RS1826 - Somatropin

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August 2025

Use this checklist to determine if a patient meets the restrictions for funding in the **hospital setting**. For more details, refer to Section H of the Pharmaceutical Schedule. For community funding, see the Special Authority Criteria.

PRESCRIBER		P.	ATIENT:	
Name:			N	ame:
Ward	Ward:			HI:
Som	atro	opin		
Re-a	sses	ssmen	growth hormone deficiency in children nt required after 12 months (tick boxes where appropriate)	
and	С		cribed by, or recommended by an endocrinologist or paediatric endorsed by the Health NZ Hospital.	docrinologist, or in accordance with a protocol or guideline that has been
	or	0		t, or with other significant growth hormone deficient sequelae (e.g. 5 mcg/l on at least two random blood samples in the first 2 weeks of ood glucose < 2 mmol/l using a laboratory device)
		and	standards of Tanner and Davies (1985)	oone age/pubertal status if appropriate over 6 or 12 months using the
		and	O A current bone age is < 14 years (female patients) or < 16	years (male patients)
		and	O Peak growth hormone value of < 5.0 mcg per litre in responsive who are 5 years or older, GH testing with sex steroid primin	nse to two different growth hormone stimulation tests. In children ng is required
			If the patient has been treated for a malignancy, they shoul laboratory and radiological imaging appropriate for the mal not necessary or appropriate	d be disease free for at least one year based upon follow-up ignancy, unless there are strong medical reasons why this is either
		and	Appropriate imaging of the pituitary gland has been obtained	ed
CONTINUATION – growth hormone deficiency in children Re-assessment required after 12 months Prerequisites (tick boxes where appropriate) Prescribed by, or recommended by an endocrinologist or paediatric endocrinol endorsed by the Health NZ Hospital.			nt required after 12 months (tick boxes where appropriate) cribed by, or recommended by an endocrinologist or paediatric end	docrinologist, or in accordance with a protocol or guideline that has been
and	an	-	A current bone age is 14 years or under (female patients) or 16	years or under (male patients)
	and	0	Height velocity is greater than or equal to 25th percentile for age hormone treatment, as calculated over six months using the stan	(adjusted for bone age/pubertal status if appropriate) while on growth dards of Tanner and Davis (1985)
		\circ	Height velocity is greater than or equal to 2.0 cm per year, as cale	culated over 6 months
		\circ	No serious adverse effect that the patients specialist considers is	likely to be attributable to growth hormone treatment has occurred
		O	No malignancy has developed since starting growth hormone	
INITIATION – Turner syndrome Re-assessment required after 12 months Prerequisites (tick boxes where appropriate)				
Prescribed by, or recommended by an endocrinologist or paediatric endocrinologist, or in accordance with a protocol or guidel endorsed by the Health NZ Hospital.			docrinologist, or in accordance with a protocol or guideline that has been	
	and	O	The patient has a post-natal genotype confirming Turner Syndror	ne
	and	\circ	Height velocity is < 25th percentile over 6-12 months using the st	andards of Tanner and Davies (1985)
		O	A current bone age is < 14 years	
Lonfi	rm t	hat the	e above details are correct:	

Signed: Date:

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PRES	CRIBE	ER PATIEN	Т:
Name	:	Name:	
Ward:		NHI:	
Som	atropi	oin - continued	
Re-a	ssessm	ATION – Turner syndrome ment required after 12 months tes (tick boxes where appropriate)	
and		rescribed by, or recommended by an endocrinologist or paediatric endocrin- ndorsed by the Health NZ Hospital.	ologist, or in accordance with a protocol or guideline that has been
	and	Height velocity greater than or equal to 50th percentile for age (while o Ranke's Turner Syndrome growth velocity charts)	n growth hormone calculated over 6 to 12 months using the
	and	Height velocity is greater than or equal to 2 cm per year, calculated over	r six months
	and	A current bone age is 14 years or under	
	and	No serious adverse effect that the specialist considers is likely to be att	ributable to growth hormone treatment has occurred
	C	No malignancy has developed since starting growth hormone	
INITIATION – short stature without growth hormone deficiency Re-assessment required after 12 months Prerequisites (tick boxes where appropriate) Prescribed by, or recommended by an endocrinologist or paediatric endocrinologist, or in accordance with a protocol or guideline that has been endorsed by the Health NZ Hospital. and			ologist, or in accordance with a protocol or guideline that has been
	and	The patient's height is more than 3 standard deviations below the mea or delay	n for age or for bone age if there is marked growth acceleration
	and	Height velocity is < 25th percentile for age (adjusted for bone age/pube using the standards of Tanner and Davies(1985)	rtal status if appropriate), as calculated over 6 to 12 months
	and	A current bone age is < 14 years (female patients) or < 16 years (male	patients)
		The patient does not have severe chronic disease (including malignand medications known to impair height velocity	y or recognized severe skeletal dysplasia) and is not receiving
CON	ΤΙΝΙΙΔΤ	ATION – short stature without growth hormone deficiency	
Re-a	ssessm	ment required after 12 months tes (tick boxes where appropriate)	
and	D Pre	rescribed by, or recommended by an endocrinologist or paediatric endocrinologised by the Health NZ Hospital.	ologist, or in accordance with a protocol or guideline that has been
	and	Height velocity is greater than or equal to 50th percentile (adjusted for 12 months using the standards of Tanner and Davies (1985)	pone age/pubertal status if appropriate) as calculated over 6 to
	C	Height velocity is greater than or equal to 2 cm per year as calculated of	over six months
	and	O Current bone age is 14 years or under (female patients) or 16 years or	under (male patients)
	and	O No serious adverse effect that the patient's specialist considers is likely	to be attributable to growth hormone treatment has occurred

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PRESCRIBER			PATIENT:
Name:			Name:
Ward:			NHI:
Soma	atropin	- continued	
INITIA Re-as	ATION – sesessmer quisites	short stature due to chronic renal insufficiency It required after 12 months (tick boxes where appropriate) cribed by, or recommended by an endocrinologist, paediatric er lediatric endocrinologist, or in accordance with a protocol or gui The patient's height is more than 2 standard deviations below Height velocity is < 25th percentile (adjusted for bone age/pub standards of Tanner and Davies (1985) A current bone age is to 14 years or under (female patients) of The patient is metabolically stable, has no evidence of metabolically stable, has no evidence of metabolically stable, has no evidence of metabolically of the patient is under the supervision of a specialist with expert	the mean pertal status if appropriate) as calculated over 6 to 12 months using the r to 16 years or under (male patients) plic bone disease and absence of any other severe chronic disease dise in renal medicine 1.73 m² as measured by the Schwartz method (Height(cm)/plasma
		DN – short stature due to chronic renal insufficiency	m ²) in a child who may or may not be receiving dialysis eived < 5mg/ m ² /day of prednisone or equivalent for at least 6 months
		nt required after 12 months (tick boxes where appropriate)	
O Prescribed by, or recommended by an endocrinologist, paediatric endocrinologist or renal physician on the recommendation of a endocrinologist or paediatric endocrinologist, or in accordance with a protocol or guideline that has been endorsed by the Health NZ Hospital.			
	and	Height velocity is greater than or equal to 50th percentile (adju 12 months using the standards of Tanner and Davies (1985)	isted for bone age/pubertal status if appropriate) as calculated over 6 to
	O	Height velocity is greater than or equal to 2 cm per year as ca	culated over six months
	and	A current bone age is 14 years or under (female patients) or 1	6 years or under (male patients)
	and	No serious adverse effect that the patients specialist consider	s is likely to be attributable to growth hormone has occurred
	and	No malignancy has developed after growth hormone therapy v	was commenced
	and	The patient has not experienced significant biochemical or me	etabolic deterioration confirmed by diagnostic results
	and	The patient has not received renal transplantation since starting	ng growth hormone treatment
		If the patient requires transplantation, growth hormone prescribe made after transplantation based on the above criteria	ption should cease before transplantation and a new application should

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PRESCRIBER	PATIENT:
Name:	
Ward:	NHI:
Somatropin - c	ontinued
INITIATION – Prace Re-assessment re Prerequisites (tick of Prescribe endorsed and The and Office of State of St	der-Willi syndrome quired after 12 months k boxes where appropriate) ed by, or recommended by an endocrinologist or paediatric endocrinologist, or in accordance with a protocol or guideline that has been d by the Health NZ Hospital. e patient has a diagnosis of Prader-Willi syndrome that has been confirmed by genetic testing or clinical scoring criteria e patient is aged six months or older current bone age is < 14 years (female patients) or < 16 years (male patients) seep studies or overnight oximetry have been performed and there is no obstructive sleep disorder requiring treatment, or if an structive sleep disorder is found, it has been adequately treated under the care of a paediatric respiratory physician and/or ENT regeon The patient is aged two years or older There is no evidence of type II diabetes or uncontrolled obesity defined by BMI that has increased by greater than or equal to 0.5 standard deviations in the preceding 12 months The patient is aged between six months and two years and a thorough upper airway assessment is planned to be undertaken prior to treatment commencement and at six to 12 weeks following treatment initiation
Re-assessment re Prerequisites (tick Prescribe endorsed and He and A d and No and No and Th	Prader-Willi syndrome quired after 12 months k boxes where appropriate) ed by, or recommended by an endocrinologist or paediatric endocrinologist, or in accordance with a protocol or guideline that has been d by the Health NZ Hospital. eight velocity is greater than or equal to 50th percentile (adjusted for bone age/pubertal status if appropriate) as calculated over 6 to months using the standards of Tanner and Davies (1985) eight velocity is greater than or equal to 2 cm per year as calculated over six months current bone age is 14 years or under (female patients) or 16 years or under (male patients) e serious adverse effect that the patient's specialist con siders is likely to be attributable to growth hormone treatment has occurred e malignancy has developed after growth hormone therapy was commenced e patient has not developed type II diabetes or uncontrolled obesity as defined by BMI that has increased by greater than or equal 0.5 standard deviations in the preceding 12 months

PRESCRIBER	PATIENT:
lame:	Name:
Vard:	NHI:
Somatropin - continued	
INITIATION – adults and adolescents	
Re-assessment required after 12 months Prerequisites (tick boxes where appropriate)	
 Prescribed by, or recommended by an endocrinologist or endorsed by the Health NZ Hospital. 	r paediatric endocrinologist, or in accordance with a protocol or guideline that has been
and	
The patient has a medical condition that is known	to cause growth hormone deficiency (e.g. surgical removal of the pituitary for
treatment of a pituitary tumour)	
	of other hormonal deficiencies and psychological illnesses
The patient has severe growth hormone deficiency	y (see notes)
and	
The patient's serum IGF-I is more than 1 standard and	deviation below the mean for age and sex
O The patient has poor quality of life, as defined by a	a score of 16 or more using the disease-specific quality of life questionnaire for adult
growth hormone deficiency (QoL-AGHDA®)	
isolated growth hormone deficiency require two growth hormone s an additional test is required, an arginine provocation test can be u The dose of somatropin should be started at 0.2 mg daily and be t for age and sex; and The dose of somatropin not to exceed 0.7 mg per day for male pat	ficiencies and a known structural pituitary lesion only require one test. Patients with timulation tests, of which, one should be ITT unless otherwise contraindicated. Where used with a peak serum growth hormone level of less than or equal to 0.4 mcg per litre. itrated by 0.1 mg monthly until it is within 1 standard deviation of the mean normal value tients, or 1 mg per day for female patients. The monitored for any required adjustment in replacement doses of corticosteroid

I confirm that the above details are correct: Signed: Date:

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HOSPITAL MEDICINES LIST RESTRICTIONS CHECKLIST

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PRESCRIBER		1	PATIENT:	
Name:				Name:
Ward	d:		I	NHI:
Son	natro	pin - con	ntinued	
COI Re-	NTINU assess requis	ATION – asment requisites (tick beforescribed	adults and adolescents uired after 12 months coxes where appropriate)	ndocrinologist, or in accordance with a protocol or guideline that has been
and				
		and	The patient has been treated with somatropin for < 12 mg	onths
		and _	There has been an improvement in the Quality of Life Ass Life Assessment of Growth Hormone Deficiency in Adults	sessment defined as a reduction of at least 8 points on the Quality of (QoL-AGHDA®) score from baseline
		and	Serum IGF-I levels have increased to within ±1SD of the r	mean of the normal range for age and sex
			The dose of somatropin does not exceed 0.7 mg per day	for male patients, or 1 mg per day for female patients
	or			
		and	The patient has been treated with somatropin for more that	an 12 months
		and	The patient has not had a deterioration in Quality of Life of score on treatment (other than due to obvious external factors).	lefined as a 6 point or greater increase from their lowest QoL-AGHDA® ctors such as external stressors)
		0	Serum IGF-I levels have continued to be maintained within for obvious external factors)	n ±1SD of the mean of the normal range for age and sex (other than
		and	The dose of somatropin has not exceeded 0.7 mg per day	y for male patients or 1 mg per day for female patients
			renewal criteria under this indication The patient has undergone appropriate treatment of other The patient has severe growth hormone deficiency (see in The patient's serum IGF-I is more than 1 standard deviation The patient has poor quality of life, as defined by a score for adult growth hormone deficiency (QoL-AGHDA®)	on below the mean for age and sex of 16 or more using the disease-specific quality of life questionnaire ciency is defined as a peak serum growth hormone level of less than or
Pati isola an a The mea The At th	ents wated graddition dose dose dose dose dose dose dose dose	with one or rowth horm nal test is roof somatro mal value for somatro of somatro	more additional anterior pituitary hormone deficiencies and none deficiency require two growth hormone stimulation test required, an arginine provocation test can be used with a peopin should be started at 0.2 mg daily and be titrated by 0.1 for age and sex; and opin not to exceed 0.7 mg per day for male patients, or 1 mg	I a known structural pituitary lesion only require one test. Patients with its, of which, one should be ITT unless otherwise contraindicated. Where eak serum growth hormone level of less than or equal to 0.4 mcg per litre. mg monthly until the serum IGF-I is within 1 standard deviation of the