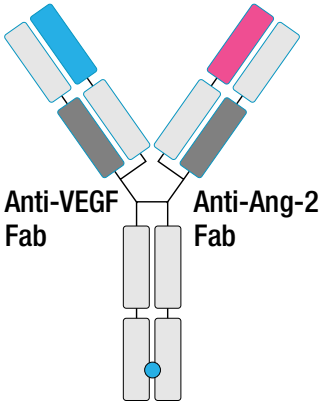
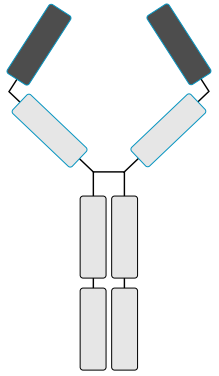
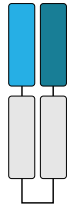

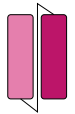

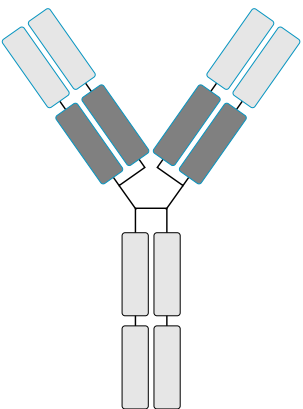


Intravitreal Anti-VEGF & Bispecific Therapies for DME & nAMD

FDA Approved			
<p>Faricimab Bispecific Ab, binds VEGFA & Ang2</p>		<p>DME Dosing</p> <ul style="list-style-type: none"> 6 mg Q4W ($\geq 4X$) \rightarrow dosing interval may be extended in $\leq Q4W$ increments or shortened by $\leq Q8W$ increments based on CST and VA evaluations <p>OR</p> <ul style="list-style-type: none"> 6 mg Q4W (X6) \rightarrow Q8W thereafter 	<p>nAMD Dosing</p> <ul style="list-style-type: none"> 6 mg Q4WX4 with OCT and VA assessment at 8 & 12 weeks later to determine whether to administer Q16W, Q12W, or Q8W
<p>Aflibercept VEGFR1/2-Fc fusion protein, binds VEGFA, VEGFB, PLGF</p>		<p>Standard Formulation</p> <ul style="list-style-type: none"> DME: 2 mg Q4WX5 \rightarrow Q8W (Select patients may require monthly dosing beyond the initial 5 months) nAMD: 2 mg Q4WX3 \rightarrow Q8W 	<p>High Dose Formulation</p> <ul style="list-style-type: none"> DME Dosing: 8 mg Q4WX3 \rightarrow Q8W-Q16W ($\pm 1W$) nAMD Dosing: 8 mg Q4WX3 \rightarrow Q8W-Q16W ($\pm 1W$)
<p>Ranibizumab Humanized, mAb fragment, binds VEGFA</p>		<p>Standard Formulation</p> <ul style="list-style-type: none"> DME: 0.3 mg Q4W [or PRN/T+E ($\leq Q12W$) based on ophthalmologic assessment] nAMD: 0.5 mg Q4W [or PRN/T+E ($\leq Q12W$) based on ophthalmologic assessment] 	<p>Port Delivery System (PDS)</p> <ul style="list-style-type: none"> nAMD: 2 mg delivered continuously via surgical implant w/ refills Q24W – Supplemental treatment with standard IVT 0.5 mg ranibizumab may be administered in the affected eye if clinically necessary
<p> In late 2022, the ocular implant, insertion tool assembly, (including the drug vial & initial fill needle) for ranibizumab PDS were voluntarily recalled due to septum dislodgement and paused implantations including ongoing global clinical trials; this did not include the refill vial and needle.</p>			
<p>Brolucizumab Single-chain Ab fragment that binds VEGFA</p>		<p>Dosing:</p> <ul style="list-style-type: none"> DME: 6 mg Q6W (5X) \rightarrow Q8W-Q12W 	<ul style="list-style-type: none"> nAMD: 6 mg Q4W (3X) \rightarrow Q8W-Q12W
<p> The potential risk for intraocular inflammation (IOI), including retinal vasculitis and retinal vascular occlusion has precluded many healthcare providers from using this agent in patients with DME, as well as nAMD.</p>			

Off-Label			
<p>Bevacizumab Humanized mAb that binds VEGFA.</p>		<p>Dosing:</p> <ul style="list-style-type: none"> DME: 1.25 mg Q4W initially with PRN/T+E/fixed dosing thereafter 	<ul style="list-style-type: none"> nAMD: 1.25 mg Q4W initially with PRN/T+E/fixed dosing thereafter

Ab: antibody; Ang-2: angiopoietin-2; CST: center subfield thickness; DME: diabetic macular edema; mAb: monoclonal antibody; nAMD: neovascular age-related macular edema; OCT: optical coherence tomography; PLGF: placental growth factor; PRN: pro re nata; T+E: treat and extend; VA: visual Acuity; VEGF: vascular endothelial growth factor.

Faricimab. [Prescribing Information \(fda.gov\)](#). Aflibercept. [Prescribing Information \(FDA.gov\)](#). Aflibercept HD. [Prescribing Information \(fda.gov\)](#) Ranibizumab [Prescribing Information \(fda.gov\)](#) Ranibizumab PDS. [Prescribing Information \(fda.gov\)](#) Sharma A, et al. *Int J Retina Vitreous*. 2023;9:6. Brolucizumab. [Prescribing Information \(fda.gov\)](#) Khanani AM, et al. *Ophthalmology*. 2022;129:974-985. Fonollosa A, et al. *Arch Soc Ophthalmol (Engl Ed)*.2022 Jul 23;S2173-5794(22)000846. Khanani AM, et al. *JAMA Ophthalmol*. 2022;140:20-28.