

patient education

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Glucagon/dasiglucagon

Glucagon is a hormone that is produced in the pancreas by the alpha cells. It acts as a messenger in the body to cause stored sugars to be released from the liver. It is available as a shot and an intranasal device.

Dasiglucagon is a medication similar to glucagon that is used to treat a very low blood sugar.

When do I use glucagon/dasiglucagon? Give glucagon/dasiglucagon when your child is having a low blood sugar causing:

- Seizures (uncontrolled movements)
- Unconsciousness (your child is unable to wake up)
- Your child is unable to drink safely (could choke)

When in doubt give glucagon/dasiglucagon!

How do I use glucagon/dasiglucagon? Each kind of glucagon/dasiglucagon is listed below with details on how to use.

Always check a blood sugar before use, if possible. It is not necessary to clean the skin before giving any of the shots.

Glucagon or Glucagen Kit (intramuscular glucagon shot):

1. Remove cap from the bottle.
2. Uncover the needle and put through the rubber stopper of the bottle.
3. Push in fluid.
4. Gently swirl the bottle until powder completely dissolved.
5. Turn the bottle upside down. Draw out the amount the doctor has ordered:
 - 0.5 mg (or 0.5 mL) if less than 50 pounds
 - 1 mg (or 1 mL) if over 50 pounds
6. Inject the Glucagon into the outer-middle thigh or upper arm.

Gvoke Pre-Filled Syringe (subcutaneous glucagon):

Gvoke should not be used in children under the age of 2 years

1. Remove cap from the needle.
2. Pinch skin on stomach, outer thigh or upper arm and inject Gvoke (just as you would an insulin shot).
 - Use the 0.5 mg device if less than 99 pounds
 - Use 1 mg device if 99 pounds or over

Gvoke Autoinjector (subcutaneous glucagon):

Gvoke should not be used in children under the age of 2 years

1. Pull red cap off.
2. Push yellow end down on the skin of the stomach, outer thigh or upper arm and hold for 5 seconds. The window should turn red.
 - Use the 0.5 mg device if less than 99 pounds
 - Use 1 mg device if 99 pounds or over

Gvoke Kit (subcutaneous glucagon shot):

Gvoke should not be used in children under the age of 2 years

1. Remove blue cap from the bottle.
2. Tear open the pouch and remove the syringe.
3. Uncover the needle and put through the rubber stopper of the bottle.
4. Turn the bottle upside down. Draw out the amount the doctor has ordered.
 - 0.1 mL (0.5 mg) if less than 100 pounds • 0.2 mL (1 mg) if more than 100 pounds
5. Pinch skin on stomach, outer thigh or upper arm and inject Gvoke (just as you would an insulin shot).

Baqsimi (intranasal glucagon):

Baqsimi should not be used in children under the age of 4 years

1. Remove the shrink wrap.
2. Open the tube and remove the device.
3. Hold device between fingers and thumb – do NOT push the plunger yet.
4. Insert tip gently into one nostril until fingers touch the outside of the nose.
5. Push plunger firmly all the way in. The green line should disappear.
6. Roll your child to their side in case of vomiting.
7. If your child is not awake within 15 minutes, give a second dose using a new device or call 911.

Zegalogue Prefilled Syringe (subcutaneous dasiglucagon)

Zegalogue should not be used in children under the age of 6 years

1. Remove cap from the needle.
2. Pinch skin on stomach, outer thigh or upper arm and inject Zegalogue at a 45 degree angle.

Zegalogue Autoinjector (subcutaneous dasiglucagon):

Zegalogue should not be used in children under the age of 6 years

1. Remove the gray cap.
2. Push down yellow end down on the skin of the stomach, outer thighs or upper arm and hold for 10 seconds. The window should turn red.

Treatment after glucagon/dasiglucagon given:

1. Lay your child on their side after giving the medication in case they vomit.
2. Your child should start to wake up and respond within 10-15 minutes.

If your child is not awake in 15 minutes, give another dose of glucagon/dasiglucagon and call 911!

3. As soon as your child is awake and can swallow, start giving sugared fluids.
 4. Recheck the blood sugar – if less than 100, continue to give sugared fluids, similar to treating a low blood sugar.
 5. Continue to check the blood sugar every 15 minutes until the blood sugar is over 100.
 6. Once the blood sugar is over 100, give your child 15 grams of carbohydrate.
 7. Continue to check the blood sugar every hour to make sure the blood sugar stays above 100.
- Call the Diabetes Clinic (402-955-3871) after treatment and your child is awake and alert or with questions/concerns.

Helpful Tips:

- ALWAYS carry your child's form of glucagon/dasiglucagon with you/your child.
- Keep the medication at room temperature. DO NOT LEAVE IT IN THE CAR.
- Replace the medication if it is expired. However, if expired and you have no other option; still use it!
- Review the instructions each month.
- *Only* the Glucagon intramuscular injections can be given through clothing
- For Baqsimi, it will be absorbed even if your child is congested or unconscious.

**If you have problems getting this medication from the pharmacy, contact the Diabetes Clinic at
402-955-3871**