### SPECIALTY GUIDELINE MANAGEMENT

### SEROSTIM (somatropin)

#### POLICY

#### I. 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 Indication**

Serostim is indicated for the treatment of human immunodeficiency virus (HIV) patients with wasting or cachexia to increase lean body mass and body weight, and improve physical endurance. Concomitant antiretroviral therapy is necessary.

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

#### II. CRITERIA FOR INITIAL APPROVAL

## Treatment of HIV patients with wasting or cachexia to increase lean body mass and body weight, and improve physical endurance

Authorization of 12 weeks may be granted for treatment of HIV-associated wasting/cachexia when all of the following criteria are met:

- A. Member is currently on antiretroviral therapy
- B. Trial with suboptimal response to alternative therapies (See Appendix A) or contraindication or intolerance to alternative therapies
- C. Body mass index (BMI) was less than 18.5 kg/m<sup>2</sup> prior to initiating therapy with Serostim (See Appendix B)

#### **III. CONTINUATION OF THERAPY**

# Treatment of HIV patients with wasting or cachexia to increase lean body mass and body weight, and improve physical endurance

Authorization of 12 weeks may be granted for continued treatment in members requesting reauthorization for treatment of HIV-associated wasting/cachexia when all of the following criteria are met:

- A. Member is currently on antiretroviral therapy
- B. Member is currently receiving treatment with Serostim excluding obtainment as samples or via manufacturer's patient assistance programs
- C. Current BMI is less than 27 kg/m<sup>2</sup> (See Appendix B)

#### **IV. APPENDICES**

#### Appendix A – Alternative therapies for HIV Wasting

- o Cyproheptadine
- Marinol (dronabinol)
- Megace (megestrol acetate)
- Testosterone therapy if hypogonadal

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#### Appendix B – Calculation of BMI

Weight (po BMI = [Height (in	OR	eight (kg)  eight (m)] <sup>2</sup>
BMI classification:	Underweight Normal weight Overweight Obesity (class 1) Obesity (class 2) Extreme obesity (cl	< 18.5 kg/m <sup>2</sup> 18.5 – 24.9 kg/m <sup>2</sup> 25 – 29.9 kg/m <sup>2</sup> 30 – 34.9 kg/m <sup>2</sup> 35 – 39.9 kg/m <sup>2</sup> ass 3) $\geq$ 40 kg/m <sup>2</sup>

#### V. REFERENCES

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