

# **Clinical Policy: Somatropin (Human Growth Hormone)**

Reference Number: GA.PMN.27 Effective Date: 08/2020 Last Review Date: 08/2020 Line of Business: Medicaid

Revision Log

# See <u>Important Reminder</u> at the end of this policy for important regulatory and legal information.

### Description

The following are recombinant human growth hormones (GH) requiring prior authorization: somatropin (Genotropin<sup>®</sup>, Humatrope<sup>®</sup>, Norditropin<sup>®</sup>, Nutropin AQ<sup>®</sup>, Omnitrope<sup>®</sup>, Saizen<sup>®</sup>, Serostim<sup>®</sup>, Zomacton<sup>®</sup>, Zorbtive<sup>®</sup>).

Drugs	Children						Adults				
	GHD	PWS	TS	NS	SHOX	CKD	SGA	ISS	GHD	HIV	SBS
Genotropin	GF	GF	GF				GF	GF	Х		
Humatrope	SS/G		SS/GF	7	SS/GF		SS/	SS/	Х		
	F						GF	GF			
Norditropin	GF	GF	SS	S			SS	SS	Х		
				S							
NutropinA	GF		GF			GF		GF	Х		
Q											
Omnitrope	GF	GF	GF				GF	GF	Х		
Saizen	GF								Х		
Serostim										Х	
Zomacton	GF		SS		SS		SS	SS	Х		
Zorbtive											Х

Abbreviations: CKD: chronic kidney disease, GF: growth failure, GHD: growth hormone deficiency, HIV: human immunodeficiency virus, ISS: idiopathic short stature, NS: Noonan syndrome, PWS: Prader-Willi syndrome, SBS: short bowel syndrome, SGA: small for gestational age, SHOX: short stature homeobox-containing gene, SS: short stature, TS: Turner syndrome

# FDA Approved Indication(s)

Genotropin is indicated for treatment of:

- Children with GF due to GHD, PWS, SGA, TS, and ISS.
- Adults with either childhood-onset (CO) or adult-onset (AO) GHD.

Humatrope is indicated for treatment of:

- Children with SS or GF associated with GHD, TS, ISS, SHOX deficiency, and failure to catch up in height after SGA birth.
- Adults with either CO or AO GHD.

Norditropin FlexPro is indicated for the treatment of:

• Children with GF due to GHD, SS associated with NS, SS associated with TS, SS born SGA with no catch-up growth by age 2 to 4 years, ISS, and GF due to PWS.



• Adults with either CO or AO GHD.

Nutropin AQ is indicated for the treatment of:

- Children with GF due to GHD, ISS, TS, and CKD up to the time of renal transplantation.
- Adults with either CO or AO GHD.

Omnitrope is indicated for the treatment of:

- Children with GF due to GHD, PWS, SGA, TS, and ISS.
- Adults with either CO or AO GHD.

Saizen is indicated for:

- Children with GF due to GHD.
- Adults with either CO or AO GHD.

Serostim is indicated for treatment of:

• HIV patients with wasting or cachexia to increase lean body mass and body weight, and improve physical endurance.

Zomacton is indicated for:

- Treatment of pediatric patients who have GF due to inadequate secretion of normal endogenous GH, SS associated with TS, ISS, SS or GF in SHOX deficiency, and SS born SGA with no catch-up growth by 2 years to 4 years.
- Replacement of endogenous GH in adults with GHD.

Zorbtive is indicate for treatment of:

• SBS in adult patients receiving specialized nutritional support.

### **Policy/Criteria**

*Provider must submit documentation (such as office chart notes, lab results or other clinical information) supporting that member has met all approval criteria.* 

#### Index

### I. Initial Approval Criteria

- A. Growth Hormone Deficiency with Neonatal Hypoglycemia (off-label)
- B. Growth Hormone Deficiency with Short Stature/Growth Failure Children (open epiphyses)
- C. Genetic Disorders with Short Stature/Growth Failure Children
- D. Chronic Kidney Disease with Growth Failure Children
- E. Born Small for Gestational Age with Short Stature/Growth Failure Children
- F. Growth Hormone Deficiency Adults and Transition Patients (closed epiphyses)
- G. Short Bowel Syndrome Adults
- H. HIV-Associated Wasting/Cachexia Adults
- I. Other diagnoses/indications

### **II.** Continuing Approval Criteria

A. All Pediatric Indications (open epiphyses)



- B. Growth Hormone Deficiency Adults and Transition Patients (closed epiphyses)
- C. Short Bowel Syndrome Adults
- D. HIV-Associated Wasting/Cachexia Adults
- E. Other diagnoses/indications

## III. Diagnoses/Indications for which coverage is NOT authorized:

## **IV. Appendices**

V. Dosage and Administration

## VI. Product Availability

### VII. References

It is the policy of health plans affiliated with Centene Corporation<sup>®</sup> that somatropin (recombinant human growth hormone (rhGH)) is **medically necessary** when the following criteria are met:

### I. Initial Approval Criteria

- A. Growth Hormone Deficiency with Neonatal Hypoglycemia (off-label) (must meet all):
  - 1. Diagnosis of neonatal hypoglycemia due to GHD;
  - 2. Prescribed by or in consultation with a pediatric endocrinologist;
  - 3. Age  $\leq 1$  month;
  - 4. Serum GH concentration  $\leq$  5 µg/L;
  - 5. Member meets (a or b):
    - a. Imaging shows hypothalamic-pituitary abnormality;
    - b. Deficiency of  $\geq$  1 anterior pituitary hormone other than GH (e.g., ACTH, TSH, LH, FSH, prolactin);
  - 6. The requested product is not prescribed concurrently with Increlex<sup>®</sup> (mecasermin);
  - 7. If request is NOT for Norditropin, Norditropin product excipients are contraindicated or member has experienced a clinically significant adverse effect to Norditropin;
  - 8. Dose does not exceed 0.30 mg/kg per week.

### **Approval duration: 12 months**

- **B.** Growth Hormone Deficiency with Short Stature/Growth Failure Children *(open epiphyses)* (must meet all):
  - 1. Diagnosis of GHD;
  - 2. Prescribed by or in consultation with a pediatric endocrinologist;
  - 3. Age < 18 years;
  - 4. If age > 10 years, open epiphysis on x-ray;
  - 5. Member meets (a or b):
    - a. Low insulin-like growth factor (IGF)-I serum level;
    - b. Low insulin-like growth factor binding protein (IGFBP)-3 serum level;
  - 6. Member meets (a, b, c, d, or e):
    - a. Two GH stimulation tests with peak serum levels  $\leq 10 \ \mu g/mL$  (e.g., stimulants: arginine, clonidine, glucagon);
    - b. Deficiency of  $\geq$  3 pituitary hormones (i.e., ACTH, TSH, LH, FSH, prolactin);
    - c. Surgery or radiotherapy to the hypothalamic-pituitary region;
    - d. Imaging shows hypothalamic-pituitary abnormality;



- e. GHD-specific mutation (e.g., POU1F1, PROP1, LHX3, LHX4, HESX1, OTX2, TBX19, SOX2, SOX3, GLI2, GHRHR, GH1);
- 7. Member meets (a or b):
  - a. SS: height < -2 SD below the mean for age and gender (SD and height within the last 90 days required);
  - b. GF: growth has slowed by more than 1 SD in  $\geq$  6 months (SD and 2 heights  $\geq$  6 months apart within the last year required);
- 8. The requested product is not prescribed concurrently with Increlex (mecasermin);
- 9. If request is NOT for Norditropin, Norditropin product excipients are contraindicated or member has experienced a clinically significant adverse effect to Norditropin;
- 10. Dose does not exceed 0.30 mg/kg per week.

## **Approval duration: 12 months**

### C. Genetic Disorders with Short Stature/Growth Failure - Children (must meet all):

- 1. Diagnosis of PWS, TS, NS, or SHOX deficiency confirmed by a genetic test;
- 2. Prescribed by or in consultation with a pediatric endocrinologist;
- 3. Age < 18 years;
- 4. If age > 10 years, open epiphysis on x-ray;
- 5. Member meets (a or b):
  - a. SS: height < -2 SD (< -1.5 SD if TS) below the mean for age and gender (SD and height within the last 90 days required);
  - b. GF: growth has slowed by more than 1 SD in  $\ge 6$  months (SD and 2 heights  $\ge 6$  months apart within the last year required);
- 6. The requested product is not prescribed concurrently with Increlex (mecasermin);
- 7. If request is NOT for Norditropin, Norditropin product excipients are contraindicated or member has experienced a clinically significant adverse effect to Norditropin;
- 8. Request meets one of the following (a, b, or c):
  - a. PWS: Dose does not exceed 0.24 mg/kg per week;
  - b. TS, NS: Dose does not exceed 0.5 mg/kg per week;
  - c. SHOX deficiency: Dose does not exceed 0.35 mg/kg per week.

### **Approval duration: 12 months**

### **D.** Chronic Kidney Disease with Growth Failure – Children (must meet all):

- 1. Diagnosis of CKD;
- 2. Prescribed by or in consultation with a pediatric endocrinologist or nephrologist;
- 3. Age < 18 years;
- 4. If age > 10 years, open epiphysis on x-ray;
- 5. Member meets (a, b, c, or d):
  - a. GFR < 60 mL/min per 1.73 m<sup>2</sup> for  $\ge$  3 months;
  - b. Dialysis dependent;
  - c. Diagnosis of nephropathic cystinosis;
  - d. History of kidney transplant  $\geq 1$  year ago;
- 6. Member meets (a or b):
  - a. SS: height < -2 SD below the mean for age and gender (SD and height within the last 90 days required);



- b. GF: growth has slowed by more than 1 SD in  $\ge 6$  months (SD and 2 heights  $\ge 6$  months apart within the last year required);
- 7. The requested product is not prescribed concurrently with Increlex (mecasermin);
- 8. If request is NOT for Norditropin, Norditropin product excipients are contraindicated or member has experienced a clinically significant adverse effect to Norditropin;
- 9. Dose does not exceed 0.35 mg/kg per week.

## **Approval duration: 12 months**

# **E. Born Small for Gestational Age with Short Stature/Growth Failure - Children** (must meet all):

- 1. Diagnosis of SGA:
- 2. Prescribed by or in consultation with a pediatric endocrinologist;
- 3. Age  $\geq$  2 years and < 18 years;
- 4. If age > 10 years, open epiphysis on x-ray;
- 5. Member meets (a and b):
  - a. Birth weight or length < -2 SD below the mean for gestational age (birth weight and length, with SD, required);
  - b. Current height < -2 SD below the mean for age and gender (measured within the last year at  $\geq$  2 years of age age, SD, and height required);
- 6. The requested product is not prescribed concurrently with Increlex (mecasermin);
- 7. If request is NOT for Norditropin, Norditropin product excipients are contraindicated or member has experienced a clinically significant adverse effect to Norditropin;
- 8. Dose does not exceed 0.48 mg/kg per week.

# Approval duration: 12 months

# **F.** Growth Hormone Deficiency – Adults and Transition Patients (closed epiphyses) (must meet all):

- 1. Diagnosis of GHD;
- 2. Prescribed by or in consultation with an endocrinologist;
- 3. Age  $\geq$  18 years OR closed epiphysis on x-ray;
- 4. Member has NOT received somatropin therapy for  $\geq 1$  month prior to GH/IGF-I testing as outlined below;
- 5. Member meets (a, b, or c):
  - a. Two fasting a.m. GH stimulation tests with peak serum levels ≤ 5 µg/mL (accepted stimulants: Macrilen<sup>™</sup> [macimorelin] or combination of 2 stimulants such as arginine + glucagon);
  - b. Both of the following (i and ii):
    - i. One fasting a.m. GH stimulation test with peak serum level  $\leq 5 \ \mu g/ml$  (accepted stimulants: Macrilen [macimorelin] or combination of 2 stimulants such as arginine + glucagon);
    - ii. One low IGF-I serum level;
  - c. One low IGF-I serum level and (i, ii, or iii):
    - i. Imaging shows hypothalamic-pituitary abnormality;
    - ii. Deficiency of  $\geq$  3 pituitary hormones (i.e., ACTH, TSH, LH, FSH, prolactin);
    - iii. GHD-specific mutation (e.g., POU1F1, PROP1, LHX3, LHX4, HESX1, OTX2, TBX19, SOX2, SOX3, GLI2, GHRHR, GH1);



- 6. The requested product is not prescribed concurrently with Increlex (mecasermin);
- 7. If request is NOT for Norditropin, Norditropin product excipients are contraindicated or member has experienced a clinically significant adverse effect to Norditropin;
- 8. Dose does not exceed 0.4 mg/day (may adjust by up to 0.2 mg/day every 6 weeks to maintain normal IGF-1 serum levels; doses > 1.6 mg/day would be uncommon).

#### **Approval duration: 6 months**

#### G. Short Bowel Syndrome (must meet all):

- 1. Diagnosis of SBS;
- 2. Prescribed by or in consultation with a gastroenterologist;
- 3. Age  $\geq$  18 years;
- 4. Patient is dependent upon and receiving intravenous nutrition;
- 5. If request is NOT for Norditropin, Norditropin product excipients are contraindicated or member has experienced a clinically significant adverse effect to Norditropin;
- 6. Dose does not exceed 8 mg per day.

### Approval duration: up to 4 weeks total

#### H. HIV-Associated Wasting or Cachexia (must meet all):

- 1. Diagnosis of HIV;
- 2. Prescribed by or in consultation with a physician specializing in HIV management;
- 3. Age  $\geq$  18 years;
- 4. Unintentional weight loss of  $\geq 10\%$  in the last 12 months occurring while on antiretroviral therapy;
- 5. Failure of at least 2 pharmacologic therapies from two separate drug classes *(Appendix B)* unless contraindicated or clinically adverse effects are experienced;
- 6. If request is NOT for Norditropin, Norditropin product excipients are contraindicated or member has experienced a clinically significant adverse effect to Norditropin;
- 7. Prescribed dose does not exceed 6 mg per day.

### **Approval duration: 6 months**

#### I. Other diagnoses/indications

1. Refer to the off-label use policy for the relevant line of business if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized): CP.PMN.53 for Medicaid.

### **II. Continued Therapy**

- A. All Pediatric Indications (open epiphyses) (must meet all):
  - 1. Currently receiving medication via Centene benefit or member has previously met initial approval criteria;
  - 2. Age < 18 years OR open epiphysis on x-ray;
  - 3. Member meets (a or b):
    - a. For diagnosis of neonatal hypoglycemia, when member has received somatropin therapy for  $\geq 2$  years, member's height has increased  $\geq 2$  cm in the last year as documented by 2 height measurements taken no more than 1 year apart (dates and height measurements required);



- b. For all other pediatric diagnoses, member's height has increased ≥ 2 cm in the last year as documented by 2 height measurements taken no more than 1 year apart (dates and height measurements required);
- 4. If request is for a dose increase, request meets the one of the following (a, b, c, d, or e):
  - a. GHD with or without neonatal hypoglycemia: New dose does not exceed 0.30 mg/kg per week;
  - b. PWS: New dose does not exceed 0.24 mg/kg per week;
  - c. TS, NS: New dose does not exceed 0.5 mg/kg per week;
  - d. SHOX deficiency, CKD: New dose does not exceed 0.35 mg/kg per week;
  - e. Born SGA: New dose does not exceed 0.48 mg/kg per week.

## Approval duration: 12 months

- **B.** Growth Hormone Deficiency Adults and Transition Patients (closed epiphyses) (must meet all):
  - 1. Currently receiving medication via Centene benefit or member has previously met initial approval criteria;
  - 2. For IGF-1 test results and dosing (test conducted within the last 90 days) (a, b, or c):
    - a. Low IGF-1 serum level: If request is for a dose increase, new dose does not exceed an incremental increase of more than 0.2 mg/day and a total dose of 1.6 mg/day;
    - b. Normal IGF-1 serum level: Requested dose is for the same or lower dose;
    - c. Elevated IGF-1 serum level: Requested dose has been titrated downward.

# **Approval duration: 12 months**

- C. Short Bowel Syndrome Adults (must meet all):
  - 1. Currently receiving medication via Centene benefit or member has previously met all initial approval criteria;
  - 2. Member is responding positively to therapy;
  - 3. Member has not received the requested product for  $\geq$  4 weeks;
  - 4. If request is for a dose increase, new dose does not exceed 8 mg per day.

### Approval duration: up to 4 weeks total

### D. HIV-Associated Wasting/Cachexia - Adults (must meet all):

- 1. Currently receiving medication via Centene benefit or member has previously met all initial approval criteria;
- 2. Member is responding positively to therapy;
- 3. Member has not received  $\geq 12$  months of therapy;
- 4. If request is for a dose increase, new dose does not exceed 6 mg per day.

# Approval duration: up to 12 months total

# **E.** Other diagnoses/indications (must meet 1 or 2):

1. Currently receiving medication via health plan benefit and documentation supports positive response to therapy.

Approval duration: Duration of request or 6 months (whichever is less); or



 Refer to CP.PMN.53 if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized). Refer to the off-label use policy for the relevant line of business if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized): CP.PMN.53 for Medicaid.

#### III. Diagnoses/Indications for which coverage is NOT authorized:

- A. Non-FDA approved indications, which are not addressed in this policy, unless there is sufficient documentation of efficacy and safety according to the off label use policies – CP.PMN.53 for Medicaid or evidence of coverage documents.
- **B.** Idiopathic short stature (ISS);
- **C.** Constitutional delay of growth and puberty (i.e., constitutional growth delay; the member's growth rate is delayed compared to chronological age but appropriate for bone age as determined by x-ray);
- **D.** Familial (genetic) short stature (i.e., height velocity and bone age, as determined by x-ray, are within the normal range and one or both parents are short);
- **E.** Adult short stature or altered body habitus associated with antiviral therapy (other than HIV-associated wasting or cachexia);
- **F.** Obesity treatment or enhancement of body mass/strength for non-medical reasons (e.g., athletic gains).

#### **IV. Appendices/General Information**

11	
Appendix A: Abbreviation/Acronym Key	
CKD: chronic kidney disease	PWS: Prader-Willi syndrome
FDA: Food and Drug Administration	rhGH: recombinant human growth
GFR: glomerular filtration rate	hormone
GH: growth hormone	SBS: short bowel syndrome
GHD: growth hormone deficiency	SD: standard deviation
HIV: human immunodeficiency virus	SGA: small for gestational age
IGF-1: insulin-like growth factor-1	SHOX: short stature homeobox-containing
IGFBP-3: insulin-like growth factor	gene
binding protein-3	TS: Turner syndrome
ISS: idiopathic short stature	
NS: Noonan syndrome	

#### Appendix B: Therapeutic Alternatives

This table provides a listing of preferred alternative therapy recommended in the approval criteria. The drugs listed here may not be a formulary agent for all relevant lines of business and may require prior authorization.

Drug	Dosing Regimen	Dose Limit/Maximum Dose
Appetite Stimulants		
Megestrol (Megace®)	400 - 800 mg PO daily (10 – 20 ml/day)	800 mg/day
Dronabinol (Marinol <sup>®</sup> )	2.5 mg PO bid	20 mg/day



Drug	Dosing Regimen	Dose Limit/Maximum Dose				
Testosterone Replacement Products						
Testosterone enanthate or cypionate (Various brands)	50 - 400 mg IM Q2 – 4 wks	400 mg Q 2 wks				
Androderm <sup>®</sup> (testosterone transdermal)	2.5 – 7.5 mg patch applied topically QD	7.5 mg/day				
Androgel <sup>®</sup> (testosterone gel)	5 - 10 gm gel (delivers 50 – 100 mg testosterone) applied topically QD	10 gm/day gel (100 mg/day testosterone)				
Testim <sup>®</sup> (testosterone gel)	5 - 10 gm gel (delivers 50 – 100 mg testosterone) applied topically QD	10 gm/day gel (100 mg/day testosterone)				
Anabolic Steroids						
Oxandrolone (Oxandrin <sup>®</sup> )	2.5 – 20 mg PO /day	20 mg/day				
Nandrolone decanoate	100 mg IM Q week	100 mg Q wk				
Nausea/Vomiting Treatment	ts*					
chlorpormazine	10 to 25 mg PO q4 to 6 hours prn	2,000 mg/day				
perphenazine	8 to 16 mg/day PO in divided doses	64 mg/day				
prochlorperazine	5 to 10 mg PO TID or QID	40 mg/day				
promethazine	12.5 to 25 mg PO q4 to 6 hours prn	50 mg/dose; 100 mg/day				
trimethobenzamide	300 mg PO TID or QID prn	1,200 mg/day				

Therapeutic alternatives are listed as Brand name<sup>®</sup> (generic) when the drug is available by brand name only and generic (Brand name<sup>®</sup>) when the drug is available by both brand and generic. \*Preferred status may be formulary-specific.

#### Appendix C: Contraindications/Boxed Warnings

- Contraindication(s):
  - Acute critical illness
  - Children with PWS who are severely obese or have severe respiratory impairment (reports of sudden death)
  - Active malignancy
  - Product hypersensitivity
  - Active proliferative or severe non-proliferative diabetic retinopathy
  - Children with closed epiphyses
- Boxed warning(s): none reported



## V. Dosage and Administration

Drug Name	Indication	Dosing Regimen	Maximum Dose
Pediatric Indications (Su	bcutaneous (	administration; weekly doses sho	uld be divided)
Genotropin, Humatrope,	GHD	G, O: 0.16 to 0.24 mg/kg/week	See dosing
Norditropin, Nutropin,		H, Z: 0.18 to 0.30 mg/kg/week	regimens
Omnitrope, Saizen,		N: 0.17 to 0.24 mg/kg/week	
Zomacton		Nu: to 0.30 mg/kg/week	
		S: 0.18 mg/kg/week	
Genotropin,	PWS	G, N, O: 0.24 mg/kg/week	0.24 mg/kg/week
Norditropin, Omnitrope			
Genotropin, Humatrope,	SGA	G, O: to 0.48 mg/kg/week	0.48 mg/kg/week
Norditropin, Omnitrope,		H, N, Z: to 0.47 mg/kg/week	
Zomacton			
Genotropin, Humatrope,	TS	G, O: 0.33 mg/kg/week	See dosing
Norditropin, Nutropin,		H, Nu, Z: to 0.375	regimens
Omnitrope, Zomacton		mg/kg/week	
<b>1</b>		N: to 0.47 mg/kg/week	
Genotropin, Humatrope,	ISS	G, O, No: to 0.47 mg/kg/week	See dosing
Norditropin, Nutropin,		H, Z: to 0.37 mg/kg/week	regimens
Omnitrope, Zomacton		Nu: to 0.30 mg/kg/week	0
Humatrope, Zomacton	SHOX	H, Z: 0.35 mg/kg/week	0.35 mg/kg/week
Norditropin	NS	0.46 mg/kg/week	0.46 mg/kg/week
Nutropin	CKD	0.35 mg/kg/week	0.35 mg/kg/week
Adult Indications (Subcu	itaneous adm		
Genotropin, Humatrope,	GHD	0.4 mg/day - may adjust by	See dosing
Norditropin, Nutropin,		increments up to 0.2 mg/day	regimen
Omnitrope, Saizen,		every 6 weeks to maintain	
Zomacton		normal IGF-1 serum levels.*	
		*Dosing regimen from Endocrine	
		Society guidelines (Fleseriu, et al.,	
		2016).	
		Adult GHD dosing should be	
		substantially lower than that	
		prescribed for children. Adult doses	
		beyond 1.6 mg/day would be	
Q		uncommon.	6 /1
Serostim	HIV-	0.1 mg/kg QOD or QD to 6	6 mg/day up to
	associated	mg QD	24 weeks
7 1.	wasting		
Zorbtive	SBS	0.1 mg/kg QD to 8 mg QD	8  mg/day up to  4
	I: humatuona )		weeks

Abbreviations: G: genotropin, H: humatrope, N: norditropin, Nu: nutropin, O: omnitrope, S: saizen, Z: zomacton

# VI. Product Availability

Drug	Availability
Genotropin lyophilized powder	Dual-chamber syringe: 5 mg, 12 mg
Genotropin Miniquick (without	Pen cartridge: 0.2 mg, 0.4 mg, 0.6 mg, 0.8 mg, 1.0 mg,
preservative)	1.2 mg, 1.4 mg, 1.6 mg. 1.8 mg, and 2.0 mg
Humatrope	Pen cartridge: 6 mg, 12 mg, 24 mg
	Vial: 5mg
Norditropin Flexpro	Pen: 5 mg/1.5 mL, 10 mg/1.5 mL, 15 mg/1.5 mL, 30
	mg/3 mL
Nutropin AQ	NuSpin: 5 mg/2 mL, 10 mg/2 mL, 20 mg/2 mL
Omnitrope	Pen cartridge: 5 mg/1.5 mL, 10 mg/1.5 mL
	Vial: 5.8 mg
Saizen	Pen cartridge: 8.8 mg
	Vial: 5 mg, 8.8 mg
Serostim	Vial: 4 mg, 5 mg, 6 mg
Zomacton	Vial: 5 mg, 10 mg
Zorbtive	Vial: 8.8 mg

# VII. References

FDA Labels

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# <u>Compendia</u>

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<u>Somatropin Therapy - Children</u>

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- Drube J, Wan M, Bonthuis M. Consensus statement: Clinical practice recommendations for growth hormone treatment in children with chronic kidney disease. Nephrology. September 2019; (15):S77-89.
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GHD - Adults and Transition Patients

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Reviews, Revisions, and Approvals	Date	P&T Approval Date
New policy created from CP.PHAR.55 Somatropin (Human Growth	8/2020	
Hormone) to maintain preferencing and redirection to Norditropin		
instead of the new Centene redirection to Zomacton. Replaced Centene		
Logo with Peach State Health Plan Logo.		

### **Important Reminder**

This clinical policy has been developed by appropriately experienced and licensed health care professionals based on a review and consideration of currently available generally accepted standards of medical practice; peer-reviewed medical literature; government agency/program approval status; evidence-based guidelines and positions of leading national health professional organizations; views of physicians practicing in relevant clinical areas affected by this clinical policy; and other available clinical information. The Health Plan makes no representations and accepts no liability with respect to the content of any external information used or relied upon in



developing this clinical policy. This clinical policy is consistent with standards of medical practice current at the time that this clinical policy was approved. "Health Plan" means a health plan that has adopted this clinical policy and that is operated or administered, in whole or in part, by Centene Management Company, LLC, or any of such health plan's affiliates, as applicable.

The purpose of this clinical policy is to provide a guide to medical necessity, which is a component of the guidelines used to assist in making coverage decisions and administering benefits. It does not constitute a contract or guarantee regarding payment or results. Coverage decisions and the administration of benefits are subject to all terms, conditions, exclusions and limitations of the coverage documents (e.g., evidence of coverage, certificate of coverage, policy, contract of insurance, etc.), as well as to state and federal requirements and applicable Health Plan-level administrative policies and procedures.

This clinical policy is effective as of the date determined by the Health Plan. The date of posting may not be the effective date of this clinical policy. This clinical policy may be subject to applicable legal and regulatory requirements relating to provider notification. If there is a discrepancy between the effective date of this clinical policy and any applicable legal or regulatory requirement, the requirements of law and regulation shall govern. The Health Plan retains the right to change, amend or withdraw this clinical policy, and additional clinical policies may be developed and adopted as needed, at any time.

This clinical policy does not constitute medical advice, medical treatment or medical care. It is not intended to dictate to providers how to practice medicine. Providers are expected to exercise professional medical judgment in providing the most appropriate care, and are solely responsible for the medical advice and treatment of members. This clinical policy is not intended to recommend treatment for members. Members should consult with their treating physician in connection with diagnosis and treatment decisions.

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#### Note:

**For Medicaid members**, when state Medicaid coverage provisions conflict with the coverage provisions in this clinical policy, state Medicaid coverage provisions take precedence. Please refer to the state Medicaid manual for any coverage provisions pertaining to this clinical policy.

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