



## UNDERSTANDING YOUR TREATMENT

**HGH**

Recombinant human growth hormone for physician-supervised hormone replacement.

- i** Human growth hormone (somatropin) is recombinant 191-amino acid GH identical to pituitary-derived hGH. FDA-approved across multiple brand names (Norditropin, Genotropin, Humatrope, others) for pediatric GH deficiency, adult GHD, Turner syndrome, Prader-Willi, chronic renal insufficiency, short bowel

## HOW IT WORKS

1

**Compound Class**

Recombinant human growth hormone (191 amino acids)

2

**Mechanism**

Direct GH replacement — binds growth hormone receptors, stimulates IGF-1 production in the liver

3

**Research Focus**

Growth hormone deficiency, body composition, bone density, metabolic health

**Talk to your prescriber about whether HGH may be right for you**

This compound is available by prescription only



## WHAT RESEARCHERS HAVE FOUND

### Body Composition in Adult GH Deficiency

Multiple randomized controlled trials demonstrate that GH replacement in GH-deficient adults reduces visceral fat, increases lean body mass, and improves bone mineral density.

*Journal of Clinical Endocrinology & Metabolism, 2009*

### Quality of Life Improvements

GH replacement therapy improves quality of life scores, energy levels, and exercise capacity in adults with documented GH deficiency.

*Endocrine Reviews, 2011*

## QUESTIONS TO ASK YOUR PROVIDER

- ? What is the evidence level supporting HGH (Somatropin) for this patient's specific clinical indication?
- ? What monitoring schedule (labs, symptoms, follow-up) should I establish?
- ? Are there drug interactions or contraindications I need to screen for?
- ? What is the recommended cycling protocol to optimize efficacy and minimize tolerance?
- ? What is the current regulatory and compounding status for HGH (Somatropin)?

## IMPORTANT SAFETY INFO

- HGH requires regular physician monitoring of IGF-1 levels, blood glucose, and metabolic markers
- Common side effects include fluid retention, joint stiffness, and carpal tunnel-like symptoms (usually dose-related)
- May worsen pre-existing diabetes or insulin resistance — glucose monitoring essential
- Contraindicated with active cancer or history of cancer (GH promotes cell proliferation)
- FDA-approved only for specific indications — off-label anti-aging use requires careful risk-benefit assessment

### Have Questions?

## Eternal Beauty Medical Aesthetics

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This is a compounded preparation and is NOT an FDA-approved product. It is prepared by a licensed pharmacy based on a prescription from your healthcare provider. The safety and efficacy of this compounded preparation have not been established by the FDA.