

Other Adverse Events 1% to 4%

Other events (relationship to drug not established), each observed in 1% to 4% of patients, included fatigue, weakness, pruritus, joint pain, backache, urinary tract infection, cold symptoms, flu symptoms, injection site hematoma, bruise, edema, flushing, blurred vision, pollakiuria, fat malabsorption, hair loss, visual disturbance and depression.

Other Adverse Events <1%

Events reported in less than 1% of patients and for which relationship to drug is not established are listed: *Gastrointestinal*: hepatitis, jaundice, increase in liver enzymes, GI bleeding, hemorrhoids, appendicitis, gastric/peptic ulcer, gall-bladder polyp; *Integumentary*: rash, cellulitis, petechiae, urticaria, basal cell carcinoma; *Musculoskeletal*: arthritis, joint effusion, muscle pain, Raynaud's phenomenon; *Cardiovascular*: chest pain, shortness of breath, thrombophlebitis, ischemia, congestive heart failure, hypertension, hypertensive reaction, palpitations, orthostatic BP decrease, tachycardia; *CNS*: anxiety, libido decrease, syncope, tremor, seizure, vertigo, Bell's Palsy, paranoia, pituitary apoplexy, increased intraocular pressure, amnesia, hearing loss, neuritis; *Respiratory*: pneumonia, pulmonary nodule, status asthmaticus; *Endocrine*: galactorrhea, hypoadrenalism, diabetes insipidus, gynecomastia, amenorrhea, polymenorrhea, oligomenorrhea, vaginitis; *Urogenital*: nephrolithiasis, hematuria; *Hematologic*: anemia, iron deficiency, epistaxis; *Miscellaneous*: otitis, allergic reaction, increased CK, weight loss.

Evaluation of 20 patients treated for at least 6 months has failed to demonstrate titers of antibodies exceeding background levels. However, antibody titers to octreotide acetate were subsequently reported in three patients and resulted in prolonged duration of drug action in two patients. Anaphylactoid reactions, including anaphylactic shock, have been reported in several patients receiving octreotide acetate.

Postmarketing Experience

The following adverse reactions have been identified during the postapproval use of octreotide acetate. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

Gastrointestinal: intestinal obstruction

Hematologic: thrombocytopenia

OVERDOSAGE:

A limited number of accidental overdoses of octreotide acetate in adults have been reported. In adults, the doses ranged from 2,400 to 6,000 micrograms/day administered by continuous infusion (100 to 250 micrograms/hour) or subcutaneously (1,500 micrograms t.i.d.). Adverse events in some patients included arrhythmia, hypotension, cardiac arrest, brain hypoxia, pancreatitis, hepatitis steatosis, hepatomegaly, lactic acidosis, flushing, diarrhea, lethargy, weakness, and weight loss.

Octreotide acetate injection given in intravenous boluses of 1 mg (1,000 mcg) to healthy volunteers did not result in serious ill effects, nor did doses of 30 mg (30,000 mcg) given intravenously over 20 minutes and of 120 mg (120,000 mcg) given intravenously over 8 hours to research patients.

If overdose occurs, symptomatic management is indicated. Up-to-date information about the treatment of overdose can often be obtained from the National Poison Control Center at 1-800-222-1222.

Drug Abuse and Dependence

There is no indication that octreotide acetate has potential for drug abuse or dependence. Octreotide acetate levels in the central nervous system are negligible, even after doses up to 30,000 mcg.

DOSAGE AND ADMINISTRATION:

Octreotide Acetate Injection may be administered subcutaneously or intravenously. Subcutaneous injection is the usual route of administration of Octreotide Acetate Injection for control of symptoms. Pain with subcutaneous administration may be reduced by using the smallest volume that will deliver the desired dose. Multiple subcutaneous injections at the same site within short periods of time should be avoided. Sites should be rotated in a systematic manner.

Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration. **Do not use if particulates and/or discoloration are observed.** Proper sterile technique should be used in the preparation of parenteral admixtures to minimize the possibility of microbial contamination. **Octreotide Acetate Injection is not compatible in Total Parenteral Nutrition (TPN) solutions because of the formation of a glycosyl octreotide conjugate which may decrease the efficacy of the product.**

Octreotide Acetate Injection is stable in sterile isotonic saline solutions or sterile solutions of dextrose 5% in water for 24 hours. It may be diluted in volumes of 50 to 200 mL and infused intravenously over 15 to 30 minutes or administered by IV push over 3 minutes. In emergency situations (e.g., carcinoid crisis) it may be given by rapid bolus.

The initial dosage is usually 50 mcg administered twice or three times daily. Upward dose titration is frequently required. Dosage information for patients with specific tumors follows.

Acromegaly

Dosage may be initiated at 50 mcg t.i.d. Beginning with this low dose may permit adaptation to adverse gastrointestinal effects for patients who will require higher doses. IGF-I (somatomedin C) levels every 2 weeks can be used to guide titration. Alternatively, multiple growth hormone levels at 0 to 8 hours after Octreotide Acetate Injection administration permit more rapid titration of dose. The goal is to achieve growth hormone levels less than 5 ng/mL or IGF-I (somatomedin C) levels less than 1.9 U/mL in males and less than 2.2 U/mL in females. The dose most commonly found to be effective is 100 mcg t.i.d., but some patients require up to 500 mcg t.i.d. for maximum effectiveness. Doses greater than 300 mcg/day seldom result in additional biochemical benefit, and if an increase in dose fails to provide additional benefit, the dose should be reduced. IGF-I (somatomedin C) or growth hormone levels should be re-evaluated at 6-month intervals.

Octreotide Acetate Injection should be withdrawn yearly for approximately 4 weeks from patients who have received irradiation to assess disease activity. If growth hormone or IGF-I (somatomedin C) levels increase and signs and symptoms recur, Octreotide Acetate Injection therapy may be resumed.

Carcinoid Tumors

The suggested daily dosage of Octreotide Acetate Injection during the first 2 weeks of therapy ranges from 100 to 600 mcg/day in 2 to 4 divided doses (mean daily dosage is 300 mcg). In the clinical studies, the **median** daily maintenance dosage was approximately 450 mcg, but clinical and biochemical benefits were obtained in some patients with as little as 50 mcg, while others required doses up to 1,500 mcg/day. However, experience with doses above 750 mcg/day is limited.

VIPomas

Daily dosages of 200 to 300 mcg in 2 to 4 divided doses are recommended during the initial 2 weeks of therapy (range 150 to 750 mcg) to control symptoms of the disease. On an individual basis, dosage may be adjusted to achieve a therapeutic response, but usually doses above 450 mcg/day are not required.

HOW SUPPLIED:

Octreotide Acetate Injection is available in 1 mL single dose vials packaged in tens in covered trays and 5 mL multiple dose vials packaged in individual cartons as follows:

Preservative Free Single Dose Vials:

Product No.	NDC No.	Strength	Fill Volume
360501	63323-365-01	50 mcg per mL	1 mL fill in a 2 mL single dose vial, in packages of 10.
370601	63323-376-01	100 mcg per mL	1 mL fill in a 2 mL single dose vial, in packages of 10.
370701	63323-377-01	500 mcg per mL	1 mL fill in a 2 mL single dose vial, in packages of 10.

Preserved Multiple Dose Vials:

Product No.	NDC No.	Strength	Fill Volume
370805	63323-378-05	1,000 mcg per 5 mL (200 mcg per mL)	5 mL fill in a 5 mL multiple dose vial, packaged individually.
370905	63323-379-05	5,000 mcg per 5 mL (1,000 mcg per mL)	5 mL fill in a 5 mL multiple dose vial, packaged individually.

Storage

For prolonged storage, Octreotide Acetate Injection single dose and multiple dose vials should be stored at refrigerated temperatures 2°C to 8°C (36°F to 46°F) and protected from light. At room temperature (20°C to 30°C or 70°F to 86°F), Octreotide Acetate Injection is stable for 14 days

if protected from light. The solution can be allowed to come to room temperature prior to administration. Do not warm artificially. After initial use, multiple dose vials should be discarded within 14 days. Single dose vials should be opened just prior to administration and the unused portion discarded. Dispose unused product or waste properly.

The container closure is not made with natural rubber latex.



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