## SA2032 - Somatropin

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# APPLICATION FOR SUBSIDY BY SPECIAL AUTHORITY

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| APPLICANT (stamp or sticker acceptable)   |          | T (stamp or sticker acceptable)   | PATIENT NHI:  | REFERRER Reg No:                           |
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| Reg No:   |          |   | First Names:  | First Names:                               |
| Name:   |          |   | Surname:  | Surname:                                   |
| Addre   | ss:      |   | DOB:  | Address:                                   |
|   |          |   | Address:  |  |
|   | umbe     | r:  |   | Fax Number:                                |
| App   | lication | lication — growth hormone deficience<br>ns only from a paediatric endocrinologis<br>ites(tick boxes where appropriate)  | ey in children<br>tt or endocrinologist. Approvals valid for 9 months.  |  |
| Growth hormone deficiency causing symptomatic hypoglycaemia, or with other significant growth hormone deficient sequelae (cardiomyopathy, hepatic dysfunction) and diagnosed with GH < 5 mcg/l on at least two random blood samples in the first 2 weelife, or from samples during established hypoglycaemia (whole blood glucose < 2 mmol/l using a laboratory device) |          |   | 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) |   |  |
|   |          | are 5 years or older, GH test and  If the patient has been treate   | of < 5.0 mcg per litre in response to two different gro<br>ting with sex steroid priming is required<br>ed for a malignancy, they should be disease free for a<br>maging appropriate for the malignancy, unless there a | at least one year based upon follow-up     |
|   |          | and   | oituitary gland has been obtained   |  |
| Rene  | ewal –   | – growth hormone deficiency in child  | dren  |  |
| Appli   | cation   | proval Number (if known):s only from a paediatric endocrinologistites(tick boxes where appropriate)   | t or endocrinologist. Approvals valid for 12 months.  |  |
|   | and      | A current bone age is 14 years or   | under (female patients) or 16 years or under (male pa   | atients)                                   |
|   | and      |   | qual to 25th percentile for age (adjusted for bone age<br>over six months using the standards of Tanner and D   |  |
|   | and      | Height velocity is greater than or e  | qual to 2.0 cm per year, as calculated over 6 months  |  |
|   | and      | No serious adverse effect that the  | patients specialist considers is likely to be attributable  | e to growth hormone treatment has occurred |
|   | [        | No malignancy has developed since   | ce starting growth hormone  |  |
| App   | lication | lication — Turner syndrome ns only from a paediatric endocrinologis ites(tick boxes where appropriate)  | st or endocrinologist. Approvals valid for 9 months.  |  |
|   | and,     | The patient has a post-natal genot  | type confirming Turner Syndrome   |  |
|   | and      | Height velocity is < 25th percentile  | over 6-12 months using the standards of Tanner and  | d Davies (1985)                            |
|   |          | A current bone age is < 14 years  |   |  |

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| APPLICANT (stamp or sticker acceptable)  |   | PATIENT NHI:   | REFERRER Reg No:                                    |
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| Reg No:  |   | First Names:   | First Names:  |
| Name:  |   | Surname:   | Surname:  |
| Addre  | ss:   | DOB:   | Address:  |
|  |   | Address:   |   |
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| Fax N  | umber:  |  | Fax Number:   |
| Som  | atropin - continued   |  |   |
| Rene   | ewal — Turner syndrome  |  |   |
| Curre  | ent approval Number (if known):   |  |   |
|  | cations only from a paediatric endocrinologis equisites(tick boxes where appropriate) | t or endocrinologist. Approvals valid for 12 months.                               |   |
| Height velocity is greater than or equal to 50th percentile for age (while on growth hormone calculated over 6 to 12 months using the Ranke's Turner Syndrome growth velocity charts)  and Height velocity is greater than or equal to 2 cm per year, calculated over 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 attributable to growth hormone treatment has occurred and No malignancy has developed since starting growth hormone |   |  |   |
| Initial application — short stature without growth hormone deficiency Applications only from a paediatric endocrinologist or endocrinologist. Approvals valid for 9 months.  Prerequisites(tick boxes where appropriate)   |   |  |   |
|  | delay   | 3 standard deviations below the mean for age or for b                              | one age if there is marked growth acceleration or   |
|  | the standards of Tanner and David   | e for age (adjusted for bone age/pubertal status if appes(1985)                    | propriate), as calculated over 6 to 12 months using |
|  |   | or 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 nt velocity                    | severe skeletal dysplasia) and is not receiving     |
| Renewal — short stature without growth hormone deficiency  |   |  |   |
| Curre  | ent approval Number (if known):   |  |   |
|  | cations only from a paediatric endocrinologis equisites(tick boxes where appropriate) | t or endocrinologist. Approvals valid for 12 months.                               |   |
|  | Height velocity is greater than or e 12 months using the standards of and             | equal to 50th percentile (adjusted for bone age/pubert<br>Tanner and Davies (1985) | al status if appropriate) as calculated over 6 to   |
|  | Height velocity is greater than or e  | equal to 2 cm per year as calculated over six months                               |   |
|  |   | under (female patients) or 16 years or under (male pa                              | atients)  |
|  |   | patient's specialist considers is likely to be attributab                          | le to growth hormone treatment has occurred         |

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| APPL         | LICANT (stamp or sticker acceptable)  | PATIENT NHI:  | REFERRER Reg No:   |  |
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| Reg N        | No:   | First Names:  | First Names:   |  |
| Name         | e:  | Surname:  | Surname:   |  |
| Addre        | ess:  | DOB:  | Address:   |  |
|              |   | Address:  |  |  |
|              | Number:atropin - continued  |   | Fax Number:  |  |
| App<br>endo  | The patient is metabolically stable and The patient is metabolically stable and The patient is under the supervision and The patient has a GFR less creatinine (umol/l)) × 40 = 60 | et, endocrinologist or renal physician on the recomment  2 standard deviations below the mean  4 (adjusted for bone age/pubertal status if appropriate) | ale patients) ence of any other severe chronic disease ne Schwartz method (Height(cm)/plasma nay not be receiving dialysis |  |
| Ren          | Renewal — short stature due to chronic renal insufficiency  |   |  |  |
| Appl<br>endo | ent approval Number (if known):lications only from a paediatric endocrinologist ocrinologist. Approvals valid for 12 months. requisites(tick boxes where appropriate)   |   | dation of a paediatric endocrinologist or  |  |
|              | Height velocity is greater than or e  | qual to 50th percentile (adjusted for bone age/puberta  | al status if appropriate) as calculated over 6 to  |  |

# APPLICATION FOR SUBSIDY BY SPECIAL AUTHORITY

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| APPLICANT (stamp or sticker acceptable)   | PATIENT NHI:   | REFERRER Reg No:  |
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| Reg No:   | First Names:   | First Names:  |
| Name:   | Surname:   | Surname:  |
| Address:  | DOB:   | Address:  |
|   | Address:   |   |
| Fax Number: Somatropin - continued  |  | Fax Number:   |
| and The patient is aged six months or or and A current bone age is < 14 years (final and Sleep studies or overnight oximetry obstructive sleep disorder is found surgeon  and The patient is aged two and There is no evidence of | der-Willi syndrome that has been confirmed by genet older female patients) or < 16 years (male patients) y have been performed and there is no obstructive sleptimes it has been adequately treated under the care of a page | eep disorder requiring treatment, or if an<br>paediatric respiratory physician and/or ENT |
|   | six months and two years and a thorough upper airvement and at six to 12 weeks following treatment initial   |   |
| Denous L. Duades Williams   |  |   |
| Renewal — Prader-Willi syndrome   |  |   |
| Current approval Number (if known):  Applications only from a paediatric endocrinologist  Prerequisites(tick boxes where appropriate)   |  |   |
| 12 months using the standards of and  | qual to 50th percentile (adjusted for bone age/puberta<br>Tanner and Davies (1985)<br>qual to 2 cm per year as calculated over six months  | al status if appropriate) as calculated over 6 to   |
| and   | under (female patients) or 16 years or under (male pa  | otionte)  |
| and No serious adverse effect that the  | patient's specialist considers is likely to be attributable  | ,   |
| 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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| APPLICANT (stamp or sticker acceptable)  | PATIENT NHI:   | REFERRER Reg No:  |
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| Name:  | Surname:   | Surname:  |
| Address:   | DOB:   |   |
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|  | Address:   |   |
|  |  |   |
| Fax Number:  |  | Fax Number:   |
| Somatropin - continued   |  |   |
| treatment of a pituitary tumour)  and The patient has undergone approp  and The patient has severe growth hore and The patient's serum IGF-I is more t   | than 1 standard deviation below the mean for age an as defined by a score of 16 or more using the diseas   | sychological illnesses<br>d sex   |
| equal to 3 mcg per litre during an adequately performation 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 performance | severe growth hormone deficiency is defined as a purmed insulin tolerance test (ITT) or glucagon stimularly hormone deficiencies and a known structural pitui buth hormone stimulation tests, of which, one should on test can be used with a peak serum growth hormone daily and be titrated by 0.1 mg monthly until the section male patients, or 1 mg per day for female patients rism, 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 |

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| APPLICA  | NT (stamp   | or sticker acceptable)   | PATIENT NHI:  | REFERRER Reg No:   |
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| Reg No:  |   |  | First Names:  | First Names:   |
| Name:  |   |  | Surname:  | Surname:   |
| Address:   |   |  | DOB:  | Address:   |
|  |   |  | Address:  |  |
|  |   |  |   |  |
| Fax Numb   | oer:  |  |   | Fax Number:  |
| Somatro  | opin - con  | ntinued  |   |  |
| Renewa   | l — adults a  | and adolescents  |   |  |
| Current a  | approval Nu   | mber (if known):   |   |  |
| Applicati  | ons only fro  | ,  | t or endocrinologist. Approvals valid for 12 months.  |  |
|  | and   | The patient has been treate  | d with somatropin for < 12 months   |  |
|  | There has been an improvement in Quality of Life defined as a reduction of at least 8 points on the Quality of Life Assessment of Growth Hormone Deficiency in Adults (QoL-AGHDA®) score from baseline  and |  |   | st 8 points on the Quality of Life Assessment of   |
| Serum IGF-I levels have been increased within ±1SD of the mean of the normal range for age and sex   |   |  |   |  |
| 0.5  |   | The dose of somatropin has   | s not exceeded 0.7 mg per day for male patients, or 1   | mg per day for female patients   |
| The patient has been treated with somatropin for more than 12 months and The patient has not had a deterioration in Quality of Life defined as a 6 point or greater increase from their lowest QoL-AGHD score on treatment (other than due to obvious external factors such as external stressors) |   |  |   |  |
|  |   |  |   |  |
| Serum IGF-I levels have continued to be maintained within ±1SD of the mean of the normal range for age and sex (othe obvious external factors)   |   |  | the normal range for age and sex (other than for  |  |
|  | and   | The dose of somatropin has   | s not exceeded 0.7 mg per day for male patients or 1 i  | ng per day for female patients   |
| or   |   | The patient has had a Spec renewal criteria under this in  | ial Authority approval for somatropin for childhood del<br>ndication  | ficiency in children and no longer meets the   |
|  | and and   | The patient has undergone  | appropriate treatment of other hormonal deficiencies  | and psychological illnesses  |
|  | and   | The patient has severe grow  | vth hormone deficiency (see notes)  |  |
|  | and   | The patient's serum IGF-I is   | more than 1 standard deviation below the mean for a   | age and sex  |
|  |   | The patient has poor quality adult growth hormone defici   | of life, as defined by a score of 16 or more using the lency (QoL-AGHDA®)   | disease-specific quality of life questionnaire for   |
| equal to<br>Patients<br>isolated<br>an additi<br>The dose  | 3 mcg per li<br>with one or<br>growth horm<br>onal test is re<br>of somatro   | tre during an adequately performore additional anterior pituit<br>none deficiency require two gr<br>required, an arginine provocat | s, severe growth hormone deficiency is defined as a prormed insulin tolerance test (ITT) or glucagon stimular ary hormone deficiencies and a known structural pitul rowth hormone stimulation tests, of which, one should tion test can be used with a peak serum growth hormone daily and be titrated by 0.1 mg monthly until the se | 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. |
| Dose of s<br>At the co   | somatropin i  | not to exceed 0.7 mg per day   | for male patients, or 1 mg per day for female patients<br>rism, patients must be monitored for any required adj   |  |
|  |   |  |   |  |