



Policy Type: PA/SP Pharmacy Coverage Policy: EOCCO126

Description

Somatropin and somapacitan are purified polypeptide hormones of recombinant DNA origin. Somatropin is comprised of amino acids in a sequence identical to that of human growth hormone. Somapacitan includes a single substitution in the amino acid backbone to which an albumin-binding moiety is attached; it is otherwise an identical amino acid sequence to human growth hormone. Human growth hormone stimulates growth of linear bone, skeletal muscle, and organs, and stimulates erythropoietin which increases red blood cell mass, exerts both insulin-like and diabetogenic effects, and enhances the transmucosal transport of water, electrolytes, and nutrients across the gut. In short-bowel syndrome, growth hormone may directly stimulate receptors in the intestinal mucosa or indirectly stimulate the production of insulin-like growth factor-I which is known to mediate many of the cellular actions of growth hormone.

Length of Authorization

Initial: Six months

i. AIDS wasting syndrome: Three months onlyii. Short bowel syndrome: One month only

iii. All other indications: Six months

Renewal: 12 months

i. AIDS wasting syndrome: Three months onlyii. Short bowel syndrome: No renewal allowed

iii. All other indications: 12 months

Quantity limits

Product Name	Indication	Dosage Form	Quantity Limit
somatropin (Genotropin)	Growth hormone deficiency (GHD),	5 mg/mL cartridge	Pediatric GHD: 0.24 mg/kg/week
(000)	children	12 mg/mL cartridge	Adult GHD:
	Growth hormone Growth hormone	0.2 mg/0.25 mL syringe	0.08 mg/kg/week
	deficiency (GHD),	0.4 mg/0.25 mL syringe	3, 3,
	adults	0.6 mg/0.25 mL syringe	Idiopathic short stature:
somatropin	Idiopathic short	0.8 mg/0.25 mL syringe	0.47 mg/kg/week
(Genotropin	stature	1 mg/0.25 mL syringe	
MiniQuick)	Prader-Willi syndrome	1.2 mg/0.25 mL syringe	Prader-Willi syndrome:
	Small for gestational	1.4 mg/0.25 mL syringe	0.24 mg/kg/week
	age	1.6 mg/0.25 mL syringe	
	Turner syndrome	1.8 mg/0.25 mL syringe	Small for gestational age:



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0.48 mg/kg/week 2 mg/0.25 mL syringe Turner syndrome: 0.33 mg/kg week Pediatric GHD: Growth hormone 0.3 mg/kg/week 5 mg vial deficiency (GHD), children Adult GHD: Growth hormone 0.0875 mg/kg/week deficiency (GHD), (0.0125 mg/kg/day) 6 mg cartridge adults Idiopathic short Idiopathic short stature: somatropin stature 0.37 mg/kg/week Short stature (Humatrope) 12 mg cartridge homeobox-containing SHOX deficiency: 0.35 mg/kg/week gene (SHOX) deficiency Small for gestational age: Small for gestational 0.47 mg/kg/week 24 mg cartridge Turner syndrome Turner syndrome: 0.375 mg/kg week Pediatric GHD:

 Growth hormone deficiency (GHD), children

Growth hormone deficiency (GHD), adults Idiopathic short

stature

Noonan syndrome

Prader-Willi syndrome

Small for gestational ageTurner syndrome

5 mg/1.5 mL pen injector

10 mg/1.5 mL pen injector

15 mg/1.5 mL pen injector

0.24 mg/kg/week

Adult GHD: 0.112 mg/kg/week (0.016 mg/kg/day)

Idiopathic short stature: 0.47 mg/kg/week

Noonan syndrome: 0.46 mg/kg/week

Prader-Willi syndrome: 0.24 mg/kg/week



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	1		
		30 mg/3 mL pen injector	Small for gestational age: 0.47 mg/kg/week
			Turner syndrome: 0.47 mg/kg week
			Pediatric GHD: 0.3 mg/kg/week
	 Growth hormone deficiency (GHD), children Growth hormone 	5 mg/2 mL pen injector	Adult GHD: <u>Age 18-35 years</u> 0.175 mg/kg/week (0.025 mg/kg/day)
somatropin (Nutropin AQ)	 Growth hormone deficiency (GHD), adults Growth failure associated with chronic renal insufficiency (CRI) Idiopathic short stature Turner syndrome 	10 mg/2 mL pen injector	Age >36 years 0.0875 mg/kg/week (0.0125 mg/kg/day)
			Chronic Renal Insufficiency:
		20 mg/2 mL pen injector	0.35 mg/kg/week Idiopathic short stature: 0.3 mg/kg/week Turner syndrome:
			0.375 mg/kg week
	Growth hormone deficiency (GHD),	5.8 mg vial	Pediatric GHD: 0.24 mg/kg/week
somatropin (Omnitrope)	children Growth hormone deficiency (GHD), adults Idiopathic short stature Prader-Willi syndrome	J	Adult GHD: 0.08 mg/kg/week
		5 mg/1.5 mL cartridge	Idiopathic short stature: 0.47 mg/kg/week
			Prader-Willi syndrome: 0.24 mg/kg/week





	 Small for gestational age Turner syndrome 	10 mg/1.5 mL cartridge	Small for gestational age: 0.48 mg/kg/week Turner syndrome: 0.33 mg/kg week	
somatropin (Saizen) somatropin (Saizen Click Easy) somatropin (Saizenprep)	 Growth hormone deficiency (GHD), children Growth hormone deficiency (GHD), adults 	5 mg vial 8.8 mg vial 8.8 mg/1.51 mL cartridge 8.8 mg cartridge	Pediatric GHD: 0.18 mg/kg/week Adult GHD: 0.07 mg/kg/week (0.01 mg/kg/day)	
somatropin (Serostim)	Wasting or cachexia associated with HIV	4 mg vial 5 mg vial 6 mg vial	28 vials/28 days	
somapacitan (Sogroya)	 Growth hormone deficiency (GHD), children Growth hormone deficiency (GHD), adults 	5 mg/1.5 mL pen 10 mg/1.5 mL pen 15 mg/1.5 mL pen	6 mL/28 days	
somatropin	 Growth hormone deficiency (GHD), children Growth hormone deficiency (GHD), adults Idiopathic short stature 	5 mg vial	Pediatric GHD: 0.3 mg/kg/week Adult GHD: 0.0875 mg/kg/week (0.0125 mg/kg/day) Idiopathic short stature: 0.37 mg/kg/week	
(Zomacton)	 Short stature homeobox-containing gene (SHOX) deficiency Small for gestational age Turner syndrome 	10 mg vial	SHOX deficiency: 0.35 mg/kg/week Small for gestational age: 0.47 mg/kg/week Turner syndrome: 0.375 mg/kg week	





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somatropin (Zorbtive)	Short bowel syndrome	8.8 mg vial	28 vials/28 days	
Somatrogon-ghla	Growth hormone	24mg/1.2mL pen	1.2ml /20days	
(Ngenla)	deficiency (GHD), children	60mg/1.2mL pen	1.2mL/28days	
		3.0 mg cartridge		
lonapegsomatropin (Skytrofa)	Growth hormone deficiency (GHD), children	3.6 mg cartridge		
		4.3 mg cartridge		
		5.2 mg cartridge		
		6.3 mg cartridge	4 cartridges/28 days	
		7.6 mg cartridge		
		9.1 mg cartridge		
		11.0 mg cartridge		
		13.3 mg cartridge		

Growth Hormone Therapy in Children and Adolescents

Initial Evaluation

- I. Growth hormone replacement may be considered medically necessary for <u>children and</u> adolescents when the following criteria below are met:
 - A. Medication is prescribed by, or in consultation with, an endocrinologist; AND
 - B. Member's epiphyses are not closed (as confirmed by radiograph of the wrist and hand);

 AND
 - C. Member has not reached final height; AND
 - D. A diagnosis of one of the following:
 - 1. Short stature associated with Turner Syndrome, Prader-Willi` Syndrome, Noonan Syndrome, SHOX gene deficiency, or Chronic renal insufficiency; AND
 - i. The member has short stature as confirmed by one of the following:
 - a. <u>Current height</u>: more than two standard deviations (SD) (less than 3rd percentile) below the mean for age and gender; **OR**
 - b. <u>Growth velocity</u>: more than two SD below the mean for age and gender over one year; **OR**
 - c. Growth velocity: more than 1.5 SD sustained over two years; OR
 - d. <u>Delayed skeletal maturation (delayed bone age)</u>: bone age compared to chronological age is equal to, or greater than, two SD below the mean for age and gender; **AND**
 - ii. Request is for Norditropin or Zomacton for Turner Syndrome; OR





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- a. Request is for Genotropin, Humatrope, Nutropin AQ, or Omnitrope for Turner Syndrome; **AND**
 - i. Treatment with Norditropin and Zomacton has been ineffective, contraindicated, or not tolerated; **OR**
- iii. Request is for Norditropin for Prader-Willi Syndrome; OR
 - a. Request is for Genotropin or Omnitrope for Prader-Willi Syndrome;
 AND
 - Treatment with Norditropin has been ineffective, contraindicated, or not tolerated; OR
- iv. Request is for Zomacton for SHOX gene deficiency; OR
 - a. Request is for Humatrope for SHOX gene deficiency; AND
 - Treatment with Zomacton has been ineffective, contraindicated, or not tolerated; OR
- v. Request is for Nutropin AQ for chronic renal insufficiency; OR
- vi. Request is for Norditropin for Noonan Syndrome; **OR**

2. Growth Hormone Deficiency; AND

- Request is for Norditropin or Zomacton; OR
 - a. Request is for Genotropin, Humatrope, Nutropin AQ, Omnitrope, Saizen, Skytrofa, Sogroya, or Ngenla; **AND**
 - i. Treatment with Norditropin **AND** Zomacton has been ineffective, contraindicated, or not tolerated; **OR**
- 3. Growth failure in children born small for gestational age (SGA); AND
 - i. Member failed to manifest catch-up growth by two years of age; AND
 - ii. Birth weight and/or length is less than two SD below the mean for gestational age; **AND**
 - iii. Height remains less than two SD below the mean age and gender at two years of age; **AND**
 - iv. Request is for Norditropin or Zomacton; OR
 - v. Request is for Genotropin, Humatrope, or Omnitrope; AND
 - **a.** Treatment with Norditropin **AND** Zomacton has been ineffective, contraindicated, or not tolerated.

Growth Hormone Therapy in Adults

Initial Evaluation

- II. **Growth hormone replacement** may be considered medically necessary in <u>adults</u> when the following criteria below are met:
 - A. Medication is prescribed by, or in consultation with, an endocrinologist or gastroenterologist; **AND**





- B. A diagnosis of one of the following:
 - 1. Short bowel syndrome; AND
 - Member is currently on specialized nutritional support that has been protein, calorie, and fluid intake-optimized for at least two weeks; AND
 - ii. The request is for somatropin (Zorbtive); OR
 - 2. HIV/AIDS associated wasting or cachexia; AND
 - i. Treatment with an appetite stimulant (dronabinol or megestrol) has been ineffective, contraindicated, or not tolerated; **AND**
 - ii. The request is for somatropin (Serostim); OR
 - 3. Adult Growth Hormone Deficiency (GHD); AND
 - i. Diagnosis of GHD that is one of the following:
 - a. Adult onset from **ONE** of the following:
 - i. genetic defects affecting the hypothalamic-pituitary axes;
 - ii. hypothalamic-pituitary structural brain defects;
 - iii. hypothalamic-pituitary disease with history of suprasellar mass with previous surgery and cranial radiation and evidence of multiple pituitary hormone deficiencies (≥3 pituitary hormone deficiencies [PHD]) and low-serum IGF-1 levels); OR
 - b. Adult onset from ONE of the following:
 - i. hypopituitarism due to pituitary disease;
 - ii. traumatic brain injury;
 - iii. hypothalamic-pituitary disease with history of suprasellar mass with previous surgery and cranial radiation and evidence of multiple pituitary hormone deficiencies (≤2 pituitary hormone deficiencies [PHD]) and low-serum IGF-1 levels; AND
 - A subnormal response to any <u>ONE</u> of the following provocative growth hormone (GH) stimulation tests:
 - a. clonidine
 - b. glucagon
 - c. insulin induced hypoglycemia
 - d. Propranolol; OR
 - c. Childhood-onset growth hormone deficiency; AND
 - i. Serum insulin-like growth factor-1 (IGF-1) concentration lower than the age- and gender appropriate reference range; OR
 - d. Idiopathic GH deficiency diagnosis; AND





- i. Diagnosis been confirmed by <u>BOTH</u> of the following:
 - A subnormal response to any <u>TWO</u> of the following provocative growth hormone (GH) stimulation tests:
 - a. Clonidine
 - b. Glucagon
 - c. Insulin induced hypoglycemia
 - d. Propranolol; AND
 - Serum insulin-like growth factor-1 (IGF-1)
 concentration lower than the age- and gender
 appropriate reference range; AND
- ii. The request is for Norditropin or Zomacton; OR
 - a. Request is for Genotropin, Humatrope, Nutropin AQ, Omnitrope, Saizen, or Sogroya; **AND**
 - i. Treatment with Zomacton AND Norditropin has been ineffective, contraindicated, or not tolerated.
- II. Growth hormone is considered <u>not medically necessary</u> when used for all other conditions, including but not limited to:
 - A. Idiopathic (i.e. of unknown origin) short stature, also called non-growth hormone deficient short stature in children
 - B. Increased athletic performance in adults
- III. Growth hormone is considered <u>investigational</u> when used for all other conditions, including but not limited to:
 - A. Growth hormone insensitivity (Laron Syndrome)
 - B. Constitutional growth delay
 - C. Children with growth failure caused by glucocorticoids
 - D. Children who are not growth hormone deficient but have short stature associated with chronic disease
 - E. Children with chromosomal and genetic disorders (except Turner's and Prader Willi Syndromes) or familial short stature
 - F. Russell Silver syndrome
 - G. Altered body habitus or lipodystrophy associated with antiviral therapy
 - H. Precocious puberty
 - I. Obesity
 - J. Cystic fibrosis
 - K. Idiopathic dilated cardiomyopathy
 - L. Juvenile idiopathic arthritis





Renewal Evaluation

- I. Member has <u>not</u> been established on therapy by the use of free samples, manufacturer coupons, or otherwise; **AND**
- II. Member has received a previous prior authorization approval for this agent through this health plan; **AND**
- III. A diagnosis of one of the following:
 - A. Children with short stature associated with Turner Syndrome, Prader-Willi Syndrome, Noonan Syndrome, SHOX Gene Deficiency, Chronic Renal Insufficiency, Children with Growth Hormone Deficiency, or Growth failure in children born small for gestational age (SGA); AND
 - a. Member's epiphyses are <u>not</u> closed (as confirmed by radiograph of the wrist and hand); AND
 - b. Member has not reached final height; AND
 - c. Member has shown a response to growth hormone therapy (i.e. increase in height, increase in height velocity); **OR**
 - B. HIV/AIDS associated wasting or cachexia; AND
 - a. Member has shown clinical benefits by an increase in muscle mass and weight from growth hormone replacement; **AND**
 - b. Member has not received more than six months of therapy; **OR**
 - C. Adult Growth Hormone Deficiency; AND
 - a. Member has shown clinical benefits from growth hormone replacement as assessed by one of the following:
 - i. Normalization of insulin-like growth factor I (IGF-I)
 - ii. Improvement in body composition (i.e. bone density increase, lipolysis changes)
 - iii. Clinical assessment of patient focusing on improvement in quality of life issues

Supporting Evidence

I. All recombinant human growth hormone (GH) products that are administered via daily injections are somatropin and other than device and FDA approved indications, there is little to no differentiation between these products. Skytrofa (lonapegsomatropin) and Ngenla (somatrogon-ghla) are long-acting, pegylated prodrug of a human growth hormone (somatropin) indicated in pediatric patients, offering once weekly dosing. Sogroya (somapacitan), provides the option of weekly administration in both pediatrics and adults; however, the adult efficacy results were based on a single trial in which numerical values compared to open-label Norditropin showed lower results in adults. Sogroya (somapacitan) was evaluated statistically only against placebo in a space with several established treatment options





- and patients in the trial were treatment naïve, thus place in therapy and clinical efficacy compared to other available agents is unknown in adults.
- II. Sogroya (somapacitan) was evaluated for children and adolescents in a Phase 3, randomized, multinational, open-label, active-controlled parallel group (somatropin [Norditropin®]) 52-week trial (REAL4) in 200 children and adolescents with treatment naïve growth hormone deficiency. The groups were randomized 2:1 in respect to weekly somapacitan (n=132) and daily somatropin (n=68).
- III. Its primary outcome, longitudinal treatment difference in growth in children assessed by annualized height velocity (HV cm/y), found weekly somapacitan (Sogroya) to be non-inferior to the active-controlled daily GH (somatropin [Norditropin®]). Secondary endpoints include change from baseline to week 52 in HV SD score (HD SDS), height SDS (HSDS), and bone age (BA) versus calculated age (CA) ratio.
- IV. A two-year extension was completed where patients who received daily somatropin (Norditropin) were switched to receive weekly somapacitan (Sogroya) 0.16mg/kg/wk, while current weekly somapacitan patients were continued on therapy. Both groups (somapacitan group and the switch group) continued to show comparable efficacy in height velocity at week 104 versus the new "baseline" at week 52. Long-term safety was comparable to the original 52-week trial and there were no new safety signals in the extension. Overall quality of evidence in pediatrics is moderate as it is non-inferior to daily GH and the clinical outcomes measures are consistent with comparable treatment options.
- V. The agents listed above with weight based dosing quantity limits also have an alternative dosing regimen available (0.2mg/day, increasing by 0.1 to 0.2mg/daily every 1 to 2 months according to response); however, this dosing would still be approvable as it would fall below the maximum weight based dose.
- VI. The 2019 American Association of Clinical Endocrinologists (AACE) and American College of Endocrinology (ACE) updated guidance to adult GHD discussed diagnostic parameters. They recommend that certain adult population do not require GH stimulation testing to confirm diagnosis. That population includes patients with genetic defects that affect the hypothalamic-pituitary axes, hypothalamic-pituitary structural brain defects, and hypothalamic-pituitary disease with history of suprasellar mass with previous surgery and cranial radiation and evidence of multiple pituitary hormone deficiencies (≥3 pituitary hormone deficiencies [PHD]) and low-serum IGF-1 levels as these populations predict adult GHD with high specificity. The guidelines are silent on the number of confirmatory GH stimulation tests that should be completed on initial diagnosis.
- VII. The diagnosis of GH deficiency is confirmed by measurement of GH secretion, commonly following stimulation by a provocative agent. The 2019 guideline update provides new guidance on growth hormone response thresholds based on the stimulation test.
 - insulin tolerance test (ITT) less than 5 μg/L
 - glucagon-stimulation test





- i. normal weight (BMI < 25 kg/m^2) $3 \mu\text{g/L}$
- ii. overweight with high pretest probability (BMI 25 to 30 kg/m²) 3 μ g/L
- iii. overweight with low pretest probability (BMI 25 to 30 kg/m²) 1 μ g/L
- iv. obese (BMI >30 kg/m²) $1 \mu g/L$
- macimorelin-stimulation test 2.8 μg/L
- arginine and levodopa testing is no longer recommended due to the low sensitivity/specificity in adults and lack of evidence and validation.
- VIII. Due to a lack of evidence that one GH product is more beneficial than other, AACE does not recommend a particular product. AACE provides no guidance regarding length of GH therapy, but states that treatment should continue so long as benefits are seen. Discontinuation of GH treatment should be considered when no apparent benefits are achieved after at least two years of treatment.
- IX. Somatropin and somapacitan should not be used for growth promotion in pediatric patients with closed epiphyses.
- X. Zorbtive is indicated for the treatment of SBS in patients receiving specialized nutritional support. Administration for more than 4 weeks has not been adequately studied.
- XI. Payment consideration for growth hormone used to treat HIV/AIDS wasting syndrome or cachexia is reserved for members that have had an inadequate response to appetite stimulants. Per package insert, there is no safety or efficacy data available from controlled studies in which patients were treated with Serostim continuously for more than 48 weeks. There is also no safety or efficacy data available from trials in which patients with HIV wasting or cachexia were treated intermittently with Serostim. A search in the medical literature as of September 2020 revealed two prospective controlled trials which are the pivotal trials in the Serostim package insert. The search did not identify any clinical studies or reports evaluating the use of human GH longer than 48 weeks in this treatment setting.
- XII. Guidelines for Use of Growth Hormone in Clinical Practice: Patients with childhood-onset GH deficiency previously treated with GH replacement in childhood should be retested after final height is achieved and GH therapy discontinued for at least 1 month to ascertain their GH status before considering restarting GH therapy. Exceptions include those with known mutations, those with embryopathic/congenital defects, those with irreversible hypothalamic-pituitary structural lesions, and those with evidence of panhypopituitarism (at least 3 pituitary hormone deficiencies) and serum IGF-I levels below the age- and sex-appropriate reference range off GH therapy.
 - For childhood GH treatment of conditions other than GHD, such as Turner's syndrome and idiopathic short stature, there is no proven benefit to continuing GH treatment in adulthood; hence, there is no indication to retest these patients when final height is achieved.
- XIII. The Endocrine Society's clinical guidelines now recommend GH for use in idiopathic adult GH deficiency although this diagnosis is rare. Significant false-positive error rates occur in response





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to a single GH stimulation test, therefore, use of two tests is recommended before making a diagnosis. The 2019 guidelines do also recommend two tests, but only if the suspicion of idiopathic adult GHD is low. The presence of a low I GF-I also increases the likelihood that this diagnosis is correct. The presence of a low I GF-I also increases the likelihood that this diagnosis is correct.

FDA Approved Indications for Growth Hormone Products											
		HD	TS	ISS	SGA	PWS	CKD	NS	SHOX	HIV	SBS
Brand	Ch	Ad									
Genotropin	Х	Х	Х	Х	Х	Х					
Humatrope	Х	Х	х	х	х				х		
Norditropin	Х	Х	х		х	х		х			
Nutropin AQ	Х	Х	х	х			х				
Omnitrope	х	х	х	х	х	х					
Saizen	Х	Х									
Zomacton	Х	Х	х	х	х				х		
Skytrofa	Х										
Sogroya	Х	Х									
Ngenla	Х										
Serostim										Х	
Zorbtive											х

GHD = Growth Hormone Deficiency (Ch = Children, Ad = Adult)

TS = Turner Syndrome

ISS = Idiopathic Short Stature

SGA = Growth failure in children born Small for Gestational Age

PWS = Prader-Willi Syndrome in children

CKD = Growth failure due to chronic kidney disease

NS = Noonan Syndrome

SHOX = Short stature homeobox-containing gene deficiency

HIV = HIV-associated Wasting or Cachexia

SBS = Short Bowel Syndrome

Investigational or Not Medically Necessary Uses

I. Idiopathic short stature

A. Growth hormone therapy for certain conditions may not be approved when use is not expected to correct a significant functional deficit or when reduced growth is not due to an underlying medical condition. Idiopathic short stature is a term used to define height of children who are short, for unknown or hereditary reasons, compared to others in their age- and gender appropriate reference range. Idiopathic short stature is not associated with a definable physical functional impairment, is not due to growth hormone deficiency, and is not the result of accidental injury, disease, trauma, or treatment of a disease, and is not a congenital defect. Additionally, the efficacy of growth hormone therapy for





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idiopathic short stature is highly variable and those that respond may only have modest additional growth. Growth hormone therapy may be prescribed to circumvent psychosocial burden associated with idiopathic short stature; however, treatment has not been proven effective in producing those intended effects on health outcomes, such as morbidity and quality of life. The potential for modest improvement in growth and unknown impact to psychosocial burden should be balanced with safety concerns associated with treatment including increased risk of cancer, cerebrovascular disease, and metabolic side effects. Given highly variable response rate, modest potential height gain, lack of underlying medical condition, unproven impact on psychosocial burden, and risk for adverse effects, treatment with growth hormone therapy is not medically necessary.

- II. Increased athletic performance in adults
 - A. The AACE recommends that GH should only be prescribed to patients with clinical features suggestive of adult GHD. Administration of GH to patients for improvement of athletic performance or for any reason other than its approved medical uses is not recommended.
- III. There is insufficient or inconclusive medical and scientific evidence to support the safety and efficacy of growth hormone therapy in the listed conditions:
 - A. Growth hormone insensitivity (Laron Syndrome)
 - B. Constitutional growth delay
 - C. Children with growth failure caused by glucocorticoids
 - D. Children who are not growth hormone deficient but have short stature associated with chronic disease
 - E. Children with chromosomal and genetic disorders (except Turner's and Prader Willi Syndromes) or familial short stature
 - F. Russell Silver syndrome
 - G. Altered body habitus or lipodystrophy associated with antiviral therapy
 - H. Precocious puberty
 - I. Obesity
 - J. Cystic fibrosis
 - K. Idiopathic dilated cardiomyopathy
 - L. Juvenile idiopathic arthritis

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Policy Implementation/Update:

Action and Summary of Changes	Date
Added a step through Norditropin AND Zomacton when using Skytrofa for the treatment of Growth	05/2024
Hormone Deficiency	
Addition of new indication for pediatric growth hormone deficiency for Sogroya and related supportive evidence. Updated criteria for adult growth hormone deficiency based on AACE/ACE 2019 guidelines and supportive evidence. Live 4/1/2024: Updated Norditropin and Zomacton to preferred products. All other short-acting products made non-preferred.	03/2024
Addition of somatrogon (Ngenla) to non-preferred position.	11/2023
Removal of confirmatory diagnostic criteria in setting of pediatric growth hormone deficiency setting. Update to not medically necessary supporting evidence for idiopathic short stature.	08/2022
Addition of new product lonapegsomatropin in non-preferred position	08/2021
Addition of new product Sogroya in non-preferred position	02/2021
Added further supporting evidence to duration of therapy with Serostim in the setting of HIV/AIDS associated wasting or cachexia	11/2020
Updated to policy format. Updated growth hormone stimulation requirements to align with guideline recommendations (Molitch 2011 and Grimberg 2016). Added requirement of treatment to be prescribed by specialist. Removed route for coverage in the setting of idiopathic short stature as growth hormone	11/2019



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therapy for certain conditions may not be approved when growth hormone use is not expected to correct a significant functional deficit OR when reduced growth is not due to an underlying medical condition.	
Criteria update: updated criteria to new format, deleted question defining HIV wasting, added routing questions for growth failure in children born small for gestational age added clinical notes to questions.	03/2018
Criteria Created	08/2014