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About Nutropin AQ® NuSpin™

- **Nutropin AQ® NuSpin™** is a prefilled, multi-dose injection device for Nutropin AQ® [somatotropin (rDNA origin) injection], a recombinant growth hormone that works the same as naturally occurring growth hormone.
- NuSpin 10 and 20 became available on April 28, 2010, and has several innovative features designed to provide patients with a simple way to administer growth hormone including:
 - **A unique sliding dose activator** that delivers Nutropin AQ automatically, eliminating the need for patients to push a plunger;
 - **An innovative “spinning” dose knob** that signals that the full dose has been delivered; and
 - **Prefilled 5 mg, 10 mg, and 20 mg cartridges** that require no mixing, creating a simpler administration process with fewer steps and flexible dosing options.

About Nutropin® and Nutropin AQ®

Nutropin® [somatotropin (rDNA origin) for injection] and Nutropin AQ are human growth hormones approved by the U.S. Food and Drug Administration for the treatment of growth hormone deficiency in children and adults, growth failure associated with chronic renal insufficiency prior to kidney transplantation, short stature associated with Turner syndrome, and long-term treatment of idiopathic short stature.

Who is Nutropin for?

Nutropin and Nutropin AQ are human growth hormone, available by prescription only.

Doctors prescribe Nutropin for children and teenagers with growth failure who:

- Do not make enough growth hormone on their own
- Have chronic renal insufficiency—a slow loss of kidney function—and have not had a transplant
- Have Turner syndrome
- Are not likely to grow to their potential adult height, as determined by a doctor, and whose bones are still able to grow

Doctors prescribe Nutropin for adults who:

- Have growth hormone deficiency that started either in childhood or as an adult due to brain surgery, radiation therapy, trauma, or diseases of the pituitary gland or the hypothalamus

Your doctor will test to see if growth hormone is right for you.

Important Safety Information

Nutropin and your safety:

Please read this **important** safety information carefully. Then, if you have any questions, talk with your doctor.

Nutropin is NOT for:

- Children and teenagers whose bones have finished growing
- Patients who have certain types of eye disease caused by diabetes
- Patients who have active cancer or any brain tumors
- Patients who are critically ill after open heart surgery or abdominal (stomach) surgery, are severely hurt, or have severe breathing problems
- Children and teenagers who have Prader-Willi syndrome and are very overweight or have trouble breathing

If any of these apply, talk to your doctor before you start taking Nutropin.

If you are about to start taking Nutropin, or are already taking it, be sure to tell the doctor who prescribed it:

- About ALL of the medications you are taking, including supplements
- If you have or develop a brain tumor
- If you are given any new medication, especially glucocorticoid steroids like hydrocortisone or prednisone
- If you are pregnant or if you become pregnant
- About ANY other condition or illness you have or develop

What are the possible side effects of Nutropin?

You may experience discomfort, soreness, or redness where Nutropin is injected.

Contact your doctor immediately if you experience:

- Ongoing injection site discomfort
- Curvature of the spine (scoliosis)
- Joint pain
- Puffy hands and/or feet (caused by fluid retention)
- Changes in vision, a bad headache, or nausea with or without vomiting
- Hip or knee pain
- A need to limp when you walk
- Pain in wrist (carpal tunnel)
- Allergic reaction



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FACT SHEET

Be sure to inject Nutropin at a different recommended place on your body each time. Your doctor or nurse should supervise the first injection and provide training and instruction.

Your doctor is your primary source of information about your treatment.

Please see the **full Prescribing Information**, available from your pharmacy and at www.nutropin.com, for more about Nutropin and safety.

For full prescribing information for Nutropin and Nutropin AQ, please visit www.nutropin.com or call 1-866-688-7674.

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