

# Michigan MEDICATION SECTION GLUCAGON

Initial Date: 07/19/2023

Revised Date: Section: 9-25R

# Glucagon

Pharmacological Category: Antidote; Hypoglycemia

Routes: IM/IN

#### Indications:

1. Unable to obtain IV access and dextrose is indicated

#### Contraindications:

1. Adrenal gland tumor

### **Expected effects:**

1. Increased blood glucose

#### Side effects:

- 1. Nausea
- 2. Vomiting

### **Dosing: ADULT ALTERED MENTAL STATUS**

Indication: Patient is demonstrating signs of hypoglycemia, blood glucose is < 60 mg/dL and unable to start IV.

Adults administer:

1. Glucagon 1 mg IM/IN

#### **Dosing: ADULT SEIZURE**

Indication: Seizure patient with blood glucose < 60 mg/dL and unable to start IV.

Adults administer:

1. Glucagon 1 mg IM/IN

#### **Dosing: PEDS ALTERED MENTAL STATUS**

Indication: Pediatric patient demonstrating signs of hypoglycemia, unable to start IV and blood glucose as follows:

- 1. 2 months old or younger and glucose is <40 mg/dL
- 2. 3 months old or older and glucose is <60 mg/dL

# Pediatrics administer:

- 1. Glucagon according to MI MEDIC cards
- 2. If MI MEDIC cards are not available administer:
  - a. Pediatrics age 5 or greater:
    - i. Glucagon 1 mg IM/IN
  - b. Pediatrics less than age 5:
    - i. Glucagon 0.5 mg IM/IN



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## **Dosing: PEDS SEIZURE**

Indication: Pediatric seizure patient, unable to start IV, and blood glucose as follows:

- 1. 2 months old or younger and glucose is <40 mg/dL
- 2. 3 months old or older and glucose is <60 mg/dL

### Pediatrics administer:

- 1. Glucagon according to MI MEDIC cards
- 2. If MI MEDIC cards are not available administer:
  - a. Pediatrics age 5 or greater:
    - i. Glucagon 1 mg IM/IN
  - b. Pediatrics less than age 5:
    - i. Glucagon 0.5 mg IM/IN

### Used in the Following Protocols

Altered Mental Status (Section 3 Adult Treatment)

Seizures (Section 3 Adult Treatment)

Pediatric Altered Mental Status (Section 4 Obstetrics and Pediatrics)

Pediatric Seizures (Section 4 Obstetrics and Pediatrics)