

Specialty Guideline Management

Sogroya

Products Referenced by this Document

Drugs that are listed in the following table include both brand and generic and all dosage forms and strengths unless otherwise stated. Over-the-counter (OTC) products are not included unless otherwise stated.

Brand Name	Generic Name
Sogroya	somapacitan-beco

Indications

The indications below including FDA-approved indications and compendial uses are considered a covered benefit provided that all the approval criteria are met and the member has no exclusions to the prescribed therapy.

FDA-approved Indications¹

- Sogroya is indicated for the replacement of endogenous growth hormone (GH) in adults with growth hormone deficiency (GHD).
- Sogroya is indicated for the treatment of pediatric patients aged 2.5 years and older who have growth failure due to inadequate secretion of endogenous growth hormone (GH).

All other indications are considered experimental/investigational and not medically necessary.

Documentation

Submission of the following information is necessary to initiate the prior authorization review (where applicable):

Both initial and continuation of therapy requests:

Sogroya SGM 4210-A P2025.docx

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Reference number(s)
4210-A

- Growth chart
- Pretreatment or current insulin-like growth factor-1 (IGF-1) level (laboratory report or medical record documentation)

Initial requests:

- Support for the diagnosis of neonatal growth hormone (GH) deficiency (medical record documentation, laboratory report, or imaging report)
- Pretreatment growth hormone provocative test result(s) (laboratory report or medical record documentation)

Continuation of therapy requests:

- Total duration of treatment (approximate duration is acceptable)
- Date of last dose administered
- Approving health plan/pharmacy benefit manager
- Date of prior authorization/approval
- Prior authorization approval letter

IGF-1 levels vary based on the laboratory performing the analysis. Laboratory-specific values must be provided to determine whether the value is within the normal range.

Coverage Criteria

Pediatric Growth Hormone (GH) Deficiency^{1,3,6-9}

Authorization of 12 months may be granted to members with pediatric growth hormone (GH) deficiency 2.5 years of age or older when EITHER of the following criteria is met:

- Member has a documented diagnosis of GH deficiency as a neonate (e.g., hypoglycemia with random GH level, evidence of multiple pituitary hormone deficiency, magnetic resonance imaging [MRI] results).
- Member meets ALL of the following criteria:
 - Member has either of the following:
 - Two pretreatment pharmacologic provocative GH tests with both results demonstrating a peak GH level < 10 ng/mL
 - A documented pituitary or central nervous system (CNS) disorder (see Appendix A) and a pretreatment IGF-1 level > 2 standard deviations (SD) below the mean
 - Member meets either of the following:
 - Pretreatment height is > 2 SD below the mean and 1-year height velocity is > 1 SD below the mean
 - Pretreatment 1-year height velocity is > 2 SD below the mean
 - Epiphyses are open

Adult Growth Hormone (GH) Deficiency¹⁻⁵

Authorization of 12 months may be granted to members with adult growth hormone (GH) deficiency when ANY of the following criteria is met:

- Member meets both of the following criteria:
 - Member has had 2 pretreatment pharmacologic provocative GH tests and both results demonstrated deficient GH responses defined as any of the following:
 - Insulin tolerance test (ITT) with a peak GH level ≤ 5 ng/mL
 - Macrilen with a peak GH level < 2.8 ng/mL
 - Glucagon stimulation test with a peak GH level ≤ 3.0 ng/mL in patients with a body mass index (BMI) ≤ 30 kg/m² and a high pretest probability of GHD (e.g., acquired structural abnormalities) OR a BMI < 25 kg/m²
 - Glucagon stimulation test with a peak GH level ≤ 1.0 ng/mL in patients with a BMI of ≥ 25 kg/m² and a low pretest probability of GHD (e.g., acquired structural abnormalities) OR a BMI > 30 kg/m²
 - Member has a pretreatment IGF-1 level 0 to 2 SD below the mean for age and gender
- Member meets both of the following criteria:
 - Member has had 1 pretreatment pharmacologic provocative GH test that demonstrated deficient GH responses defined as any of the following:
 - Insulin tolerance test (ITT) with a peak GH level ≤ 5 ng/mL
 - Macrilen with a peak GH level < 2.8 ng/mL
 - Glucagon stimulation test with a peak GH level ≤ 3.0 ng/mL in patients with a body mass index (BMI) ≤ 30 kg/m² and a high pretest probability of GHD (e.g., acquired structural abnormalities) OR a BMI < 25 kg/m²
 - Glucagon stimulation test with a peak GH level ≤ 1.0 ng/mL in patients with a BMI of ≥ 25 kg/m² and a low pretest probability of GHD (e.g., acquired structural abnormalities) OR a BMI > 30 kg/m²
 - Member has a pretreatment IGF-1 level > 2 SD below the mean for age and gender
- Member meets both of the following criteria:
 - Member has organic hypothalamic-pituitary disease (e.g., suprasellar mass with previous surgery and cranial irradiation) with ≥ 3 documented pituitary hormone deficiencies (see Appendix B)
 - Member has a pretreatment IGF-1 level > 2 SD below the mean for age and gender
- Member has genetic or congenital structural hypothalamic-pituitary defects (see Appendix C)
- Member has childhood-onset GH deficiency and a congenital abnormality of the CNS, hypothalamus, or pituitary (see Appendix C)

Continuation of Therapy

Pediatric Growth Hormone (GH) Deficiency^{1,3,6,11,14}

Authorization of 12 months may be granted for continuation of therapy for pediatric growth hormone (GH) deficiency when ALL of the following criteria are met:

- Member is currently receiving the requested medication or another growth hormone product (e.g., Norditropin) indicated for pediatric GH deficiency
- Epiphyses are open^{1,3} (confirmed by X-ray or X-ray is not available)
- Member's growth rate is > 2 cm/year^{3,6} unless there is a documented clinical reason for lack of efficacy (e.g., on treatment less than 1 year, nearing final adult height/late stages of puberty)⁷

Adult Growth Hormone (GH) Deficiency¹⁻⁷

Authorization of 12 months may be granted for continuation of therapy for adult growth hormone (GH) deficiency when both of the following criteria are met:

- Member is currently receiving the requested medication or another growth hormone product (e.g., Norditropin) indicated for adult GH deficiency
- Member meets ANY of the following criteria:
 - Current IGF-1 level is not elevated for age and gender
 - Member has organic hypothalamic-pituitary disease (e.g., suprasellar mass with previous surgery and cranial irradiation) with ≥ 3 documented pituitary hormone deficiencies (see Appendix B)
 - Member has genetic or congenital structural hypothalamic-pituitary defects (see Appendix C)
 - Member has childhood-onset GH deficiency and a congenital abnormality of the CNS, hypothalamus, or pituitary (see Appendix C)

Appendix

Appendix A: Examples of Hypothalamic/Pituitary/CNS Disorders^{4,5,8,10}

- Congenital genetic abnormalities
 - Transcription factor defects (PIT-1, PROP-1, LHX3/4, HESX-1, PITX-2)
 - Growth hormone releasing hormone (GHRH) receptor gene defects
 - GH secretagogue receptor gene defects
 - GH gene defects
- Congenital structural abnormalities
 - Optic nerve hypoplasia/septo-optic dysplasia
 - Agenesis of corpus callosum
 - Empty sella syndrome
 - Ectopic posterior pituitary

- Pituitary aplasia/hypoplasia
- Pituitary stalk defect
- Holoprosencephaly
- Encephalocele
- Hydrocephalus
- Anencephaly or prosencephaly
- Arachnoid cyst
- Other mid-line facial defects (e.g., single central incisor, cleft lip/palate)
- Vascular malformations
- Acquired structural abnormalities (or causes of hypothalamic/pituitary damage)
 - CNS tumors/neoplasms (e.g., craniopharyngioma, glioma/astrocytoma, pituitary adenoma, germinoma)
 - Cysts (Rathke cleft cyst or arachnoid cleft cyst)
 - Surgery
 - Radiation
 - Chemotherapy
 - CNS infections
 - CNS infarction
 - Inflammatory processes (e.g., autoimmune hypophysitis)
 - Infiltrative processes (e.g., sarcoidosis, histiocytosis, hemochromatosis)
 - Head trauma/traumatic brain injury
 - Aneurysmal subarachnoid hemorrhage
 - Perinatal or postnatal trauma
 - Surgery of the pituitary or hypothalamus

Appendix B: Pituitary Hormones (Other than Growth Hormone)

- Adrenocorticotrophic hormone (ACTH)
- Antidiuretic hormone (ADH)
- Follicle stimulating hormone (FSH)
- Luteinizing hormone (LH)
- Thyroid stimulating hormone (TSH)
- Prolactin

Appendix C: Requirements for GH-Stimulation Testing in Adults⁵

- Testing for adult GHD is not required
 - Three or more pituitary hormone deficiencies and low IGF-1
 - Congenital structural abnormalities
 - Transcription factor defects (PIT-1, PROP-1, LHX3/4, HESX-1, PITX-2)
 - GHRH receptor-gene defects
 - GH-gene defects associated with brain structural defects
 - Single central incisor

- Cleft lip/palate
 - Acquired causes such as perinatal insults
- Testing for adult GHD is required
 - Acquired
 - Skull-base lesions
 - Pituitary adenoma
 - Craniopharyngioma
 - Rathke's cleft cyst
 - Meningioma
 - Glioma/astrocytoma
 - Neoplastic sellar and parasellar lesions
 - Chordoma
 - Hamartoma
 - Lymphoma
 - Metastases
 - Other brain injury
 - Traumatic brain injury
 - Sports-related head trauma
 - Blast injury
 - Infiltrative/granulomatous disease
 - Langerhans cell histiocytosis
 - Autoimmune hypophysitis (primary or secondary)
 - Sarcoidosis
 - Tuberculosis
 - Amyloidosis
 - Surgery to the sella, suprasellar, and parasellar region
 - Cranial irradiation
 - Central nervous system infections (bacteria, viruses, fungi, parasites)
 - Infarction/hemorrhage (e.g., apoplexy, subarachnoid hemorrhage, ischemic stroke, snake bite)
 - Empty sella
 - Hydrocephalus
 - Idiopathic

References

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