



Macugen®

(pegaptanib sodium injection)

SYRINGE ASSEMBLY, PLEASE
READ INSTRUCTIONS BEFORE
PROCEEDING

CONTENTS:

Single-use glass syringe prefilled with 0.3 mg of Macugen®.
Sterile packaged BD® single use 30 gauge x 1/2" Precision Glide® Luer Lok® needle.

Note: Prior to injection and to ensure proper dose, plunger stopper must be properly aligned so that the top edge of the 3rd rib on the plunger stopper is aligned with the pre-printed black dosing line. See Fig. 2 below for details.

ASSEMBLY:

The injection procedure should be carried out under controlled aseptic conditions, which includes the use of sterile gloves, a sterile drape, and a sterile eyelid speculum (or equivalent).

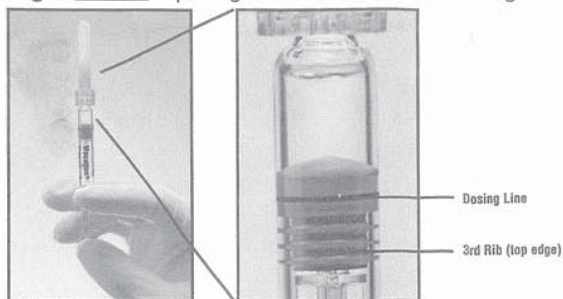
When ready to assemble syringe and administer injection, carefully peel open pouches, remove contents, and place on sterile field. If upon opening the pouch, the plastic clip is missing or not attached to the syringe, do not use the syringe.

To avoid compromising the sterility of the product, do not pull back on the plunger rod.

1. Remove the syringe from the plastic clip.
2. Twist off cap.
3. Attach the sterile administration needle (included) to the syringe by screwing it into the syringe tip.
--Another sterile administration needle may be used in lieu of the one included. Remove the plastic needle shield from the needle.
4. Holding the syringe with the needle pointing up, check the syringe for bubbles. If there are bubbles, gently tap the syringe with your finger until the bubbles rise to the top of the syringe. **SLOWLY** depress the plunger rod to eliminate all the bubbles and to expel the excess drug so that **the top edge of the 3rd rib on the plunger aligns with the pre-printed black dosing line (see Figure 2, below right).**
5. Inject the entire contents of the syringe.

PRIOR to Injection

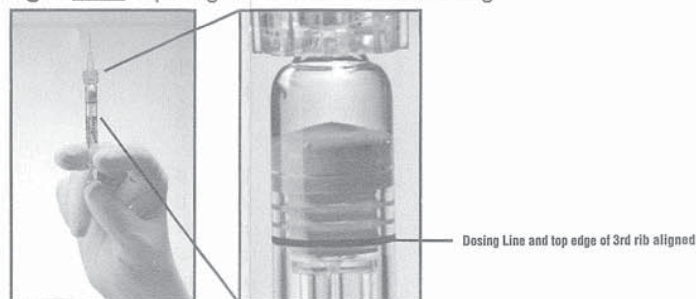
Fig 1. **Before** expelling air bubble and excess drug



(Actual air bubble formation may vary)

READY for Injection

Fig 2. **After** expelling air bubble and excess drug



Syringe is single-use only. Do not reuse or refill.

After use, dispose all syringe parts according to standard biohazard disposal procedures.

BD and Precision Glide Luer Lok® are registered trademarks of Becton Dickinson & Co, Franklin Lakes, New Jersey 07417

eyetech Inc.

Cedar Knolls, NJ 07927

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Two early clinical studies conducted in patients who received Macugen alone and in combination with PDT revealed no apparent difference in the plasma pharmacokinetics of pegaptanib.

Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenicity studies with pegaptanib have not been conducted.

Pegaptanib and its monomer component nucleotides (2'-MA, 2'-MG, 2'-FU, 2'-FC) were evaluated for genotoxicity in a battery of *in vitro* and *in vivo* assay systems. Pegaptanib, 2'-O-methyladenosine (2'-MA), and 2'-O-methylguanosine (2'-MG) were negative in all assay systems evaluated. 2'-fluorouridine (2'-FU) and 2'-fluorocytidine (2'-FC) were nonclastogenic and were negative in all *S. typhimurium* tester strains, but produced a non-dose related increase in revertant frequency in a single *E. coli* tester strain. Pegaptanib, 2'-FU, and 2'-FC tested negative in cell transformation assays. No data are available to evaluate male or female mating or fertility indices.

Pregnancy

Teratogenic Effects: Pregnancy Category B.

Pegaptanib produced no maternal toxicity and no evidence of teratogenicity or fetal mortality in mice at intravenous doses of up to 40 mg/kg/day (about 7,000 times the recommended human monocular ophthalmic dose of 0.3 mg/eye). Pegaptanib crosses the placenta in mice.

There are no studies in pregnant women. The potential risk to humans is unknown. Macugen should be used during pregnancy only if the potential benefit to the mother justifies the potential risk to the fetus.

Nursing Mothers

It is not known whether pegaptanib is excreted in human milk. Because many drugs are excreted in human milk, caution should be exercised when Macugen is administered to a nursing woman.

Pediatric Use

Safety and effectiveness of Macugen in pediatric patients have not been studied.

Geriatric Use

Approximately 94% (834/892) of the patients treated with Macugen were ≥ 65 years of age and approximately 82% (553/892) were ≥ 75 years of age. No difference in treatment effect or systemic exposure was seen with increasing age.

ADVERSE EVENTS

Serious adverse events related to the injection procedure occurring in $< 1\%$ of intravitreal injections included endophthalmitis (see WARNINGS), retinal detachment, and iatrogenic traumatic cataract.

The most frequently reported adverse events in patients treated with Macugen 0.3 mg for up to two years were anterior chamber inflammation, blurred vision, cataract, conjunctival hemorrhage, corneal edema, eye discharge, eye irritation, eye pain, hypertension, increased intraocular pressure (IOP), ocular discomfort, punctate keratitis, reduced visual acuity, visual disturbance, vitreous floaters, and vitreous opacities. These events occurred in approximately 10-40% of patients.

The following events were reported in 6-10% of patients receiving Macugen 0.3 mg therapy:

Ocular: blepharitis, conjunctivitis, photopsia, vitreous disorder.

Non-Ocular: bronchitis, diarrhea, dizziness, headache, nausea, urinary tract infection.

The following events were reported in 1-5% of patients receiving Macugen 0.3 mg therapy:

Ocular: allergic conjunctivitis, conjunctival edema, corneal abrasion, corneal deposits, corneal epithelium disorder, endophthalmitis, eye inflammation, eye swelling, eyelid irritation, meibomianitis, mydriasis, periorbital hematoma, retinal edema, vitreous hemorrhage.

Non-Ocular: arthritis, bone spur, carotid artery occlusion, cerebrovascular accident, chest pain, contact dermatitis, contusion, diabetes mellitus, dyspepsia, hearing loss, pleural effusion, transient ischemic attack, urinary retention, vertigo, vomiting.

Post-Marketing Experience: Anaphylaxis/anaphylactoid reactions, including angioedema, have been identified during postapproval use of Macugen. 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 (see PRECAUTIONS and DOSAGE AND ADMINISTRATION).

OVERDOSAGE

Doses of Macugen up to 10 times the recommended dosage of 0.3 mg have been studied. No additional adverse events have been noted but there is decreased efficacy with doses above 1 mg.

DOSAGE AND ADMINISTRATION

Macugen 0.3 mg should be administered once every six weeks by intravitreal injection into the eye to be treated.

Macugen should be inspected visually for particulate matter and discoloration prior to administration.

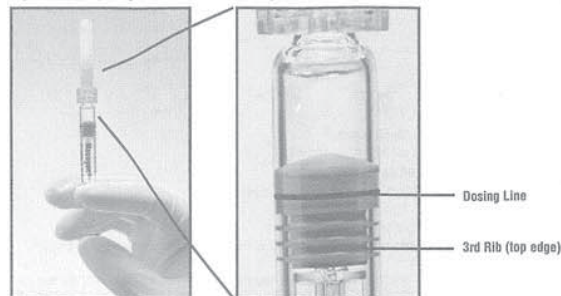
Administration of the syringe contents involves assembly of the syringe with the administration needle. The injection procedure should be carried out under controlled aseptic conditions, which includes the use of sterile gloves, a sterile drape, and a sterile eyelid speculum (or equivalent). When ready to assemble syringe and administer injection, carefully peel open pouches, remove contents, and place on sterile field. If upon opening the pouch, the plastic clip is missing or not attached to the syringe, the syringe should not be used.

To avoid compromising the sterility of the product, do not pull back on the plunger.

1. Remove the syringe from the plastic clip.
2. Twist off cap.
3. Attach the sterile BD[®] 30G 1/2" Precision Glide[®] administration needle (included) to the syringe by screwing it into the syringe tip. --Another sterile administration needle may be used in lieu of the one included. Remove the plastic needle shield from the needle.
4. Holding the syringe with the needle pointing up, check the syringe for bubbles. If there are bubbles, gently tap the syringe with your finger until the bubbles rise to the top of the syringe. SLOWLY depress the plunger to eliminate all the bubbles and to expel the excess drug so that the top edge of the 3rd rib on the plunger stopper aligns with the pre-printed black dosing line (See Fig 2, below).
5. Inject the entire contents of the syringe.

PRIOR to Injection

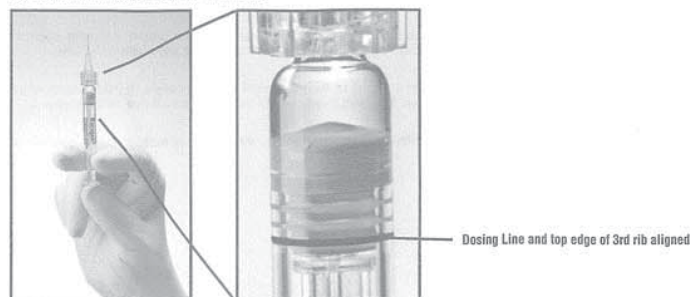
Fig 1. Before expelling air bubble and excess drug



(Actual air bubble formation may vary)

READY for Injection

Fig 2. After expelling air bubble and excess drug



The patient's medical history for hypersensitivity reactions should be evaluated prior to performing the intravitreal procedure (see PRECAUTIONS and ADVERSE EVENTS). Adequate anesthesia and a broad-spectrum microbicide should be given prior to the injection.

Following the injection, patients should be monitored for elevation in intraocular pressure and for endophthalmitis. Monitoring may consist of a check for perfusion of the optic nerve head immediately after the injection, tonometry within 30 minutes following the injection, and biomicroscopy between two and seven days following the injection. Patients should be instructed to report any symptoms suggestive of endophthalmitis without delay.

No special dosage modification is required for any of the populations that have been studied (i.e. gender, elderly).

The safety and efficacy of Macugen therapy administered to both eyes concurrently have not been studied.

HOW SUPPLIED

Macugen (pegaptanib sodium injection) is supplied in a sterile foil pouch as a single-use glass syringe pre-filled with 0.3 mg of Macugen[®] in a nominal 90 μ L deliverable volume pack. A sterile packaged BD[®] single use 30G x 1/2" Precision Glide[®] Luer Lok[®] needle is supplied in a separate pouch. The foil pouch and needle are packaged together in a carton.

Storage

Store in the refrigerator at 2° to 8°C (36° to 46°F). Do not freeze or shake vigorously.

Rx only.

BD and Precision Glide Luer Lok[®] are registered trademarks of Becton Dickinson & CO, Franklin Lakes, New Jersey 07417

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