Pharmacy Drug Policy Checklist

POLICY NAME Growth Hormone POLICY # 565P

Criteria

Excl	usion Criteria – Any of the following prevents coverage
	14.1 Idiopathic short stature is considered a clinical description and not a diagnosis of an illness, injury or disease. Due to this, coverage of growth hormone for the treatment of idiopathic short stature (ISS) is not considered medically necessary.
	14.2 ISS is generally considered a normal variant of growthLong-term benefits of intervention are unclearPredictions of adult height, with or without treatment, are imprecise
	 14.3 Most patients with ISS have normal psychosocial functioning Short stature could not be established as the cause of problems with peer relationships The effects have not been adequately studied Short stature has a minimal impact on peer perceptions of social behavior, friendship, or peer acceptance
	 14.4 Treatment with growth hormone for ISS is controversial Majority of children with short stature will experience some catch-up growth during puberty without growth hormone treatment Effects of growth hormone are modest and some children with ISS don't respond to treatment CPT Codes HCPCS Codes J2941 Injection, somatropin, 1 mg
Pref	erred Formulary Agents
	1.1 Omnitrope and Norditropin are the preferred short-acting growth hormone (GH) products. Coverage of any non-preferred short-acting agent requires a documented 3-month trial and failure of BOTH Omnitrope and Norditropin, or a documented intolerance or contraindication to BOTH Omnitrope and Norditropin.
	1.2 Coverage of Sogroya requires a documented 3-month trial and failure of BOTH Ngenla and Skytrofa, or a documented intolerance or contraindication to BOTH Ngenla and Skytrofa.

Trea	Treatment of Pediatric Growth Hormone Deficiency	
	2.1 Applicable products: Genotropin, Humatrope, Norditropin, Nutropin, Omnitrope, Saizen, Zomacton, Skytrofa, Sogroya, Ngenla	
	2.2 Documented failure of two growth hormone stimulation tests	
	2.3 Failure is defined as a peak serum growth hormone level <10ng/ml	
	2.4 Diagnostic imagery of the brain has excluded the possibility of a tumor	
	 2.5 The member's medical history exhibits one of the following: >3 standard deviations below the mean height for specific age and sex Between 2 and 3 standard deviations below the mean height for specific age and sex and less than 25th percentile for mean growth velocity (GV) over the previous year Pre-treatment 1 year height velocity >2 SD below the mean Diagnosis of congenital growth hormone deficiency Previously treated cranial radiation therapy or tumor with decreasing growth rate 	
	 2.6 Approval Time Initial: 12 months Re-approval: 12 months provided there is a documented growth velocity 2cm/year following at least one year of GH therapy 	
Trea	tment of small for gestational age (SGA) children	
	3.1 Applicable products: Genotropin, Humatrope, Norditropin, Omnitrope, Zomacton	
	3.2 Documentation of birth weight or length 2 SD below the mean for gestational age	
years of age		
	3.4 Child remains 2 SD below the median height for their specific age	
	 3.5 Approval Time: Initial: 12 months Re-approval: 12 months provided there is a documented growth velocity 2cm/year following at least one year of GH therapy 	

Treatment of Prader-Willi Syndrome	
	4.1 Applicable products: Genotropin, Norditropin, Omnitrope
	4.2 Diagnosis of Prader-Willi syndrome
	4.3 Documentation indicates no upper airway obstruction present
	4.4 If less than 30 months of age the member's pretreatment height is $>$ 2 SD below the mean and diagnosis of a slow growth velocity, OR
	4.5 If greater than 30 months of age the member's pretreatment height is >2 SD below the mean and 1-year weight velocity is > 1 SD below the mean or a pretreatment 1-year height velocity >2 SD below the mean
	4.6 Approval Time
	Initial: 12 months
	 Re-approval: 12 months provided there is a documented growth velocity 2cm/year following at least one year of GH therapy, AND
	Body composition has improved

Treatment of Children with Short Stature Homebox-Containing Gene (SHOX) Deficiency	
	5.1 Applicable products: Humatrope, Zomacton
	5.2 Diagnosis of SHOX confirmed by molecular or genetic analysis
	5.3 Member is 3 years of age
	5.4 Pretreatment height is >2 SD below the mean and 1-year height velocity is > 1 SD below the mean or a pretreatment 1-year height velocity >2 SD below the mean
	 5.5 Approval Time Initial: 12 months Re-approval: 12 months provided there is a documented growth velocity 2cm/year following at least one year of GH therapy

Treatment of Turner syndrome	
	6.1 Applicable products: Genotropin, Humatrope, Norditropin, Nutropin, Omnitrope, Zomacton
	6.2 Diagnosis of Turner's syndrome confirmed by karyotype study
	6.3 If less than 30 months of age the member's pretreatment height is >2 SD below the mean and diagnosis of a slow growth velocity, OR
	6.4 If greater than 30 months of age the member's pretreatment height is >2 SD below the mean and 1-year height velocity is > 1 SD below the mean or a pretreatment 1-year height velocity >2 SD below the mean
	 6.5 Approval Time Initial: 12 months Re-approval: 12 months provided there is a documented growth velocity 2cm/year following at least one year of GH therapy

Treatment of Noonan Syndrome	
	7.1 Applicable product: Norditropin
	7.2 Member's 1-year height velocity >2 SD below the mean
	7.3 Member's pretreatment height is >2 SD below the mean and 1-year height velocity is > 1 SD below the mean
	 7.4 Approval Time Initial: 12 months Re-approval: 12 months, provided there is a documented growth velocity 2cm/year following at least one year of GH therapy

Trea	Treatment of Growth Failure Due to Chronic Renal Insufficiency	
	8.1 Applicable product: Nutropin	
	8.2 Diagnosis of chronic renal insufficiency	
	8.3 If less than 30 months of age the member's pretreatment height is >2 SD below the mean and diagnosis of a slow growth velocity, OR	
	8.4 If greater than 30 months of age the member's pretreatment height is $>$ 2 SD below the mean and 1-year height velocity is $>$ 1 SD below the mean or a pretreatment 1-year height velocity $>$ 2 SD below the mean	
	8.5 Documentation that other metabolic, endocrine, and nutritional abnormalities are treated and stabilized	
	Acidosis	
	Malnutrition	
	Secondary hypothyroidism	
	8.6 Approval Time	
	• Initial: 12 months	
	 Re-approval: 12 months, provided there is a documented growth velocity 2cm/year following at least one year of GH therapy 	
Trea	tment of Adult Growth Hormone Deficiency Due to Pituitary Damage	
	9.1 Applicable products: Genotropin, Humatrope, Norditropin, Nutropin, Omnitrope, Saizen, Zomacton, Sogroya	
	9.2 Documented pituitary disease or brain injury involving pituitary	
	9.3 Member has a diagnosis of at least one other pituitary hormone deficiency and each deficiency is optimally treated	
	9.4 GH deficiency is confirmed by laboratory analysisDeficiency defined as peak GH response less than 5ng/ml	
	9.5 Member's QoL-AGHDA score is 11 points	
point = 1 answer in the affirmative		
	9.6 Approval Time	
	9.6 Approval TimeInitial: 12 months	

Pediatric Growth Hormone Deficiency Pediatric Growth Hormone Deficiency	
	10.1 Applicable products: Genotropin, Humatrope, Norditropin, Nutropin, Omnitrope, Saizen, Zomacton, Sogroya
	10.2 Previous treatment of pediatric growth hormone deficiency
	10.3 Documentation which states the member's growth velocity is <2cm/year and nearing their maximum adult height
	10.4 Discontinuation of previous growth hormone use for at least one month following completion of linear growth
	10.5 Completion of an IGF-1 test which indicates the level is low for the member's pretreatment age and gender
	10.6 Completion of a growth hormone stimulation test with results <5ng/ml
	10.7 Member's QoL-AGHDA score is 11 points
point = 1 answer in the affirmative	
	10.8 Approval Time
	Initial: 12 months
	 Re-approval: 12 months if the member's Qol-AGHDA score has improved by at least 7 points
Trea	tment of Early Adult-Onset Growth Hormone Deficiency
	11.1 Applicable products: Genotropin, Humatrope, Norditropin, Nutropin, Omnitrope, Saizen, Zomacton, Sogroya
	11.2 Completion of an IGF-1 test which indicates the level is low for the member's pretreatment age and gender References
	11.3 Completion of a growth hormone stimulation test with results <5ng/ml
	11.4 Member's QoL-AGHDA score is 11 points
point = 1 answer in the affirmative	
	11.5 Approval Time
	• Initial: 12 months
	 Re-approval: 12 months if the member's Qol-AGHDA score has improved by at least 7 points

Treatment of HIV-Associated Wasting Algorithm	
	12.1 Applicable product: Serostim
	12.2 Diagnosis of HIV/AIDS
	12.3 Active treatment with antiretroviral therapy
	12.4 Documented BMI of 18.5kg/m2
	 12.5 Approval Time Initial: 12 months Re-approval: 12 months with documentation that the member's BMI improved or stabilized in response to treatment

Treatment of Short Bowel Syndrome	
	13.1 Applicable product: Zorbtive
	13.2 Diagnosis of short bowel syndrome
	13.3 Documented administration of specialized nutritional support
	13.4 No previous history of growth hormone treatment
	13.5 Approval Time • Lifetime: 8 week