RS1826 - Somatropin

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HOSPITAL MEDICINES LIST RESTRICTIONS CHECKLIST

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: N			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
Re-a	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 endocrinologist, or in accordance with a protocol or guideline that has endorsed by the Health NZ Hospital.			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
	an	\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	
Re-a	sses	ssmen	Turner syndrome nt required after 12 months (tick boxes where appropriate)	
and	C		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
	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:

I confirm that the above details are correct:

Signed: Date:

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PRESCRIBER		PATIENT:	
Name:			
Ward:		NHI:	
Soma	atropin	- continued	
CONT Re-as	FINUATION SERVICE SERV	DN – Turner syndrome nt required after 12 months (tick boxes where appropriate) cribed by, or recommended by an endocrinologist or paediatric endocrinologist, or in accordance with a protocol or guideline that has been been been been been been been bee	
	and and	No serious adverse effect that the specialist considers is likely to be attributable to growth hormone treatment has occurred No malignancy has developed since starting growth hormone	
Re-as	sessme quisites Pres	short stature without growth hormone deficiency nt required after 12 months (tick boxes where appropriate) cribed by, or recommended by an endocrinologist or paediatric endocrinologist, or in accordance with a protocol or guideline that has been breed by the Health NZ Hospital.	
	and on and on and	The patient's height is more than 3 standard deviations below the mean for age or for bone age if there is marked growth acceleration or delay Height velocity is < 25th percentile for age (adjusted for bone age/pubertal status if appropriate), as calculated over 6 to 12 months using the standards of Tanner and Davies(1985) A current bone age is < 14 years (female patients) or < 16 years (male patients) The patient does not have severe chronic disease (including malignancy or recognized severe skeletal dysplasia) and is not receiving medications known to impair height velocity	
Re-as	sessme quisites Pres	ON – short stature without growth hormone deficiency nt required after 12 months (tick boxes where appropriate) cribed by, or recommended by an endocrinologist or paediatric endocrinologist, or in accordance with a protocol or guideline that has been brised by the Health NZ Hospital.	
í	and O	Height velocity is greater than or equal to 50th percentile (adjusted for bone age/pubertal status if appropriate) as calculated over 6 to 12 months using the standards of Tanner and Davies (1985) Height 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) 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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	PATIENT:
√ame:	
Vard:	NHI:
Somatropin	I - continued
Re-assessme Prerequisites Pres	short stature due to chronic renal insufficiency nt required after 12 months s (tick boxes where appropriate) scribed by, or recommended by an endocrinologist, paediatric endocrinologist or renal physician on the recommendation of a endocrinologist aediatric endocrinologist, or in accordance with a protocol or guideline that has been endorsed by the Health NZ Hospital.
and and and and	The patient's height is more than 2 standard deviations below the mean Height velocity is < 25th percentile (adjusted for bone age/pubertal status if appropriate) as calculated over 6 to 12 months using the standards of Tanner and Davies (1985) A current bone age is to 14 years or under (female patients) or to 16 years or under (male patients) The patient is metabolically stable, has no evidence of metabolic bone disease and absence of any other severe chronic disease
and	The patient is under the supervision of a specialist with expertise in renal medicine The patient has a GFR less than or equal to 30 ml/min/1.73 m² as measured by the Schwartz method (Height(cm)/plasma creatinine (umol/l)) × 40 = corrected GFR (ml/min/1.73 m²) in a child who may or may not be receiving dialysis The patient has received a renal transplant and has received < 5mg/ m²/day of prednisone or equivalent for at least 6 months
Re-assessme Prerequisites	ON – short stature due to chronic renal insufficiency nt required after 12 months s (tick boxes where appropriate)
	cribed by, or recommended by an endocrinologist, paediatric endocrinologist or renal physician on the recommendation of a endocrinologist aediatric endocrinologist, or in accordance with a protocol or guideline that has been endorsed by the Health NZ Hospital.

I confirm that the above details are correct:

Signed: Date:

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PRESCRIBER	PATIENT:
Name:	
Ward:	NHI:
Somatropin - continued	
INITIATION – Prader-Willi syr Re-assessment required after Prerequisites (tick boxes when Prescribed by, or recomendorsed by the Heat and The patient has and A current bone and Sleep studies constructive sleep surgeon and The patient of the	12 months re appropriate) ommended by an endocrinologist or paediatric endocrinologist, or in accordance with a protocol or guideline that has been
endorsed by the Hear Height velocity 12 months usin and Height velocity and A current bone and No serious adv and No malignancy and The patient has	12 months re appropriate) ommended by an endocrinologist or paediatric endocrinologist, or in accordance with a protocol or guideline that has been

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Schedule. For community funding, see the Special Authority Criteria.		
PRESCRIBER	PATIENT:	
Name:	Name:	
Ward:	NHI:	
Somatropin - continued		
Somatropin - continued INITIATION – adults and adolescents Re-assessment required after 12 months Prerequisites (tick boxes where appropriate) O Prescribed by, or recommended by an endocrinologist or paediatric endorsed by the Health NZ Hospital. and The patient has a medical condition that is known to cause gratreatment of a pituitary tumour) and The patient has undergone appropriate treatment of other hormand The patient has severe growth hormone deficiency (see notes and The patient's serum IGF-I is more than 1 standard deviation be and	endocrinologist, or in accordance with a protocol or guideline that has been owth hormone deficiency (e.g. surgical removal of the pituitary for remonal deficiencies and psychological illnesses s) pelow the mean for age and sex 6 or more using the disease-specific quality of life questionnaire for adult eficiency is defined as a peak serum growth hormone level of less than or (ITT) or glucagon stimulation test. Ind a known structural pituitary lesion only require one test. Patients with ests, of which, one should be ITT unless otherwise contraindicated. Where peak serum growth hormone level of less than or equal to 0.4 mcg per litre. In mg monthly until it is within 1 standard deviation of the mean normal value mg per day for female patients.	

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Signed: Date:

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PRESCRIBER			PATIENT:	
Name:			Name:	
Ward: .			NHI:	
Somat	ropin - con	rtinued		
Re-asse	essment requuisites (tick between the contraction of the contraction o	dults and adolescents irred after 12 months boxes where appropriate) by, or recommended by an endocrinologist or paediatric by the Health NZ Hospital.	endocrinologist, or in accordance with a protocol or guideline that has been	
	and	The patient has been treated with somatropin for < 12	months	
	and	There has been an improvement in the Quality of Life A Life Assessment of Growth Hormone Deficiency in Adu	ssessment defined as a reduction of at least 8 points on the Quality of lts (QoL-AGHDA®) score from baseline	
	and	Serum IGF-I levels have increased to within ±1SD of the	e mean of the normal range for age and sex	
	O	The dose of somatropin does not exceed 0.7 mg per da	ly for male patients, or 1 mg per day for female patients	
0	r and	The patient has been treated with somatropin for more	than 12 months	
	and	The patient has not had a deterioration in Quality of Life score on treatment (other than due to obvious external to	e defined as a 6 point or greater increase from their lowest QoL-AGHDA® factors such as external stressors)	
	0	Serum IGF-I levels have continued to be maintained wit for obvious external factors)	thin ±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 of	lay for male patients or 1 mg per day for female patients	
0	r and	The patient has had a Special Authority approval for so renewal criteria under this indication	matropin for childhood deficiency in children and no longer meets the	
	and	The patient has undergone appropriate treatment of other	ner hormonal deficiencies and psychological illnesses	
	and	The patient has severe growth hormone deficiency (see	e notes)	
	and	The patient's serum IGF-I is more than 1 standard devia	ation below the mean for age and sex	
	0	The patient has poor quality of life, as defined by a scor for adult growth hormone deficiency (QoL-AGHDA®)	re of 16 or more using the disease-specific quality of life questionnaire	
equal to Patients isolated an addi The dos mean n The dos At the c	o 3 mcg per li s with one or growth horm tional test is r se of somatro ormal value f se of somatro	tre during an adequately performed insulin tolerance test more additional anterior pituitary hormone deficiencies at sone deficiency require two growth hormone stimulation to required, an arginine provocation test can be used with a spin should be started at 0.2 mg daily and be titrated by cor age and sex; and spin not to exceed 0.7 mg per day for male patients, or 1 mg per day for male patients, or 1 mg per day for male patients.	and a known structural pituitary lesion only require one test. Patients with ests, of which, one should be ITT unless otherwise contraindicated. Where peak serum growth hormone level of less than or equal to 0.4 mcg per litre. 0.1 mg monthly until the serum IGF-I is within 1 standard deviation of the	