

Approved Patient Information Leaflet for Norditropin®

PATIENT INFORMATION LEAFLET

SCHEDULING STATUS

S5

Norditropin® 5 mg solution for injection

Norditropin® 10 mg solution for injection

Norditropin® 15 mg solution for injection

Somatropin.

Contains sweetener:

Norditropin® 5 mg and 10 mg: Each mL contains 40 mg mannitol.

Norditropin® 15 mg: Each mL contains 39 mg mannitol.

Sugar free.

Read all of this leaflet carefully before your child starts using Norditropin®

- Keep this leaflet. You may need to read it again.
- If you have further questions, please ask your child's doctor, pharmacist, nurse or other health care provider.
- Norditropin® has been prescribed for your child personally and should not be shared with other people. It may harm them, even if their symptoms are the same as your child's.

What is in this leaflet

1. What Norditropin® is and what it is used for.
2. What you need to know before your child uses Norditropin®.
3. How to use Norditropin®.
4. Possible side effects.

5. How to store Norditropin®.
6. Contents of the pack and other information.

1. What Norditropin® is and what it is used for

Norditropin® contains a biosynthetic human growth hormone called somatropin, which is identical to the growth hormone produced naturally in the body. Children need growth hormone to help them grow.

Norditropin® is used to treat growth failure in children, which is caused by:

- No or very low production of growth hormone (growth hormone deficiency)
- Turner syndrome (a genetic problem which may affect growth)

2. What you need to know before your child uses Norditropin®

Your child should not be given Norditropin®:

- if they are hypersensitive (allergic) to somatropin or to any of the other ingredients of Norditropin® (see section 6)
- if they have/had cancer or other forms of tumour
- if they receive treatment for cancer or a tumour
- If they have stopped growing (closed epiphyses) and do not have a growth hormone deficiency
- if they have an acute critical illness or have complications following open heart surgery, abdominal surgery, multiple accidental trauma, acute respiratory failure or similar conditions
- if they have proliferative or pre-proliferative diabetic retinopathy
- if they have sugar diabetes (type I and II) which is uncontrolled or poorly controlled
- if they are pregnant or breastfeeding a baby.

Warnings and precautions

Special care should be taken with Norditropin®:

- If your child develops a limp or low back pain, as these could be signs of a curved spine (scoliosis).

- If your child has diabetes (high blood sugar) or is at risk of developing diabetes (has a family history of diabetes, is severely overweight, suffers from insulin resistance).
- If your child develops a limp, or have hip or knee pain, as these could be signs of Legg-Calvé disease or Slipped capital femoral epiphysis.
- If your child has severe or recurrent headaches, eyesight problems, nausea or if vomiting occurs. These could be signs of benign intracranial hypertension.
- If your child has abnormal thyroid function, because treatment with Norditropin® can affect thyroid function.
- If your child fails to respond to treatment, as this could be a sign of formation of antibodies against somatropin. Your child should then be tested for antibodies.
- If your child is in complete remission for leukaemia. Your child should have regular follow-ups with his or her doctor.
- If your child has Turner syndrome. It is recommended that your child's doctor should measure IGF-1 levels before the start of treatment and regularly thereafter.
- If your child has Turner syndrome. Your doctor should closely monitor the growth of their hands and feet. If increased growth is observed, a reduction in the dose of Norditropin® may be considered.
- When administered to girls with Turner syndrome, as they have an increased risk of ear infections. Regular ear examinations are therefore recommended.
- If your child has ever had a cancer or another kind of tumour.
- If your child has replacement therapy with glucocorticoids, you should consult his or her doctor regularly, as your child may need adjustment of the glucocorticoid dose.
- In rare cases Norditropin® may cause inflammation of the pancreas, which causes severe pain in the abdomen and back. Contact your doctor if your child develops severe stomach-ache after taking Norditropin®.

Children treated with Norditropin® should be regularly assessed by a specialist in child growth.

Norditropin® treatment should always be investigated by a medical practitioner with special knowledge of growth hormone insufficiency and its treatment.

Other medicines and Norditropin®

Always tell your healthcare professional if your child is taking any other medicine. (This includes complementary or traditional medicines.)

Inform your doctor if your child is taking or has recently taken any of the following medicines:

- glucocorticoids (used to treat inflammation and suppress the immune system)
- thyroid hormone (used to treat an underactive thyroid)
- gonadotropin (gonad stimulating hormone)
- anabolic steroids (used to help grow and repair muscle tissues)
- oestrogen taken orally or other sex hormones
- cyclosporine (used after transplant surgery)
- anticonvulsants (used to treat seizures (fits))
- insulin (used to treat diabetes and to help one's body control blood sugar levels)

Your child's doctor may need to adjust the dose of Norditropin® or of the other medicines.

Pregnancy, breastfeeding and fertility

If your child is pregnant or breastfeeding her baby, think she may be pregnant or is planning to have a baby, please consult her doctor, pharmacist or other health care provider for advice before using Norditropin®.

Your child should not use Norditropin® if she is pregnant or breastfeeding.

Driving and using machines

Norditropin® does not affect the use of any machines or the ability to drive safely.

3. How to use Norditropin®

Do not share medicines prescribed for your child with any other person.

Your child should always take Norditropin® exactly as his or her doctor has instructed. You should check with your child's doctor or pharmacist if you are unsure.

Your child's doctor will tell you how much Norditropin® your child should receive. In children the dose depends on the body weight or body surface area. It should always be adjusted according to the individual's response to therapy.

Children with low production or lack of growth hormone

The usual dose is 0,025 to 0,035 mg per kg body weight per day.

Turner syndrome

The usual dose is 0,045 to 0,067 mg per kg body weight per day.

Your child's doctor will tell you how long treatment with Norditropin® will last. Do not stop treatment early without discussing it with your child's doctor first.

If you have the impression that the effect of Norditropin® is too strong or too weak, tell your child's doctor or pharmacist.

When to use Norditropin®

Inject your child's daily dose into the skin every evening just before bedtime.

How to use Norditropin®

Norditropin® solution comes in a multidose disposable 1,5 mL pre-filled pen.

Detailed instructions for use are included in the 'Instructions on how to use'. The instructional key points are as follows:

- Check the solution before use by turning the pen upside down once or twice. Do not use the pen if the solution is cloudy or discoloured
- Norditropin® is designed to be used with NovoFine® or NovoTwist® disposable needles up to a length of 8 mm
- Always use a new needle for each injection
- Vary the area you inject so you do not harm the skin

- To make sure your child gets the proper dose and you do not inject air, check the growth hormone flow (called 'priming' the pen) before the first injection from a new Norditropin® pen.
Do not use the pen if a drop of growth hormone solution does not appear at the needle tip
- Do not share your child's Norditropin® pen with anyone else.

Do not exceed the recommended dosage. Always use Norditropin® exactly as described in this leaflet or as your child's doctor or pharmacist have told you. Check with your child's doctor or pharmacist if you are not sure.

If your child uses more Norditropin® than he/she should

Tell your child's doctor if you inject too much Norditropin®. Long-term overdosing can cause abnormal growth and coarsening of facial features.

In the event of overdosage, consult your child's doctor or pharmacist. If neither is available, contact the nearest hospital or poison control centre.

If your child forgets to use / missed a dose of Norditropin®

Use the next dose as usual, at the normal scheduled time.

Do not use / receive a double dose to make up for forgotten individual doses.

If your child stops using Norditropin®

Do not stop the use of Norditropin® without discussing it with your child's doctor first.

If you have any further questions on the use of Norditropin®, ask your child's doctor, pharmacist or nurse.

4. Possible side effects

Norditropin® can have side effects.

Not all side effects reported for Norditropin® are included in this leaflet. Should your child's general health worsen or if your child experiences any untoward effect while using Norditropin®, please consult your child's health care provider for advice.

If any of the following happens, stop the use of Norditropin® and tell your child's doctor immediately or go to the casualty department at your nearest hospital:

- swelling of hands, feet, ankles, face, eyelids, lips and mouth or throat, which may cause difficulty in swallowing or breathing/wheezing
- rash or itching
- fainting.

These are all very serious side effects. If your child has them, he/she may have had a serious allergic reaction to Norditropin®.

Your child may need urgent medical attention or hospitalisation.

Tell your child's doctor immediately or go to the casualty department at your nearest hospital if you notice any of the following:

- headache, eyesight problems, feeling sick (nausea) and being sick (vomiting). These may be signs of raised pressure in the brain
- leukaemia (signs of recurrent infections or fever).

These are all serious side effects. Your child may need urgent medical attention.

Tell your child's doctor if you notice any of the following:

Less frequent

- headache
- redness, itching and pain in the area of injection
- muscle and joint pain
- swollen hands and feet due to fluid retention
- breast enlargement (gynaecomastia)

Frequency unknown

- underactive thyroid (decreased levels of serum thyroxin)
- high blood sugar levels
- Legg-Calvé-Perthes disease (hip or knee pain which can cause limping)
- increased levels of liver enzymes (blood alkaline phosphatase levels) when tests are done.

In children with Turner syndrome, cases of increased growth of hands and feet compared to height have been observed.

Norditropin® can increase the risk of getting ear infections in children with Turner Syndrome.

If you notice any side effects not mentioned in this leaflet, please inform your child's doctor or pharmacist.

Reporting of side effects

If you get side effects, talk to your doctor, pharmacist or nurse. You can also report side effects to SAHPRA via the Med Safety APP (Medsafety X SAHPRA) and eReporting platform (who-umc.org) found on SAHPRA website or by e-mail: infoZa@novonordisk.com or telephone 010 500 8699 (toll free). By reporting side effects, you can help provide more information on the safety of Norditropin®.

5. How to store Norditropin®

Store all medicines out of reach of children.

Do not use this medicine after the expiry date, which is stated on the package after EXP/. The expiry date refers to the last day of that month.

Before opening:

- Store unused pens in a refrigerator (2 °C to 8 °C) in the outer carton, in order to protect from light.
- Do not freeze or expose to heat. Do not store close to any cooling element.

During use:

- After first use, Norditropin® may be kept up to a maximum of 28 days at 2 °C to 8 °C (in a refrigerator), alternatively
- Norditropin® may be stored at or below 25 °C for a maximum of 21 days.

Do not use Norditropin® which has been frozen or exposed to excessive temperatures.

Return all unused medicine to your pharmacist.

Do not dispose of unused medicine in drains or sewerage systems (e.g. toilets).

6. Contents of the pack and other information

The active substance is somatropin, a biosynthetic human growth hormone which is identical to the growth hormone naturally produced in the human body.

Norditropin® 5 mg: contains somatropin 5 mg per 1,5 mL (equivalent to 3,33 mg per mL).

Norditropin® 10 mg: contains somatropin 10 mg per 1,5 mL (equivalent to 6,7 mg per mL).

Norditropin® 15 mg: contains somatropin 15 mg per 1,5 mL (equivalent to 10,0 mg per mL).

The other ingredients are histidine, hydrochloric acid (E507)/sodium hydroxide (E425) (for pH adjustment), mannitol (E421), poloxamer 188 and water for injection.

Preservative:

Phenol 0,3 % *m/v*.

What Norditropin® looks like and contents of the pack

Norditropin® is a clear and colourless solution for injection.

Norditropin® comes in a disposable pen.

The disposable pen

This is a multi-dose disposable pre-filled pen, which consists of a 1,5 mL cartridge (Type I colourless glass) permanently sealed in a plastic pen-injector. The cartridge is closed at the bottom with a rubber stopper shaped as a plunger and at the top with a laminate rubber stopper shaped as a disc

and sealed with an aluminium cap. The push button on the pen-injector is colour coded according to strength.

- 5 mg/1,5 mL – orange
- 10 mg/1,5 mL – blue
- 15 mg/1,5 mL - green

The pre-filled pen is packed in a carton.

Holder of certificate of registration

Novo Nordisk (Pty) Ltd

90 Grayston Drive

Sandown

Sandton

Gauteng

2031

This leaflet was last revised in

31 July 2026

Registration numbers

Norditropin® 5 mg: 33/21.10/0420

Norditropin® 10 mg: 33/21.10/0421

Norditropin®15 mg: 33/21.10/0422

Access to the corresponding Professional Information

To access corresponding Professional Information, scan the QR Code below.

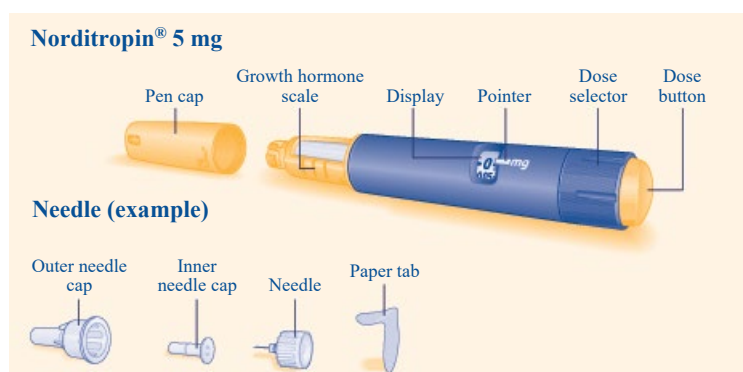
PLACE HOLDER: The QR Code to be generated and included after approval.
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Norditropin® 5 mg**Instructions on how to use the Norditropin® pen**

Please read these instructions carefully before using your Norditropin® pen.

Start by checking the name, strength and coloured label of your Norditropin® pen to make sure that it contains the growth hormone strength you need.

Read on to learn about:

Preparing your Norditropin® pen**Checking the growth hormone flow with each new pen****Selecting your dose****Injecting your dose****Caring for your Norditropin® pen****Important information**

Your Norditropin® pen is a pre-filled growth hormone pen. Norditropin® contains 5 mg human growth hormone solution and delivers doses from 0.025 mg to 2.0 mg, in increments of 0.025 mg.

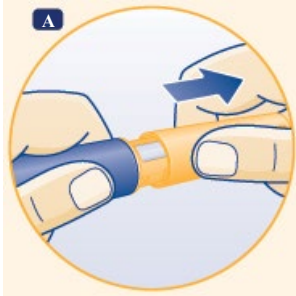
Norditropin® is designed to be used with NovoFine® or NovoTwist® disposable needles up to a length of 8 mm.

Preparing your Norditropin® pen

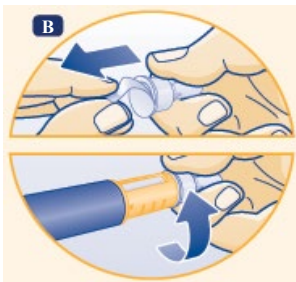
Check the name, strength and coloured label of your Norditropin® pen to make sure that it contains the growth hormone strength you need.

A Pull off the pen cap.

Check that the growth hormone solution in the pen is clear and colourless by tipping it upside down once or twice. If the solution looks unclear or cloudy, do not use the pen.



B Take a new disposable needle. Tear the paper tab off and screw the needle straight onto the pen. Make sure the needle is on tight.

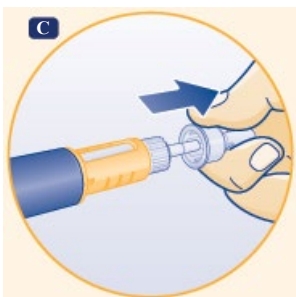


△ Always use a new needle for each injection. This reduces the risk of contamination, infection, leakage of growth hormone, blocked needles and inaccurate dosing.

△ Never bend or damage the needle.

C Pull off the outer needle cap and save it.

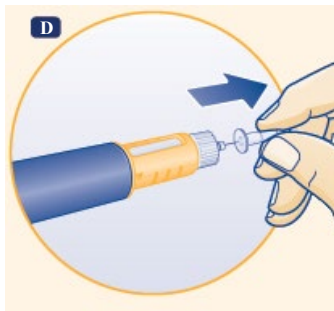
After injection, you will need it to correctly remove the needle from the pen.



D Pull off the inner needle cap and throw it away.

If you try to put it back on, you may accidentally stick yourself with the needle.

A drop of growth hormone may appear at the needle tip. This is normal.



Checking the growth hormone flow with each new pen

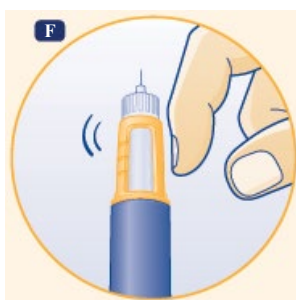
Make sure that you receive your full dose by checking the growth hormone flow before you select and inject your first dose with each new pen.

E Turn the dose selector to select the **minimum** dose, 0.025 mg.



F Hold the pen with the needle pointing up.

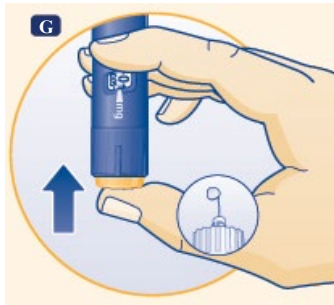
Tap the top of the pen a few times to let any air bubbles rise to the top.



G Press the dose button until the figure 0 in the display lines up with the pointer and a drop of growth hormone appears at the needle tip.

If no drop appears, repeat steps E to G up to 6 times. If no drop appears after these new attempts, change the needle and repeat steps E to G once more.

Do not use the pen if a drop of growth hormone still does not appear.



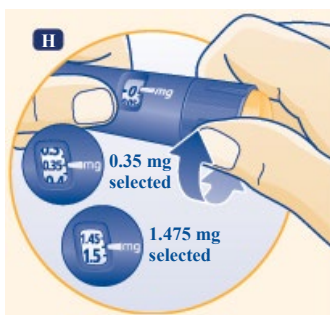
- ⚠ Always make sure that a drop appears at the needle tip before you inject your first dose with each new pen.

Selecting your dose

Use the dose selector on your Norditropin® pen to select up to 2.0 mg per dose.

- H Select or adjust the dose you need by turning the dose selector forwards or backwards until the right number of mg lines up with the pointer.

When the pen contains less than 2.0 mg, the dose selector stops at the number of mg left.



- ① The dose selector clicks differently when turned forwards, backwards or past the number of mg left.
- ① **How much growth hormone is left?**

You can use the growth hormone scale to see approximately how much growth hormone is left in the pen.

You can use the dose selector to see exactly how much growth hormone is left – if the pen contains less than 2.0 mg:

Turn the dose selector until it stops. The figure that lines up with the pointer shows how many mg are left.

If you need more growth hormone than you have left in your pen, you can use a new pen or split your dose between your current pen and a new pen.

- ⚠ Never use the pen clicks to count the number of mg you select. Only the display and pointer will indicate the exact number of mg.
- ⚠ Never use the growth hormone scale to measure how much growth hormone to inject. Only the display and pointer will indicate the exact number of mg.

Injecting your dose

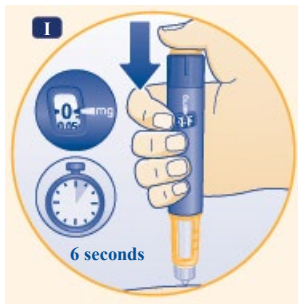
Make sure that you receive your full dose by using the right injection technique.

- I Insert the needle into your skin as your doctor or nurse has shown you. Press the dose button to inject until the figure 0 in the display lines up with the pointer.

As you do this, you may hear or feel a click.

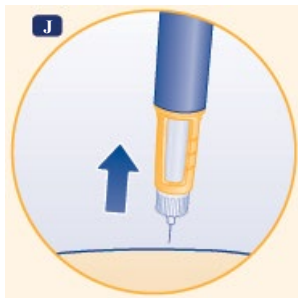
Leave the needle under the skin for at least **6 seconds** to make sure that you get your full dose.

You can let go of the dose button while you wait.



J Remove the needle from the skin.

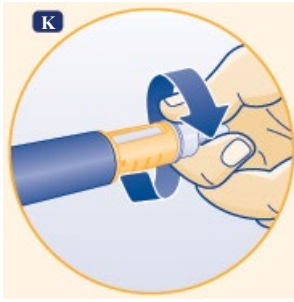
After that, you may see a drop of growth hormone at the needle tip. This is normal and has no effect on the dose you just received.



- △ Never use the pen clicks to count the number of mg you inject. Only the display and pointer will indicate the exact number of mg.
 - △ Never touch the display when you inject, as this can block the injection.
- K Put the outer needle cap back on carefully without touching the needle. Unscrew the needle and throw it away carefully as instructed by your doctor or nurse.

Put the pen cap back on after every use.

When the pen is empty, throw it away without a needle on as advised by your doctor or nurse and local authorities.



- ⚠ Never put the inner needle cap back on once you have removed it from the needle. You may accidentally stick yourself with the needle.
- ⚠ Always store the pen without a needle attached. This reduces the risk of contamination, infection, leakage of growth hormone, blocked needles and inaccurate dosing.

Caring for your Norditropin® pen

Treat your Norditropin® pen with care:

- Do not drop your pen or knock it against hard surfaces. If you do drop it or suspect that something is wrong with it, always screw on a new disposable needle and check the growth hormone flow before you inject.
- Do not try to refill your pen - it is pre-filled.
- Do not try to repair your pen or pull it apart.
- Do not expose your pen to dust, dirt, liquid or direct light.
- Do not try to wash, soak or lubricate your pen. If necessary, clean it with a mild detergent on a moistened cloth.
- Do not freeze your pen or store it close to any cooling element, e.g., in a refrigerator, store far away from the cooling elements.
- See section 5 “How to store Norditropin®” for information about how to store your pen.

⚠ **Important information**

- Always keep your pen and needles out of reach of others, especially children.
- **Never share** your pen or your needles with other people. It might lead to cross-infection.
- Caregivers must **be very careful when handling used needles** - to reduce the risk of needle injury and cross-infection.

 Important information

Pay special attention to these notes as they are important for safe use of the pen.

 Additional information

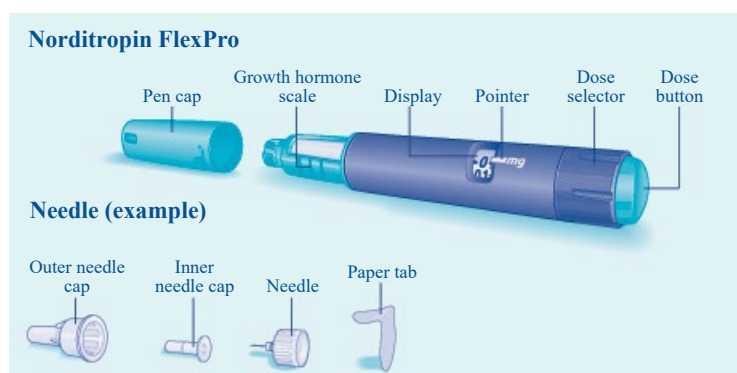
Norditropin® 5 mg

5 mg/1,5 mL

somatropin

Norditropin® 10 mg**Instructions on how to use the Norditropin® pen****Read these instructions carefully before using Norditropin®**

Start by checking the name, strength and coloured label of your Norditropin® pen to make sure that it contains the growth hormone strength you need.

Read on to learn about:**Preparing your Norditropin® pen****Checking the growth hormone flow with each new pen****Selecting your dose****Injecting your dose****Caring for your Norditropin® pen****Important information**

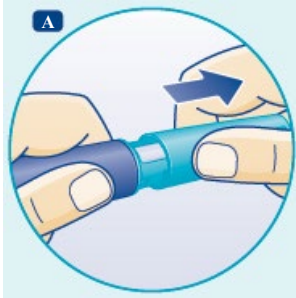
Your Norditropin® pen is a pre-filled growth hormone pen. Norditropin® contains 10 mg human growth hormone solution and delivers doses from 0.05 mg to 4.0 mg, in increments of 0.05 mg. Norditropin® is designed to be used with NovoFine® or NovoTwist® disposable needles up to a length of 8 mm.

Preparing your Norditropin® pen

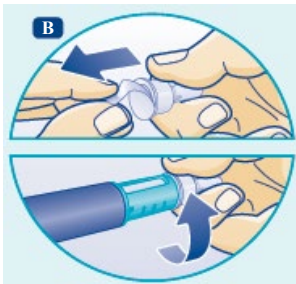
Check the name, strength and coloured label of your Norditropin® pen to make sure that it contains the growth hormone strength you need.

- A Pull off the pen cap.

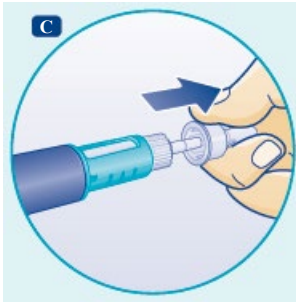
Check that the growth hormone solution in the pen is clear and colourless by tipping it upside down once or twice. If the solution looks unclear or cloudy, do not use the pen.



- B Take a new disposable needle. Tear the paper tab off and screw the needle straight onto the pen. Make sure the needle is on tight.



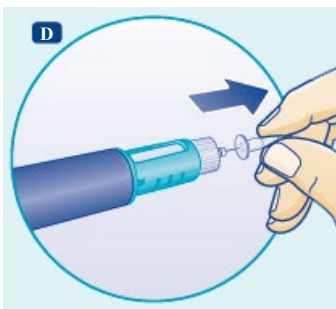
- △ Always use a new needle for each injection. This reduces the risk of contamination, infection, leakage of growth hormone, blocked needles and inaccurate dosing.
 - △ Never bend or damage the needle.
- C Pull off the outer needle cap and save it.
- After injection, you will need it to correctly remove the needle from the pen.



- D Pull off the inner needle cap and throw it away.

If you try to put it back on, you may accidentally stick yourself with the needle.

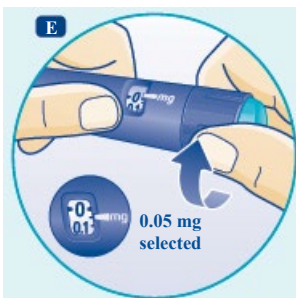
A drop of growth hormone may appear at the needle tip. This is normal.



Checking the growth hormone flow with each new pen

Make sure that you receive your full dose by checking the growth hormone flow before you select and inject your first dose with each new pen.

- E Turn the dose selector to select the **minimum** dose, 0.05 mg.



- F Hold the pen with the needle pointing up.

Tap the top of the pen a few times to let any air bubbles rise to the top.



- G Press the dose button until the figure 0 in the display lines up with the pointer and a drop of growth hormone appears at the needle tip.

If no drop appears, repeat steps E to G up to 6 times. If no drop appears after these new attempts, change the needle and repeat steps E to G once more.

Do not use the pen if a drop of growth hormone still does not appear.



- ⚠ Always make sure that a drop appears at the needle tip before you inject your first dose with each new pen.

Selecting your dose

Use the dose selector on your Norditropin® pen to select up to 4.0 mg per dose.

- H Select or adjust the dose you need by turning the dose selector forwards or backwards until the right number of mg lines up with the pointer.



- ① The dose selector clicks differently when turned forwards, backwards or past the number of mg left.

① **How much growth hormone is left?**

You can use the growth hormone scale to see approximately how much growth hormone is left in the pen.

You can use the dose selector to see exactly how much growth hormone is left – if the pen contains less than 4.0 mg:

Turn the dose selector until it stops. The figure that lines up with the pointer shows how many mg are left.

If you need more growth hormone than you have left in your pen, you can use a new pen or split your dose between your current pen and a new pen.

- ⚠ Never use the pen clicks to count the number of mg you select. Only the display and pointer will indicate the exact number of mg.

- ⚠ Never use the growth hormone scale to measure how much growth hormone to inject. Only the display and pointer will indicate the exact number of mg.

Injecting your dose

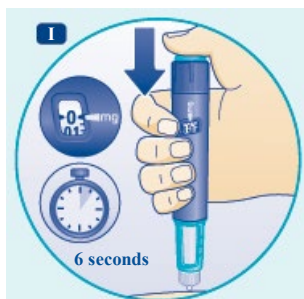
Make sure that you receive your full dose by using the right injection technique.

- I Insert the needle into your skin as your doctor or nurse has shown you. Press the dose button to inject until the figure 0 in the display lines up with the pointer.

As you do this, you may hear or feel a click.

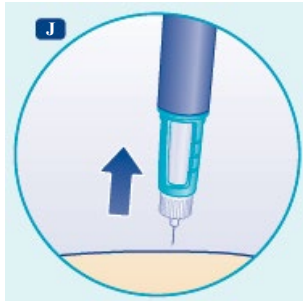
Leave the needle under the skin for at least **6 seconds** to make sure that you get your full dose.

You can let go of the dose button while you wait.



- J Remove the needle from the skin.

After that, you may see a drop of growth hormone at the needle tip. This is normal and has no effect on the dose you just received.



⚠ Never use the pen clicks to count the number of mg you inject. Only the display and pointer will indicate the exact number of mg.

⚠ Never touch the display when you inject, as this can block the injection.

K Put the outer needle cap back on carefully without touching the needle. Unscrew the needle and throw it away carefully as instructed by your doctor or nurse.

Put the pen cap back on after every use.

When the pen is empty, throw it away without a needle on as advised by your doctor or nurse and local authorities.



⚠ Never put the inner needle cap back on once you have removed it from the needle. You may accidentally stick yourself with the needle.

⚠ Always store the pen without a needle attached. This reduces the risk of contamination, infection, leakage of growth hormone, blocked needles and inaccurate dosing.

Caring for your Norditropin® pen

Treat your Norditropin® pen with care:

- Do not drop your pen or knock it against hard surfaces. If you do drop it or suspect that something is wrong with it, always screw on a new disposable needle and check the growth hormone flow before you inject.
- Do not try to refill your pen - it is pre-filled.
- Do not try to repair your pen or pull it apart.
- Do not expose your pen to dust, dirt, liquid or direct light.
- Do not try to wash, soak or lubricate your pen. If necessary, clean it with a mild detergent on a moistened cloth.
- Do not freeze your pen or store it close to any cooling element, e.g., in a refrigerator, store far away from the cooling elements.
- See section 5 “How to store Norditropin®” for information about how to store your pen.

Important information

- Always keep your pen and needles out of reach of others, especially children.
- Never **share** your pen or your needles with other people. It might lead to cross-infection.
- Caregivers must **be very careful when handling used needles** - to reduce the risk of needle injury and cross-infection.

Important information

Pay special attention to these notes as they are important for safe use of the pen.

Additional information

Norditropin® 10 mg

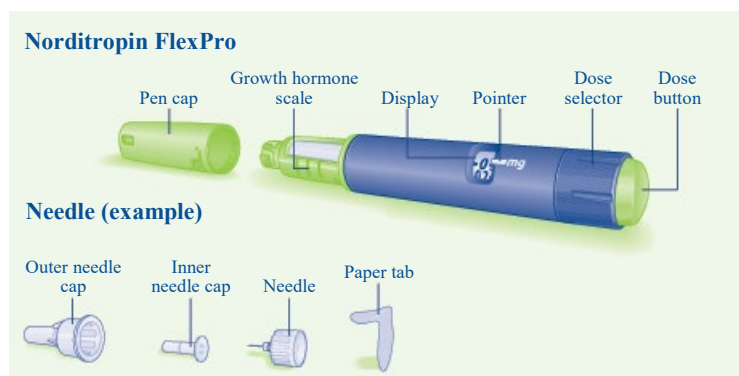
10 mg/1.5 mL

somatropin

Norditropin® 15 mg**Instructions on how to use Norditropin®**

Please read these instructions carefully before using your Norditropin® pen.

Start by checking the name, strength and coloured label of your Norditropin® pen to make sure that it contains the growth hormone strength you need.

Read on to learn about:**Preparing your Norditropin® pen****Checking the growth hormone flow with each new pen****Selecting your dose****Injecting your dose****Caring for your Norditropin® pen****Important information**

Your Norditropin® pen is a pre-filled growth hormone pen. Norditropin® contains 15 mg human growth hormone solution and delivers doses from 0.1 mg to 8.0 mg, in increments of 0.1 mg. Norditropin® is designed to be used with NovoFine® or NovoTwist® disposable needles up to a length of 8 mm.

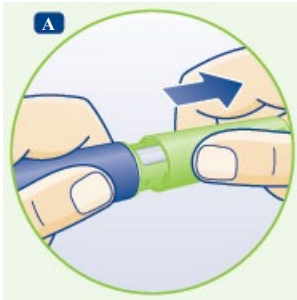
Preparing your Norditropin® pen

Check the name, strength and coloured label of your Norditropin® pen to make sure that it

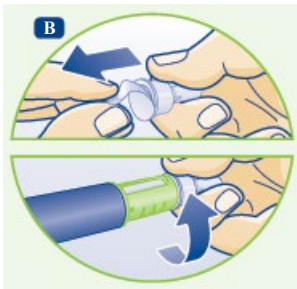
contains the growth hormone strength you need.

A Pull off the pen cap.

Check that the growth hormone solution in the pen is clear and colourless by tipping it upside down once or twice. If the solution looks unclear or cloudy, do not use the pen.



B Take a new disposable needle. Tear the paper tab off and screw the needle straight onto the pen. Make sure the needle is on tight.

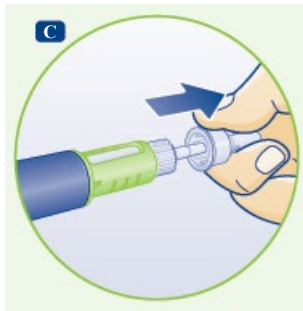


△ Always use a new needle for each injection. This reduces the risk of contamination, infection, leakage of growth hormone, blocked needles and inaccurate dosing.

△ Never bend or damage the needle.

C Pull off the outer needle cap and save it.

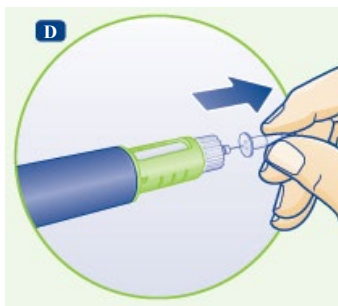
After injection, you will need it to correctly remove the needle from the pen.



D Pull off the inner needle cap and throw it away.

If you try to put it back on, you may accidentally stick yourself with the needle.

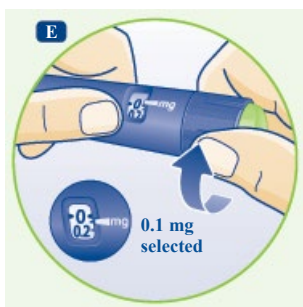
A drop of growth hormone may appear at the needle tip. This is normal.



Checking the growth hormone flow with each new pen

Make sure that you receive your full dose by checking the growth hormone flow before you select and inject your first dose with each new pen.

E Turn the dose selector to select the **minimum** dose, 0.1 mg.



- F Hold the pen with the needle pointing up.

Tap the top of the pen a few times to let any air bubbles rise to the top.



- G Press the dose button until the figure 0 in the display lines up with the pointer and a drop of growth hormone appears at the needle tip.

If no drop appears, repeat steps E to G up to 6 times. If no drop appears after these new attempts, change the needle and repeat steps E to G once more.

Do not use the pen if a drop of growth hormone still does not appear.



- △ Always make sure that a drop appears at the needle tip before you inject your first dose with each new pen.

Selecting your dose

Use the dose selector on your Norditropin® pen to select up to 8.0 mg per dose.

- H Select or adjust the dose you need by turning the dose selector forwards or backwards until

the right number of mg lines up with the pointer.



- ① The dose selector clicks differently when turned forwards, backwards or past the number of mg left

① How much growth hormone is left?

You can use the growth hormone scale to see approximately how much growth hormone is left in the pen.

You can use the dose selector to see exactly how much growth hormone is left - if the pen contains less than 8.0 mg:

Turn the dose selector until it stops. The figure that lines up with the pointer shows how many mg are left.

If you need more growth hormone than you have left in your pen, you can use a new pen or split your dose between your current pen and a new pen.

- ⚠ Never use the pen clicks to count the number of mg you select. Only the display and pointer will indicate the exact number of mg.
- ⚠ Never use the growth hormone scale to measure how much growth hormone to inject. Only the display and pointer will indicate the exact number of mg.

Injecting your dose

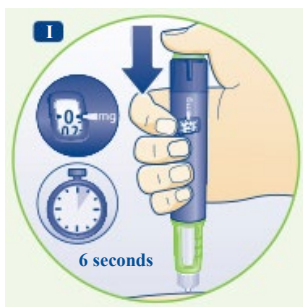
Make sure that you receive your full dose by using the right injection technique.

- I Insert the needle into your skin as your doctor or nurse has shown you. Press the dose button to inject until the figure 0 in the display lines up with the pointer.

As you do this, you may hear or feel a click.

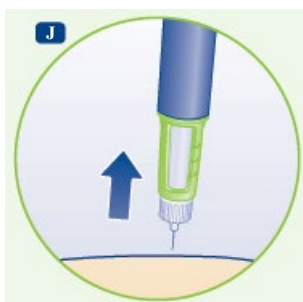
Leave the needle under the skin for at least **6 seconds** to make sure that you get your full dose.

You can let go of the dose button while you wait.



- J Remove the needle from the skin.

After that, you may see a drop of growth hormone at the needle tip. This is normal and has no effect on the dose you just received.



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- ⚠ Never touch the display when you inject, as this can block the injection.
- K Put the outer needle cap back on carefully without touching the needle. Unscrew the needle and throw it away carefully as instructed by your doctor or nurse.

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Additional information

Norditropin® 15 mg

15 mg/1,5 mL

somatropin