list-style-type: none"> <li>• Adult Diabetic Emergencies</li> <li>• Pediatric Diabetic Emergencies</li> <li>• Pediatric Esophageal Foreign Body</li> <li>• Pediatric Seizure</li> <li>• Pediatric Shock</li> <li>• Pediatric Toxic Ingestion / Exposure / Overdose</li> <li>• Toxic Ingestion / Overdose / Exposure</li> </ul>