SA2032 - Somatropin

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APPLICATION FOR SUBSIDY BY SPECIAL AUTHORITY

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APPLICANT (stamp or sticker acceptable)	PATIENT NHI:	REFERRER Reg No:
Reg No:	First Names:	First Names:
Name:	Surname:	Surname:
Address:	DOB:	Address:
	Address:	
Fax Number:		Fax Number:
Somatropin		
Initial application — growth hormone deficient Applications only from a paediatric endocrinologic Prerequisites (tick boxes where appropriate)	cy in children st or endocrinologist. Approvals valid for 9 months.	
cardiomyopathy, hepatic dysfunct life, or from samples during estab	ing symptomatic hypoglycaemia, or with other significion) and diagnosed with GH < 5 mcg/l on at least two dished hypoglycaemia (whole blood glucose < 2 mmo	random blood samples in the first 2 weeks of
Height velocity < 25th percentile for age adjusted for bone age/pubertal status if appropriate over 6 or 12 months using the standards of Tanner and Davies (1985) and A current bone age is < 14 years (female patients) or < 16 years (male patients)		
Peak growth hormone value of < 5.0 mcg per litre in response to two different growth hormone stimulation tests. In children who are 5 years or older, GH testing with sex steroid priming is required and		
laboratory and radiological not necessary or appropriation		
Appropriate imaging of the	pituitary gland has been obtained	
Renewal — growth hormone deficiency in chil	dren	
,		
Current approval Number (if known): Applications only from a paediatric endocrinologis Prerequisites(tick boxes where appropriate)	st or endocrinologist. Approvals valid for 12 months.	
	under (female patients) or 16 years or under (male p	patients)
	equal to 25th percentile for age (adjusted for bone ag I over six months using the standards of Tanner and E	
	equal to 2.0 cm per year, as calculated over 6 months	
	e patients specialist considers is likely to be attributab	le to growth hormone treatment has occurred
No malignancy has developed sir	nce starting growth hormone	
Initial application — Turner syndrome		
	st or endocrinologist. Approvals valid for 9 months.	
The patient has a post-natal genc	otype confirming Turner Syndrome	
	e over 6-12 months using the standards of Tanner an	d Davies (1985)
A current bone age is < 14 years		

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		Address:	
Fax N	umber:		Fax Number:
Som	atropin - continued		
Rene	ewal — Turner syndrome		
Curre	ent approval Number (if known):		
Appli	, ,	or endocrinologist. Approvals valid for 12 months.	
	Height velocity is greater than or e Ranke's Turner Syndrome growth	qual to 50th percentile for age (while on growth horm velocity charts)	one calculated over 6 to 12 months using the
		qual to 2 cm per year, calculated over six months	
	A current bone age is 14 years or and	under	
		specialist considers is likely to be attributable to grow	vth hormone treatment has occurred
	No malignancy has developed since	ce starting growth hormone	
App	I application — short stature without grow ications only from a paediatric endocrinologis equisites (tick boxes where appropriate)	rth hormone deficiency t or endocrinologist. Approvals valid for 9 months.	
	delay	standard deviations below the mean for age or for b	one age if there is marked growth acceleration or
	Height velocity is < 25th percentile the standards of Tanner and Davie and	for age (adjusted for bone age/pubertal status if app s(1985)	ropriate), as calculated over 6 to 12 months using
	A current bone age is < 14 years of	r under (female patients) or < 16 years (male patient	s)
	The patient does not have severe medications known to impair heigh	chronic disease (including malignancy or recognized it velocity	severe skeletal dysplasia) and is not receiving
Rene	ewal — short stature without growth hormo	one deficiency	
	ent approval Number (if known):		
	cations only from a paediatric endocrinologist equisites(tick boxes where appropriate)	or endocrinologist. Approvals valid for 12 months.	
	Height velocity is greater than or e 12 months using the standards of	qual to 50th percentile (adjusted for bone age/pubert Tanner and Davies (1985)	al status if appropriate) as calculated over 6 to
	Height velocity is greater than or e	qual to 2 cm per year as calculated over six months	
	A current bone age is 14 years or and	under (female patients) or 16 years or under (male pa	atients)
		patient's specialist considers is likely to be attributable	le to growth hormone treatment has occurred

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Name	·	Surname:	Surname:
Addres	SS:	DOB:	Address:
		Address:	
Fax N	umber:		Fax Number:
Soma	atropin - continued		
Appl endo	crinologist. Approvals valid for 9 months. equisites(tick boxes where appropriate) The patient's height is more than 2 and Height velocity is < 25th percentile standards of Tanner and Davies (1 and A current bone age is to 14 years of the patient is metabolically stable, and The patient is under the supervision and The patient has a GFR less creatinine (umol/l)) × 40 = color	t, endocrinologist or renal physician on the recomme standard deviations below the mean (adjusted for bone age/pubertal status if appropriate	e) as calculated over 6 to 12 months using the alle patients) sence of any other severe chronic disease the Schwartz method (Height(cm)/plasma may not be receiving dialysis
Rene	wal — short stature due to chronic renal i	nsufficiency	
Curre	ent approval Number (if known):		
Applio endo		, endocrinologist or renal physician on the recommer	ndation of a paediatric endocrinologist or
	Height velocity is greater than or ea 12 months using the standards of and	qual to 50th percentile (adjusted for bone age/pubert Tanner and Davies (1985)	tal status if appropriate) as calculated over 6 to
	Height velocity is greater than or e	qual to 2 cm per year as calculated over six months	
	<u>. </u>	under (female patients) or 16 years or under (male p	atients)
	No serious adverse effect that the	patients specialist considers is likely to be attributabl	e to growth hormone has occurred
	and No malignancy has developed after	er growth hormone therapy was commenced	
	and	gnificant biochemical or metabolic deterioration conf	irmed by diagnostic results
	and		
	and	transplantation since starting growth hormone treatments	
	If the patient requires transplantation made after transplantation based of	on, growth hormone prescription should cease before on the above criteria	e transplantation and a new application should be

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	Address:	
Fax Number:		Fax Number:
Somatropin - continued		
and	der-Willi syndrome that has been confirmed by genet	ic testing or clinical scoring criteria
The patient is aged six months or older and A current bone age is < 14 years (female patients) or < 16 years (male patients) and		
Sleep studies or overnight oximetry have been performed and there is no obstructive sleep disorder requiring treatment, or if an obstructive sleep disorder is found, it has been adequately treated under the care of a paediatric respiratory physician and/or ENT surgeon		
or The patient is aged between	o years or older of type II diabetes or uncontrolled obesity defined by deviations in the preceding 12 months six months and two years and a thorough upper airwement and at six to 12 weeks following treatment initial	vay assessment is planned to be undertaken
Renewal — Prader-Willi syndrome		
Current approval Number (if known): Applications only from a paediatric endocrinologist Prerequisites(tick boxes where appropriate)		
Height velocity is greater than or each 12 months using the standards of and	qual to 50th percentile (adjusted for bone age/puberta Fanner and Davies (1985)	al status if appropriate) as calculated over 6 to
Height velocity is greater than or e	qual to 2 cm per year as calculated over six months	
, <u> </u>	under (female patients) or 16 years or under (male pa	atients)
	patient's specialist considers is likely to be attributabl	e to growth hormone treatment has occurred
and No malignancy has developed afte	r growth hormone therapy was commenced	
The patient has not developed type 0.5 standard deviations in the prec	e II diabetes or uncontrolled obesity as defined by BN eding 12 months	II that has increased by greater than or equal to

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Address:	DOB:	
	Address:	
Fax Number:		Fax Number:
Somatropin - continued		
treatment of a pituitary tumour) and The patient has undergone appropriated The patient has severe growth horre and The patient's serum IGF-I is more to and The patient has poor quality of life, growth hormone deficiency (QoL-Ad-	n that is known to cause growth hormone deficiency riate treatment of other hormonal deficiencies and ps mone deficiency (see notes) han 1 standard deviation below the mean for age an as defined by a score of 16 or more using the diseas GHDA®)	sychological illnesses d sex se-specific quality of life questionnaire for adult
equal to 3 mcg per litre during an adequately performance patients with one or more additional anterior pituital isolated growth hormone deficiency require two grown additional test is required, an arginine provocation The dose of somatropin should be started at 0.2 mean normal value for age and sex; and Dose of somatropin not to exceed 0.7 mg per day for the performance of the started at 0.2 mg.	severe growth hormone deficiency is defined as a permed insulin tolerance test (ITT) or glucagon stimularly hormone deficiencies and a known structural pitui both hormone stimulation tests, of which, one should on test can be used with a peak serum growth hormone glaily and be titrated by 0.1 mg monthly until the second male patients, or 1 mg per day for female patients ism, patients must be monitored for any required adj	tion test. tary lesion only require one test. Patients with be ITT unless otherwise contraindicated. Where one level of less than or equal to 0.4 mcg per litre. erum IGF-I is within 1 standard deviation of the

Signed:	Date:
Signed	Date
Post application to Ministry of Health, Private Bag 30	15, Wanganui – email: customerservice@health.govt.nz

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APPLICA	NT (stamp or sticker acceptable)	PATIENT NHI:	REFERRER Reg No:
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Address: .		DOB:	Address:
		Address:	
Fax Numb	er:		Fax Number:
Somatro	ppin - continued		
Renewal	— adults and adolescents		
Application	pproval Number (if known): ons only from a paediatric endocrinologis sites(tick boxes where appropriate)	t or endocrinologist. Approvals valid for 12 months.	
	and There has been an improve Growth Hormone Deficiency and Serum IGF-I levels have been	d with somatropin for < 12 months ment in Quality of Life defined as a reduction of at lead in Adults (QoL-AGHDA®) score from baseline en increased within ±1SD of the mean of the normal resont exceeded 0.7 mg per day for male patients, or 1	ange for age and sex
or	and The patient has not had a descore on treatment (other the and Serum IGF-I levels have core obvious external factors) and	d with somatropin for more than 12 months eterioration in Quality of Life defined as a 6 point or g an due to obvious external factors such as external st ntinued to be maintained within ±1SD of the mean of the s not exceeded 0.7 mg per day for male patients or 1 in	ressors) the normal range for age and sex (other than for
	renewal criteria under this in and The patient has undergone and The patient has severe grow and The patient's serum IGF-I is and	appropriate treatment of other hormonal deficiencies with hormone deficiency (see notes) more than 1 standard deviation below the mean for a coordinate of life, as defined by a score of 16 or more using the	and psychological illnesses
equal to 3 Patients v isolated g an addition The dose mean nor Dose of s	Is many per litre during an adequately performing on the properties of the provided and the	s, severe growth hormone deficiency is defined as a pormed insulin tolerance test (ITT) or glucagon stimular ary hormone deficiencies and a known structural pitui owth hormone stimulation tests, of which, one should it ion test can be used with a peak serum growth hormone daily and be titrated by 0.1 mg monthly until the set for male patients, or 1 mg per day for female patients trism, patients must be monitored for any required adj	tion test. tary lesion only require one test. Patients with be ITT unless otherwise contraindicated. Where one level of less than or equal to 0.4 mcg per litre. erum IGF-I is within 1 standard deviation of the