

Initial Date: 07/19/2023 Revised Date: Michigan

# 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. <u>Adults</u> 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

MCA Name Jackson County MCA MCA Board Approval 1/16/24 MCA Implementation Date 4/1/24 MDHHS Approval: 7/19/23



Initial Date: 07/19/2023 Revised Date:

## **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)