





Glucagon Emergency Devices for Managing Severe Hypoglycemia

Glucagon is safe; it is a hormone made in the pancreas and raises glucose. There is no danger of taking too much. Possible side effects are nausea and vomiting.

Glucagon comes in a kit, a pre-filled syringe or nasal powder. The kit contains everything you need in case your child has a severe low glucose. The kit includes a bottle of glucagon (the dry powder) and a syringe of clear liquid. The nasal powder, pre-filled syringe and pen are mixed and ready to administer.

<p>A.</p>  <p>Keep tube sealed until ready to use.</p>	<p>B.</p> 	<p>C.</p> 	<p>D.</p> 
<p>Baqsimi® (glucagon) nasal powder 3mg (Lilly)</p>	<p>Gvoke® (glucagon injection) pre-filled syringe and Gvoke® HypoPen®</p>	<p>Glucagon Emergency Kit (Eli Lilly) and GlucaGen® HypoKit® (Novo Nordisk®)</p>	<p>ZEGALOGUE® (glucagon injection) Autoinjector</p>

Points to Remember:

- Check the manufacturer's expiration date on the kit or on the vial that contains the glucagon powder at the time of purchase. Write the expiration date of your kit on your calendar.
- When your kit expires, practice mixing and drawing up glucagon before throwing it away.
- After mixing, solution should be clear and used immediately. Discard any unused portion and reorder kit.
- Baqsimi® do not remove shrink wrap until time of use.
- Gvoke® do not open pouch until time of use.

A. Giving Baqsimi® (glucagon) nasal powder

1. Pull red stripe to remove shrink wrap (DO NOT REMOVE SHRINK WRAP OR OPEN TUBE UNTIL YOU ARE READY TO ADMINISTER).
2. Open lid and remove device from tube:
 - a. Administering dose:
 - i. Hold device between fingers and thumb.
 - ii. Insert tip into one nostril until finger(s) touch the outside of the nose.
 - iii. Push plunger firmly all the way in. (Dose is complete when green line disappears).
 - b. Turn child on his/her side in case of nausea or vomiting. Call 911.
 - c. Stay with the child until emergency help arrives. Have someone contact parent(s).

- d. When the child awakens and can swallow, encourage the child to take small sips of a carbohydrate containing fluid (fruit juice or regular pop). If tolerated, follow with 15 grams of a carbohydrate and fat-containing food (such as peanut butter and crackers).

www.baqsimi.com/how-to-use-baqsimi (instruction video)

B. Giving Gvoke® (glucagon injection) pre-filled syringe

1. Open pouch at dotted line and remove syringe.
2. Choose injection site (lower abdomen, outer thigh or outer, upper arm).
3. Pull needle off cap (do NOT remove air bubbles).
4. Pinch skin, insert needle at 90 degree angle, then push plunger to inject medicine.
5. Turn child on side.
6. When the child awakens and can swallow, encourage the child to take small sips of a carbohydrate containing fluid (fruit juice or regular pop). If tolerated, follow with 15 grams of a carbohydrate and fat-containing food (such as peanut butter and crackers).

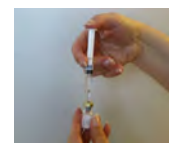
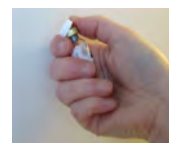
Giving Gvoke® HypoPen®

(Make sure you keep Gvoke® in its original sealed pouch until you are ready to use it).

1. Pull red cap off.
2. Administer into upper arm, stomach or thigh.
3. Push yellow end down on skin and hold for 5 seconds. Window will turn red.
4. After using, turn person on their side if they have passed out or are seizing. Call 911.

C. Glucagon Emergency Kit: Mixing and Drawing Up

1. Remove the flip-off seal from the bottle of glucagon.
2. Remove the needle protector from the syringe and inject the entire contents of the syringe into the bottle of glucagon.
3. Remove the syringe and shake bottle gently until liquid is clear. This cannot be mixed ahead of time.
4. Using the same syringe, draw the glucagon into the syringe to the prescribed dose.



Giving the Glucagon Emergency Kit

1. Insert the needle into the child's thigh and inject the entire contents of the syringe. Withdraw the needle from the skin. **Turn your child onto his or her side, in case of nausea and vomiting.**
2. **Call 911** and the student's parent.

3. When the child wakes up and can swallow, urge the child to take small sips of a carbohydrate-containing fluid (fruit juice or regular pop). If tolerated, follow with 15 grams of a carbohydrate and a fat-containing food (such as cheese and crackers).

www.cincinnatichildrens.org/service/d/diabetes (see videos)

D. ZEGALOGUE® (Autoinjector)

- ZEGALOGUE® can be stored at room temperature (68-77 degrees) for 12 months or in refrigerator. If stored at room temp, do not return to refrigerator.
- **Steps for administration for Autoinjector (Keep ZEGALOGUE® in red case until ready to use):**
 1. Remove gray cap from needle by pulling straight off
 2. Push and hold ZEGALOGUE® down for 10 seconds- may hear click
 3. Window should turn red- may hear second click
 4. Remove ZEGALOGUE® by pulling straight up, yellow needle guard will cover needle
 5. Place child on to their side in case of vomiting and to prevent choking.
 6. Call for emergency medical help or a healthcare provider right away after you have injected ZEGALOGUE®.
 7. If the person does not respond after 15 minutes, another dose may be given, if available.
 8. Once the person is able to safely consume food or drink, give 15 grams of carbohydrates (such as crackers with cheese or peanut butter).
 9. Replace the used ZEGALOGUE® so you will have a new one in case you need it.