

# Specialty Guideline Management Serostim

### **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
Serostim	somatropin

### 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 Indications<sup>1</sup>

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.

## **Coverage Criteria**

#### Treatment of HIV Patients with Wasting or Cachexia to Increase Lean Body Mass and Body Weight, and Improve Physical Endurance<sup>1-6</sup>

Authorization of 12 weeks may be granted for treatment of HIV-associated wasting/cachexia when all of

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the following criteria are met:

- Member is currently on antiretroviral therapy.
- Member has had a trial with suboptimal response or intolerance to alternative therapies (see Appendix A) or has a contraindication to alternative therapies.
- Member had a body mass index (BMI) of less than 18.5 kg/m2 prior to initiating therapy with Serostim (see Appendix B).

### **Continuation of Therapy**

#### Treatment of HIV Patients with Wasting or Cachexia to Increase Lean Body Mass and Body Weight, and Improve Physical Endurance<sup>1</sup>

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:

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

### Appendix

#### Appendix A – Alternative Therapies for HIV Wasting<sup>3,4,7</sup>

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

#### Appendix B – Calculation of BMI<sup>8</sup>

BMI = [Weight (pounds) x 703] / {[Height (inches)]<sup>2</sup>} OR [Weight (kg)] / {[Height (m)]<sup>2</sup>}

#### **BMI Classification**

BMI Classification	BMI Range
Underweight	< 18.5 kg/m <sup>2</sup>
Normal weight	18.5 – 24.9 kg/m²

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BMI Classification	BMI Range
Overweight	25 – 29.9 kg/m <sup>2</sup>
Obesity (class 1)	30 – 34.9 kg/m <sup>2</sup>
Obesity (class 2)	35 – 39.9 kg/m <sup>2</sup>
Extreme obesity (class 3)	≥ 40 kg/m²

### References

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- 3. Grinspoon S, Mulligan K for the Department of Health and Human Services Working Group on the Prevention and Treatment of Wasting and Weight Loss. Weight loss and wasting in patients infected with human immunodeficiency virus. Clin Infect Dis. 2003;36(Suppl 2):S69-78.
- 4. Polsky B, Kotler D, Steinhart C. HIV-associated wasting in the HAART era: guidelines for assessment, diagnosis, and treatment. AIDS Patient Care STDS. 2001;15(8):411-23.
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- National Heart, Lung, and Blood Institute. Obesity Education Initiative: The practical guide: identification, evaluation, and treatment of overweight and obesity in adults. Bethesda, MD: US Department of Health and Human Services, National Heart, Lung, and Blood Institute; 2000. NIH Publication No. 00-4084.

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