

Macugen® (pegaptanib) injection

When requesting Macugen® (pegaptanib), the individual requiring treatment must be diagnosed with the following FDA-approved indication or the approved off-label compendial uses and meet the specific coverage guidelines for the covered indications.

FDA-approved indications

- Neovascular (Wet) age-related macular degeneration (AMD)

Approved Off-label Compendial uses

- Diabetic retinopathy
- Neovascular glaucoma
- Retinopathy of prematurity
- Sickle cell neovascularization
- Choroidal neovascular conditions

Coverage Guidelines

For all approved indications the individual must meet the following criteria for approval:

- The drug is administered by or under the supervision of an ophthalmologist

Approval duration (initial and renewal): 12 months

Dosing Recommendations

- 0.3mg or less by intravitreal injection once every 6 weeks.

References

1. American Academy of Ophthalmology Retina/Vitreous Panel. Preferred Practice Pattern® Guidelines. Age-related macular degeneration. San Francisco, CA: American Academy of Ophthalmology; 2015. Accessed on October 29, 2018. Available at: www.aao.org/ppp.
2. American Academy of Ophthalmology Retina/Vitreous Panel. Preferred Practice Pattern® Guidelines. Diabetic retinopathy. San Francisco, CA: American Academy of Ophthalmology; 2017. Accessed on October 29, 2018. Available at: www.aao.org/ppp.
3. Macugen® injection [prescribing information]. Cedar Knolls, NJ: Eyetech Inc.; October 2011.
4. Tolentino M. Systemic and ocular safety of intravitreal anti-VEGF therapies for ocular neovascular disease. *Surv Ophthalmol*. 2011;56(2):95-113.
5. Barakat MR, Kaiser PK. VEGF inhibitors for the treatment of neovascular age-related macular degeneration. *Expert Opin Investig Drugs*. 2009;18(5):637-646.
6. Kinnunen K, Ylä-Herttuala S. Vascular endothelial growth factors in retinal and choroidal neovascular diseases. *Ann Med*. 2012;44(1):1-17.
7. Horsley MB, Kahook MY. Anti-VEGF therapy for glaucoma. *Curr Opin Ophthalmol*. 2010;21(2):112-117.
8. Ip MS, Scott IU, Brown GC, et al. Anti-vascular endothelial growth factor pharmacotherapy for age-related macular degeneration: a report by the American Academy of Ophthalmology. *Ophthalmology*. 2008;115(10):1837-1846.