IF YOU HAVE WET AGE-RELATED MACULAR DEGENERATION (AMD)

# OPENUP YOUR WORLD WITH VABYSMO®

#### DO MORE OF WHAT YOU LOVE WITH A CHANCE FOR UP TO 4 MONTHS BETWEEN TREATMENTS'

\*After 4 initial monthly eye injections, your doctor will choose a schedule of 1 to 4 months during your first year of treatment. Dosing may vary.

#### What is VABYSMO?

VABYSMO (faricimab-svoa) is a prescription medicine given by injection into the eye used to treat adults with wet age-related macular degeneration (AMD).

#### Do not receive VABYSMO if you:

Have an infection in or around your eye.

Please see additional Important Safety Information throughout and full Prescribing Information.

faricimab-svoa injection 6 mg

**VABYSMO** 

## Welcome to a world with VABYSMO®

Wet age-related macular degeneration (AMD) is a leading cause of vision loss in adults aged 60 and over, and when left untreated, it can impact the way you see your world.

### The good news is VABYSMO is available to treat wet AMD

The contents of this brochure are designed to help you better understand VABYSMO and provide support and resources to make the transition to your new treatment a smooth one.



#### See more at VABYSMO.com

Scan the QR code with your smartphone camera.



- · Have active swelling around your eye that may include pain and redness.
- Are allergic to VABYSMO or any of the ingredients in VABYSMO.

Please see additional Important Safety Information throughout and full Prescribing Information.



### Why VABYSMO® might be right for you



Improves vision quickly with results maintained after l year of treatment\*



Delivers a chance for up to 4 months between treatments<sup>†</sup>



VABYSMO is the **first and only** FDA-approved treatment designed to **block 2 causes** of wet AMD (VEGF and Ang-2<sup>‡</sup>)

Your retina specialist can personalize your treatment schedule based on your vision needs. See page 7 for dosing information. Ask your retina specialist about the benefits of treatment with VABYSMO.

Ang-2=angiopoietin-2; VEGF=vascular endothelial growth factor.



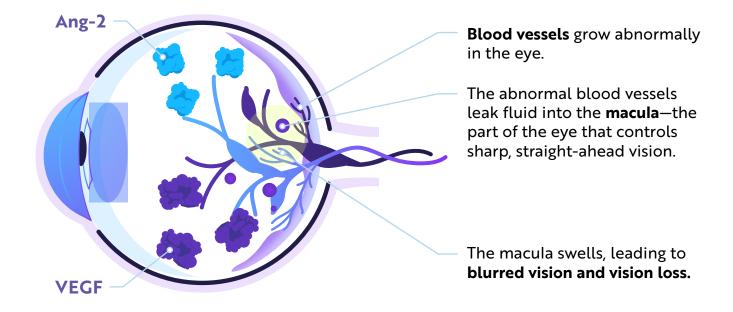
<sup>\*</sup>In clinical trials of 665 people on VABYSMO and 664 people on aflibercept, people gained an average of 5 letters on an eye chart at 1 month for both treatments. On average, people gained and maintained 6 letters over 1 year with VABYSMO, similar to aflibercept.

<sup>&</sup>lt;sup>†</sup>After 4 initial monthly eye injections, your doctor will choose a schedule of 1 to 4 months during your first year of treatment. Dosing may vary.

<sup>&</sup>lt;sup>‡</sup>The benefit of blocking Ang-2 has not been fully determined.

# Learning what causes wet AMD can help you identify how to best treat it

#### WHAT HAPPENS IN THE EYE WITH WET AMD



**VEGF** and **Ang-2\*** are 2 proteins in the eye that cause blood vessels to grow abnormally, swell, and leak fluid. This can lead to retinal damage and various symptoms of vision loss for people with wet AMD.

# How wet AMD can impact the way you see your world



Each person with wet AMD experiences their condition differently. You could experience:

#### Blurry or blind spots



Straight lines that appear wavy



#### Colors that appear less vibrant



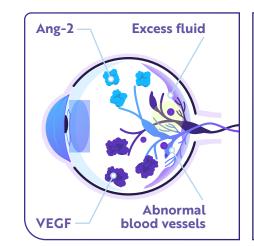
Trouble seeing in low light



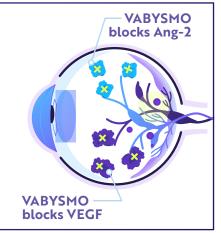
It's important to stay on top of your eye health; let your retina specialist know of any changes in your vision right away.

# Your eyes deserve a different way to treat wet AMD

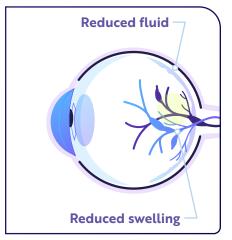
**VABYSMO®** is the first and only FDA-approved treatment designed to block 2 causes of wet AMD (VEGF and Ang-2\*).



In wet AMD, proteins such as VEGF and Ang-2\* can lead to leakage and swelling in the eye.



VABYSMO is designed to block both VEGF and Ang-2.\*



VABYSMO helps reduce abnormal blood vessel swelling, growth, and fluid leakage, which can damage your vision.



<sup>\*</sup>The benefit of blocking Ang-2 has not been fully determined.

### **VABYSMO®** improves vision quickly

**BEFORE VABYSMO** 

**VBSMO** 

**IMPRV** 

**RSLTS** 

**ITRMT** 

ONAVG



**WITH** VABYSMO

On average, people gained and maintained 6 letters

on an eye chart over 1 year with VABYSMO, similar to aflibercept.

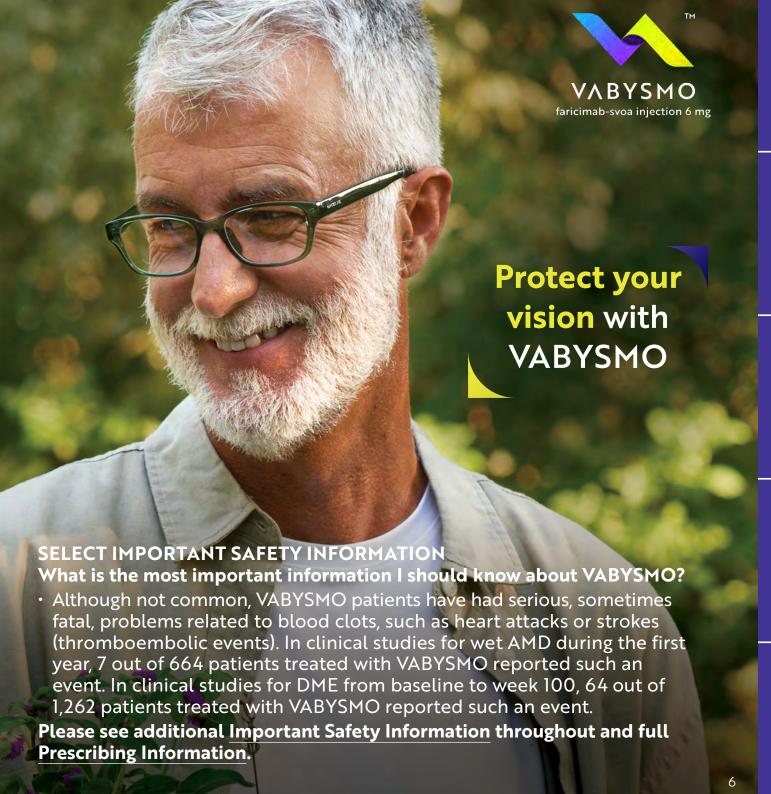
- Even greater results of at least 15 letters were achieved by 20% of people taking VABYSMO, similar to aflibercept
- VABYSMO helped people quickly gain some vision back after just 1 treatment\*

# Over 95% of people maintained their vision improvement

after I year with VABYSMO, similar to aflibercept<sup>†</sup>

These results were not controlled for a possible type of statistical analysis error. Conclusions beyond the data shown should not be drawn.

VABYSMO was assessed in 2 clinical studies vs aflibercept with 1329 people who were newly diagnosed with wet AMD.

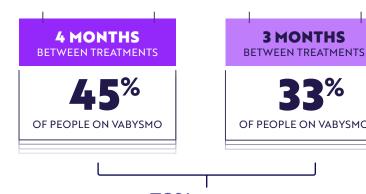


<sup>\*</sup>After their first treatment, people on average gained 5 letters on an eye chart at 1 month with VABYSMO, similar to aflibercept.

<sup>&</sup>lt;sup>†</sup>Maintained is defined as not losing 15 letters or more.

# With VABYSMO®, your next treatment could be 4 months away

#### **RESULTS OF CLINICAL TRIALS AT YEAR 1**





In this study, **78%** of people were able to go **3 or 4 months** between treatments

66 With VABYSMO, we have more time to do things now with the family. Time is something that I really look forward to.

Larry, VABYSMO patient being treated for wet AMD since April 2022

Patient experiences may vary.

Although most people from the clinical trials went 3-4 months between injections, this may not be the experience of all people. Your retina specialist may evaluate your disease differently from the methods used in our trials.

After 4 initial monthly doses to stabilize your vision, your retina specialist may want to scan your eye or give you a vision test. These assessments will help determine if you can extend to 2-, 3-, or 4-month dosing.

# A chance for up to 4 months injection-free



Patient experiences may vary.



- Before receiving VABYSMO, tell your healthcare provider about all of your medical conditions, including if you:
- Are taking any medications, including prescription and over-the-counter medicines, vitamins, and herbal supplements. Tell your healthcare provider about every medicine you take.

Please see additional Important Safety Information throughout and full Prescribing Information.

Why VABYSMO?

### Committed to helping you find assistance options for VABYSMO®

#### **Genentech Ophthalmology Access Solutions**

We are dedicated to helping you understand your insurance coverage and assistance options. We work with your retina specialist, health insurance company, and specialty pharmacy to help you access the ophthalmology treatment your retina specialist prescribed.

**Affordability options:** For people who have insurance and can't afford their Genentech medicine:



**Independent co-pay assistance foundations\*:** We can refer you to a charitable organization that might help you pay for your treatment.



Genentech Ophthalmology Co-pay Program<sup>†</sup>: Eligible commercially insured patients could pay as little as \$0 per drug and administration co-pay.



**Genentech Patient Foundation**<sup>‡</sup>: If you don't have insurance coverage or have financial concerns and meet eligibility criteria, you may be able to get your treatment for free.

#### Want to learn more?

The Genentech Ophthalmology Support Line makes it easy for you to quickly access the information and support you need. Just call (833) EYE-GENE/(833) 393-4363 and one of our representatives will be with you soon. Our representatives are available Monday to Friday, 9 AM to 8 PM ET.



\*Independent co-pay assistance foundations have their own rules for eligibility. Genentech has no involvement or influence in independent foundation decision-making or eligibility criteria and does not know if a foundation will be able to help you. We can only refer you to a foundation that supports your disease state. Genentech does not endorse or show preference for any particular foundation. The foundations we refer you to are not the only ones that might be able to help you.

<sup>†</sup>The Product and Administration Co-pay Programs are valid ONLY for patients with commercial (private or non-governmental) insurance who have a valid prescription for a Food and Drug Administration (FDA)-approved indication of a Genentech medicine. Patients using Medicare, Medicaid or any other federal or state government program (collectively, "Government Programs") to pay for their Genentech medicine and/or administration services are not eligible.

Under the Programs, the patient may pay a co-pay for drug costs and a co-pay for administration costs. The final amount owed by a patient may be as little as \$0 for the Genentech medicine or administration of the Genentech medicine (see Program specific details). The total patient out-of-pocket cost is dependent on the patient's health insurance plan. The Programs assist with the cost of the Genentech medicine and the Genentech medicine administration only. It does not assist with the cost of other administrations, medicines, procedures or office visit fees. After reaching the maximum Programs' benefit amounts, the patient will be responsible for all remaining out-of-pocket expenses. The amount of the Programs' benefits cannot exceed the patient's out-of-pocket expenses for the cost of the Genentech medicine or administration fees associated with the Genentech medicine.

All participants are responsible for reporting the receipt of all Programs' benefits as required by any insurer or by law. The Programs are only valid in the United States and U.S. Territories and are void where prohibited by law. The Drug Co-pay Program shall follow state restrictions in relation to AB-rated generic equivalents (e.g., MA, CA) where applicable. The Administration Co-pay Program is not valid for Massachusetts or Rhode Island residents. No party may seek reimbursement for all or any part of the benefit received through the Programs. The Programs are intended for the patient. Only the patient using the Programs may receive the funds made available through the Programs. The Programs are not intended for third parties who reduce the amount available to the patient or take a portion for their own purposes. Patients with health plans that redirect Genentech Program assistance intended for patient out-of-pocket costs may be subject to alternate Program benefit structures. Genentech reserves the right to rescind, revoke or amend the Programs without notice at any time.

Additional terms and conditions apply. Please visit the co-pay Program website for the full list of Terms and Conditions.

<sup>‡</sup>If you have health insurance, you should try to get other types of financial assistance, if available. You also need to meet income requirements. If you do not have insurance, or if your insurance does not cover your Genentech Ophthalmology treatment, you must meet a different set of income requirements. Genentech reserves the right to modify or discontinue the program at any time and to verify the accuracy of information submitted.

#### IMPORTANT SAFETY INFORMATION

#### What is VABYSMO?

VABYSMO (faricimab-svoa) is a prescription medicine given by injection into the eye used to treat adults with neovascular (wet) age-related macular degeneration (AMD) and diabetic macular edema (DME).

#### Do not receive VABYSMO if you:

- · Have an infection in or around your eye.
- Have active swelling around your eye that may include pain and redness.
- Are allergic to VABYSMO or any of the ingredients in VABYSMO.

#### What is the most important information I should know about VABYSMO?

- Injections like the one for VABYSMO can cause an eye infection (endophthalmitis) or separation of layers of the retina (retinal detachment). Call your healthcare provider right away if you have increasing eye pain, vision loss, sensitivity to light, or redness in the white of the eye.
- VABYSMO may cause a temporary increase in pressure in the eye (intraocular pressure), which occurs within 60 minutes after receiving the eye injection.
- Although not common, VABYSMO patients have had serious, sometimes fatal, problems related to blood clots, such as heart attacks or strokes (thromboembolic events). In clinical studies for wet AMD during the first year, 7 out of 664 patients treated with VABYSMO reported such an event. In clinical studies for DME from baseline to week 100, 64 out of 1,262 patients treated with VABYSMO reported such an event.

### Before receiving VABYSMO, tell your healthcare provider about all of your medical conditions, including if you:

 Are pregnant or plan to become pregnant. Based on how VABYSMO interacts with your body, there may be a potential risk to your unborn baby. You should use birth control before your first injection, during your treatment with VABYSMO, and for 3 months after your last dose of VABYSMO.



- Are breastfeeding or plan to breastfeed. It is not known if VABYSMO passes into your breast milk. Talk to your healthcare provider about the best way to feed your baby if you receive VABYSMO.
- Are taking any medications, including prescription and over-the-counter medicines, vitamins, and herbal supplements. Tell your healthcare provider about every medicine you take.

#### What should I avoid while receiving VABYSMO?

Your vision may be impaired after receiving an eye injection or after an eye exam.
 Do not drive or use machinery until your vision has recovered sufficiently.

#### What are the most common side effects with VABYSMO?

- The most common side effects with VABYSMO were cataract and blood on the white of the eye (conjunctival hemorrhage).
- These are not all the possible side effects of VABYSMO.

Call your healthcare provider for medical advice about side effects. You may report side effects to the FDA at **1-800-FDA-1088**. You may also report side effects to Genentech at **1-888-835-2555**.

Please see the VABYSMO full <u>Prescribing Information</u> for additional Important Safety Information.

# VABYSMO® improves vision and delivers a chance for up to 4 months between treatments\*†



It's your world. See it.

\*In clinical trials of 665 people on VABYSMO and 664 people on aflibercept, people gained and maintained 6 letters over 1 year with VABYSMO, similar to aflibercept.

<sup>†</sup>After 4 initial monthly eye injections, your doctor will choose a schedule of 1 to 4 months during your first year of treatment. Dosing may vary.



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### SELECT IMPORTANT SAFETY INFORMATION Do not receive VABYSMO if you:

- · Have an infection in or around your eye.
- Have active swelling around your eye that may include pain and redness.
- · Are allergic to VABYSMO or any of the ingredients in VABYSMO.

Please see additional <u>Important Safety Information</u> throughout and full <u>Prescribing Information</u>.

#### HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use VABYSMO safely and effectively. See full prescribing information for VABYSMO.

 $VABYSMO^{TM}$  (faricimab-svoa) injection, for intravitreal use Initial U.S. Approval: 2022

#### -RECENT MAJOR CHANGES

Dosage and Administration, Diabetic Macular Edema (2.3)

1/2023

#### -INDICATIONS AND USAGE-

VABYSMO is a vascular endothelial growth factor (VEGF) and angiopoietin-2 (Ang-2) inhibitor indicated for the treatment of patients with:

- Neovascular (Wet) Age-Related Macular Degeneration (nAMD) (1.1)
- Diabetic Macular Edema (DME) (1.2)

#### -DOSAGE AND ADMINISTRATION-

For intravitreal injection. (2.1)

- Neovascular (Wet) Age-Related Macular Degeneration (nAMD)
  - The recommended dose for VABYSMO is 6 mg (0.05 mL of 120 mg/mL solution) administered by intravitreal injection every 4 weeks (approximately every 28 ± 7 days, monthly) for the first 4 doses, followed by optical coherence tomography and visual acuity evaluations 8 and 12 weeks later to inform whether to give a 6 mg dose via intravitreal injection on one of the following three regimens: 1) Weeks 28 and 44; 2) Weeks 24, 36 and 48; or 3) Weeks 20, 28, 36 and 44. Although additional efficacy was not demonstrated in most patients when VABYSMO was dosed every 4 weeks compared to every 8 weeks, some patients may need every 4 week (monthly) dosing after the first 4 doses. Patients should be assessed regularly. (2.2)
- Diabetic Macular Edema (DME)
  - VABYSMO is recommended to be dosed by following one of these two dose regimens: 1) 6 mg (0.05 mL of 120 mg/mL solution) administered by intravitreal injection every 4 weeks (approximately every 28 days ± 7 days, monthly) for at least 4 doses. If after at least 4 doses, resolution of edema based on the central subfield thickness (CST) of the macula as measured by optical coherence tomography is

achieved, then the interval of dosing may be modified by extensions of up to 4 week interval increments or reductions of up to 8 week interval increments based on CST and visual acuity evaluations; or 2) 6 mg dose of VABYSMO can be administered every 4 weeks for the first 6 doses, followed by 6 mg dose via intravitreal injection at intervals of every 8 weeks (2 months). Although additional efficacy was not demonstrated in most patients when VABYSMO was dosed every 4 weeks compared to every 8 weeks, some patients may need every 4 week (monthly) dosing after the first 4 doses. Patients should be assessed regularly. (2.3)

#### -DOSAGE FORMS AND STRENGTHS-

Injection: 120 mg/mL solution in a single-dose vial (3)

#### -CONTRAINDICATIONS-

- Ocular or periocular infection (4.1)
- Active intraocular inflammation (4.2)
- Hypersensitivity (4.3)

#### -WARNINGS AND PRECAUTIONS-

- Endophthalmitis and retinal detachments may occur following intravitreal
  injections. Patients should be instructed to report any symptoms suggestive
  of endophthalmitis or retinal detachment without delay, to permit prompt
  and appropriate management. (5.1)
- Increases in intraocular pressure have been seen within 60 minutes of an intravitreal injection. (5.2)
- There is a potential risk of arterial thromboembolic events (ATEs) associated with VEGF inhibition. (5.3)

#### -ADVERSE REACTIONS-

The most common adverse reactions (≥ 5%) reported in patients receiving VABYSMO were cataract (15%) and conjunctival hemorrhage (8%). (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Genentech at 1-888-835-2555 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

See 17 for PATIENT COUNSELING INFORMATION.

Revised: 1/2023

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<sup>\*</sup> Sections or subsections omitted from the full prescribing information are not listed.

#### **FULL PRESCRIBING INFORMATION**

#### 1 INDICATIONS AND USAGE

VABYSMO is a vascular endothelial growth factor (VEGF) and angiopoietin 2 (Ang-2) inhibitor indicated for the treatment of patients with:

#### 1.1 Neovascular (wet) Age-Related Macular Degeneration (nAMD)

1.2 Diabetic Macular Edema (DME)

#### 2 DOSAGE AND ADMINISTRATION

#### 2.1 General Dosing Information

For intravitreal injection. VABYSMO must be administered by a qualified physician. Each vial should only be used for the treatment of a single eye.

#### 2.2 Neovascular (wet) Age-Related Macular Degeneration (nAMD)

The recommended dose for VABYSMO is 6 mg (0.05 mL of 120 mg/mL solution) administered by intravitreal injection every 4 weeks (approximately every  $28 \pm 7$  days, monthly) for the first 4 doses, followed by optical coherence tomography and visual acuity evaluations 8 and 12 weeks later to inform whether to give a 6 mg dose via intravitreal injection on one of the following three regimens: 1) Weeks 28 and 44; 2) Weeks 24, 36 and 48; or 3) Weeks 20, 28, 36 and 44. Although additional efficacy was not demonstrated in most patients when VABYSMO was dosed every 4 weeks compared to every 8 weeks, some patients may need every 4 week (monthly) dosing after the first 4 doses. Patients should be assessed regularly.

#### 2.3 Diabetic Macular Edema (DME)

VABYSMO is recommended to be dosed by following one of these two dose regimens: 1) 6 mg (0.05 mL of 120 mg/mL solution) administered by intravitreal injection every 4 weeks (approximately every 28 days  $\pm$  7 days, monthly) for at least 4 doses. If after at least 4 doses, resolution of edema based on the central subfield thickness (CST) of the macula as measured by optical coherence tomography is achieved, then the interval of dosing may be modified by extensions of up to 4 week interval increments or reductions of up to 8 week interval increments based on CST and visual acuity evaluations; or 2) 6 mg dose of VABYSMO can be administered every 4 weeks for the first 6 doses, followed by 6 mg dose via intravitreal injection at intervals of every 8 weeks (2 months). Although additional efficacy was not demonstrated in most patients when VABYSMO was dosed every 4 weeks compared to every 8 weeks, some patients may need every 4 week (monthly) dosing after the first 4 doses. Patients should be assessed regularly.

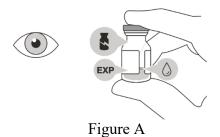
#### 2.4 Preparation for Administration

- 1. Before you start:
  - Read all the instructions carefully before using VABYSMO.
  - The VABYSMO kit includes a glass vial and transfer filter needle. The glass vial is for a single dose only. The filter needle is for single use only.
  - VABYSMO should be stored refrigerated at temperatures between 2°C to 8°C (36°F to 46°F). **Do not** freeze. **Do not** shake.

- Allow VABYSMO to reach room temperature, 20°C to 25°C (68°F to 77°F) before proceeding with the administration. The VABYSMO vial may be kept at room temperature for up to 24 hours. Keep the vial in the original carton to protect from light.
- VABYSMO should be inspected visually for particulate matter and discoloration prior to administration. VABYSMO is a clear to opalescent and colorless to brownish-yellow liquid solution.

**Do not** use if particulates, cloudiness, or discoloration are visible. **Do not** use if the packaging, vial and/or transfer filter needle are expired, damaged, or have been tampered with (see **Figure A**).

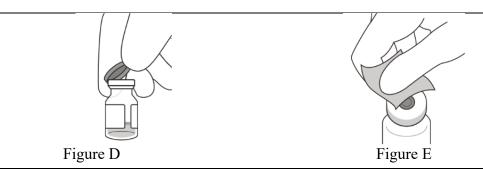
• Use aseptic technique to carry out the preparation of the intravitreal injection.



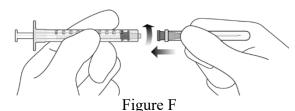
- 2. Gather the following supplies:
  - One VABYSMO vial (included)
  - One sterile 5-micron blunt transfer filter needle 18-gauge x 1½ inch (included)
  - One sterile 1 mL Luer lock syringe with a 0.05 mL dose mark (**not included**)
  - One sterile injection needle 30-gauge x ½ inch (**not included**) **Note** that a 30-gauge injection needle is recommended to avoid increased injection forces that could be experienced with smaller diameter needles.
  - Alcohol swab (**not included**).
- 3. To ensure all liquid settles at the bottom of the vial, place the vial upright on a flat surface (for about 1 minute) after removal from packaging (see **Figure B**). Gently tap the vial with your finger (see **Figure C**), as liquid may stick to the top of the vial.



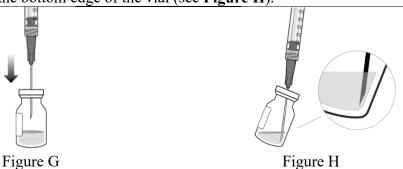
4. Remove the flip-off cap from the vial (see **Figure D**) and wipe the vial septum with an alcohol swab (see **Figure E**).



5. Aseptically and firmly attach the included 18-gauge x 1½ inch transfer filter needle onto a 1 mL Luer lock syringe (see **Figure F**).



6. Using aseptic technique, push the transfer filter needle into the center of the vial septum (see **Figure G**), push it all the way in, then tilt the vial slightly so that the needle touches the bottom edge of the vial (see **Figure H**).



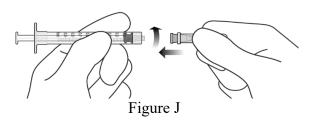
7. Hold the vial slightly inclined and **slowly** withdraw all the liquid from the vial (see **Figure I**). Keep the bevel of the transfer filter needle submerged in the liquid, to avoid introduction of air.



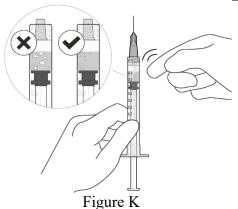
- 8. Ensure that the plunger rod is drawn sufficiently back when emptying the vial, in order to completely empty the transfer filter needle (see **Figure I**).
- 9. Disconnect the transfer filter needle from the syringe and dispose of it in accordance with local regulations.

#### Do not use the transfer filter needle for the intravitreal injection.

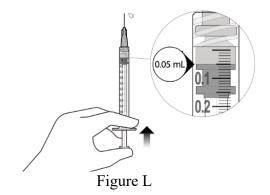
10. Aseptically and firmly attach a 30-gauge x ½ inch injection needle onto the Luer lock syringe (see **Figure J**).



- 11. Carefully remove the plastic needle shield from the needle by pulling it straight off.
- 12. To check for air bubbles, hold the syringe with the needle pointing up. If there are any air bubbles, gently tap the syringe with your finger until the bubbles rise to the top (see **Figure K**).



13. Carefully expel the air from the syringe and needle, and **slowly** depress the plunger to align the rubber stopper tip to the 0.05 mL dose mark. The syringe is ready for the injection (see **Figure L**). Ensure that the injection is given **immediately** after preparation of the dose.



#### 2.5 Injection Procedure

The intravitreal injection procedure must be carried out under aseptic conditions, which includes the use of surgical hand disinfection, sterile gloves, a sterile drape and a sterile eyelid speculum (or equivalent), and the availability of sterile paracentesis equipment (if required). Adequate anesthesia and a broad-spectrum microbicide should be administered prior to the injection. Inject slowly until the rubber stopper reaches the end of the syringe to deliver the volume of 0.05 mL. Confirm delivery of the full dose by checking that the rubber stopper has reached the end of the syringe barrel.

Any unused medicinal product or waste material should be disposed of in accordance with local regulations.

Immediately following the intravitreal injection, patients should be monitored for elevation in intraocular pressure. Appropriate monitoring may consist of a check for perfusion of the optic nerve head or tonometry. If required, a sterile paracentesis needle should be available. Following intravitreal injection, patients should be instructed to report any symptoms suggestive of endophthalmitis or retinal detachment (e.g., vision loss, eye pain, redness of the eye, photophobia, blurring of vision) without delay [see Patient Counseling Information (17)]. Each syringe should only be used for the treatment of a single eye. If the contralateral eye requires treatment, a new syringe should be used and the sterile field, syringe, gloves, drapes, eyelid speculum, filter, and injection needles should be changed before VABYSMO is administered to the other eye.

#### 3 DOSAGE FORMS AND STRENGTHS

Injection: 120 mg/mL clear to opalescent, colorless to brownish-yellow solution in a single-dose vial.

#### 4 CONTRAINDICATIONS

#### 4.1 Ocular or Periocular Infections

VABYSMO is contraindicated in patients with ocular or periocular infections.

#### 4.2 Active Intraocular Inflammation

VABYSMO is contraindicated in patients with active intraocular inflammation.

#### 4.3 Hypersensitivity

VABYSMO is contraindicated in patients with known hypersensitivity to faricimab or any of the excipients in VABYSMO. Hypersensitivity reactions may manifest as rash, pruritus, urticaria, erythema, or severe intraocular inflammation.

#### 5 WARNINGS AND PRECAUTIONS

#### 5.1 Endophthalmitis and Retinal Detachments

Intravitreal injections have been associated with endophthalmitis and retinal detachments [see Adverse Reactions (6.1)]. Proper aseptic injection techniques must always be used when administering VABYSMO. Patients should be instructed to report any symptoms suggestive of endophthalmitis or retinal detachment without delay, to permit prompt and appropriate management [see Dosage and Administration (2.6) and Patient Counseling Information (17)].

#### **5.2** Increase in Intraocular Pressure

Transient increases in intraocular pressure (IOP) have been seen within 60 minutes of intravitreal injection, including with VABYSMO [see Adverse Reactions (6.1)]. IOP and the perfusion of the optic nerve head should be monitored and managed appropriately [see Dosage and Administration (2.6)].

#### **5.3** Thromboembolic Events

Although there was a low rate of arterial thromboembolic events (ATEs) observed in the VABYSMO clinical trials, there is a potential risk of ATEs following intravitreal use of VEGF inhibitors. ATEs are defined as nonfatal stroke, nonfatal myocardial infarction, or vascular death (including deaths of unknown cause).

The incidence of reported ATEs in the nAMD studies during the first year was 1% (7 out of 664) in patients treated with VABYSMO compared with 1% (6 out of 662) in patients treated with aflibercept [see Clinical Studies (14.1)].

The incidence of reported ATEs in the DME studies from baseline to week 100 was 5% (64 out of 1,262) in patients treated with VABYSMO compared with 5% (32 out of 625) in patients treated with aflibercept [see Clinical Studies (14.2)].

#### 6 **ADVERSE REACTIONS**

The following potentially serious adverse reactions are described elsewhere in the labeling:

- Hypersensitivity [see Contraindications (4)]
- Endophthalmitis and retinal detachments [see Warnings and Precautions (5.1)]
- Increase in intraocular pressure [see Warnings and Precautions (5.2)]
- Thromboembolic events [see Warnings and Precautions (5.3)]

#### 6.1 **Clinical Trials Experience**

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in other clinical trials of the same or another drug and may not reflect the rates observed in practice.

The data described below reflect exposure to VABYSMO in 1,926 patients, which constituted the safety population in four Phase 3 studies [see Clinical Studies (14.1, 14.2)].

**Table 1: Common Adverse Reactions (≥ 1%)** 

<b>Adverse Reactions</b>	VAB	YSMO	Active Control (aflibercept)			
	AMD N=664	DME N=1,262	AMD N=662	DME N=625		
Cataract	3%	15%	2%	12%		
Conjunctival hemorrhage	7%	8%	8%	7%		
Vitreous floaters	3%	4%	2%	3%		
Retinal pigment epithelial tear <sup>a</sup>	3%		1%			
Intraocular pressure increased	3%	4%	2%	3%		
Eye pain	3%	3%	3%	3%		
Intraocular inflammation <sup>b</sup>	2%	1%	1%	1%		
Eye irritation	1%	< 1%	< 1%	1%		
Lacrimation increased	1%	1%	1%	< 1%		
Ocular discomfort	1%	1%	< 1%	< 1%		
<sup>a</sup> AMD only						
<sup>b</sup> Including iridocyclitis, iritis, uveit	is, vitritis					

Less common adverse reactions reported in < 1% of the patients treated with VABYSMO were corneal abrasion, eye pruritus, ocular hyperemia, blurred vision, sensation of foreign body, endophthalmitis, conjunctival hyperaemia, visual acuity reduced, visual acuity reduced transiently, vitreous hemorrhage, retinal tear and rhegmatogenous retinal detachment.

#### 6.2 Immunogenicity

The immunogenicity of VABYSMO was evaluated in plasma samples. The immunogenicity data reflect the percentage of patients whose test results were considered positive for antibodies to VABYSMO in immunoassays. The detection of an immune response is highly dependent on the sensitivity and specificity of the assays used, sample handling, timing of sample collection, concomitant medications, and underlying disease. For these reasons, comparison of the incidence of antibodies to VABYSMO with the incidence of antibodies to other products may be misleading.

There is a potential for an immune response in patients treated with VABYSMO. In the nAMD and DME studies, the pre-treatment incidence of anti-faricimab antibodies was approximately 1.8% and 0.8%, respectively. After initiation of dosing, anti-faricimab antibodies were detected in approximately 10.4% and 8.4% of patients with nAMD and DME respectively, treated with VABYSMO across studies and across treatment groups. As with all therapeutic proteins, there is a potential for immunogenicity with VABYSMO.

#### 8 USE IN SPECIFIC POPULATIONS

#### 8.1 Pregnancy

#### Risk Summary

There are no adequate and well-controlled studies of VABYSMO administration in pregnant women.

Administration of VABYSMO to pregnant monkeys throughout the period of organogenesis resulted in an increased incidence of abortions at intravenous (IV) doses 158 times the human exposure (based on C<sub>max</sub>) of the maximum recommended human dose [see Animal Data]. Based on the mechanism of action of VEGF and Ang-2 inhibitors, there is a potential risk to female reproductive capacity, and to embryo-fetal development. VABYSMO should not be used during pregnancy unless the potential benefit to the patient outweighs the potential risk to the fetus.

All pregnancies have a background risk of birth defect, loss, and other adverse outcomes. The background risk of major birth defects and miscarriage for the indicated population is unknown. In the U.S. general population, the estimated background risk of major birth defects is 2%-4% and of miscarriage is 15%-20% of clinically recognized pregnancies.

#### Data

#### Animal Data

An embryo fetal developmental toxicity study was performed on pregnant cynomolgus monkeys. Pregnant animals received 5 weekly IV injections of VABYSMO starting on day 20 of gestation at 1 or 3 mg/kg. A non-dose dependent increase in pregnancy loss (abortions) was observed at both doses evaluated. Serum exposure (C<sub>max</sub>) in pregnant monkeys at the low dose of 1 mg/kg was 158 times the human exposure at the maximum recommended intravitreal dose of 6 mg once every 4 weeks. A no observed adverse effect level (NOAEL) was not identified in this study.

#### 8.2 Lactation

#### Risk Summary

There is no information regarding the presence of faricimab in human milk, the effects of the drug on the breastfed infant, or the effects of the drug on milk production. Many drugs are transferred in human milk with the potential for absorption and adverse reactions in the breastfed child.

The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for VABYSMO and any potential adverse effects on the breastfed child from VABYSMO.

#### 8.3 Females and Males of Reproductive Potential

#### Contraception

Females of reproductive potential are advised to use effective contraception prior to the initial dose, during treatment and for at least 3 months following the last dose of VABYSMO.

#### Infertility

No studies on the effects of faricimab on human fertility have been conducted and it is not known whether faricimab can affect reproduction capacity. Based on the mechanism of action, treatment with VABYSMO may pose a risk to reproductive capacity.

#### **8.4** Pediatric Use

The safety and efficacy of VABYSMO in pediatric patients have not been established.

#### 8.5 Geriatric Use

In the four clinical studies, approximately 60% (1,149/1,929) of patients randomized to treatment with VABYSMO were  $\geq 65$  years of age. No significant differences in efficacy or safety of faricimab were seen with increasing age in these studies. No dose adjustment is required in patients 65 years and above.

#### 11 DESCRIPTION

Faricimab-svoa is a humanized bispecific immunoglobulin G1 (IgG1) antibody that binds both vascular endothelial growth factor A (VEGF-A) and angiopoietin-2 (Ang-2). The fragment crystallizable (Fc) region of faricimab was engineered by selected point mutations to abolish binding interactions with Fcγ and FcRn receptors. Faricimab-svoa has a total molecular weight of approximately 149 kDa and is produced by recombinant DNA technology using mammalian Chinese Hamster Ovary (CHO) cell culture.

VABYSMO (faricimab-svoa) injection is a sterile, clear to opalescent, colorless to brownish-yellow solution in a single-dose glass vial for intravitreal administration. Each single-dose vial is designed to deliver 0.05 mL (50 microliters) of solution containing 6 mg faricimab-svoa, L-histidine (155 mcg), L-methionine (52.2 mcg), polysorbate 20 (20 mcg), sodium chloride (73.1 mcg), D-sucrose (2.74 mg) and Water for Injection, adjusted to pH 5.5 with acetic acid. The product does not contain an anti-microbial preservative.

#### 12 CLINICAL PHARMACOLOGY

#### 12.1 Mechanism of Action

Faricimab is a humanized bispecific antibody that acts through inhibition of two pathways by binding to VEGF-A and Ang-2. By inhibiting VEGF-A, faricimab suppresses endothelial cell proliferation, neovascularization and vascular permeability. By inhibiting Ang-2, faricimab is thought to promote vascular stability and desensitize blood vessels to the effects of VEGF-A. Ang-2 levels are increased in some patients with nAMD and DME. The contribution of Ang-2 inhibition to the treatment effect and clinical response for nAMD and DME has yet to be established.

#### 12.2 Pharmacodynamics

Increased retinal thickness, assessed by optical coherence tomography (OCT), is associated with nAMD and DME. Leakage of blood and fluid from choroidal neovascularization, assessed by fluorescein angiography, is associated with nAMD. Reductions in central subfield thickness (CST) were observed across all treatment arms throughout the four Phase 3 studies in nAMD and DME.

#### 12.3 Pharmacokinetics

#### Absorption/Distribution

Maximum faricimab plasma concentrations (Cmax) are estimated to occur approximately 2 days post-dose. Mean ( $\pm$ SD) free faricimab (unbound to VEGF-A and Ang-2) plasma Cmax are estimated to be 0.23 (0.07) mcg/mL and 0.22 (0.07) mcg/mL in nAMD and in DME patients, respectively. After repeated intravitreal administrations, mean plasma free faricimab trough concentrations are predicted to be 0.002-0.003 mcg/mL for Q8W dosing. Although not directly measured in the vitreous, no accumulation of faricimab is expected in the vitreous and no accumulation has been observed in plasma when faricimab has been administered as repeat doses in the vitreous.

#### Metabolism/Elimination

Metabolism and elimination of faricimab has not been fully characterized. Faricimab is expected to be catabolized in lysosomes to small peptides and amino acids, which may be excreted renally, in a similar manner to the elimination of endogenous IgG. The estimated mean apparent systemic half-life of faricimab is 7.5 days.

#### Specific Populations

The systemic pharmacokinetics of faricimab were not influenced by gender, race, or mild to severe renal impairment (i.e., estimated normalized creatinine clearance by Cockroft-Gault equation: 15 to 89 mL/min/1.73 m²). The effect of severe renal impairment or any degree of hepatic impairment on the pharmacokinetics of VABYSMO is unknown. No special dosage modification is required for any of the populations that have been studied (e.g., elderly, gender, race).

#### 13 NONCLINICAL TOXICOLOGY

#### 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

No carcinogenicity or mutagenicity data are available for VABYSMO injection in animals or humans.

Based on the anti-VEGF and Ang-2 mechanisms of action, treatment with VABYSMO may pose a risk to reproductive capacity [see Females and Males of Reproductive Potential (8.3)].

#### 14 CLINICAL STUDIES

#### 14.1 Neovascular (wet) Age-Related Macular Degeneration (nAMD)

The safety and efficacy of VABYSMO were assessed in two randomized, multi-center, double-masked, active comparator-controlled, 2-year studies (TENAYA – NCT03823287 and LUCERNE – NCT03823300) in patients with nAMD.

A total of 1,329 newly diagnosed, treatment-naive patients were enrolled in these studies, and 664 patients received at least one dose of VABYSMO. Patient ages ranged from 50 to 99 with a mean of 75.9 years. The studies were identically designed two year studies. Patients were randomized in a 1:1 ratio to one of two treatment arms: 1) aflibercept 2 mg administered fixed every 8 weeks (Q8W) after three initial monthly doses; and VABYSMO 6 mg (0.05 mL of 120 mg/mL solution) administered by intravitreal injection every 4 weeks (approximately every 28 ± 7 days, monthly) for the first 4 doses, followed by optical coherence tomography and visual acuity evaluations 8 and 12 weeks later to determine whether to give a 6 mg (0.05 mL of 120 mg/mL solution) dose via intravitreal injection on one of the following three regimens: 1) Weeks 28 and 44; (also referred to as Q16W dosing); 2) Weeks 24, 36 and 48 (also referred to as Q12W dosing); or 3) Weeks 20, 28, 36 and 44 (also referred to as Q8W dosing). However, the utility of these criteria to guide dosing intervals has not been established.

At week 48, after 4 initial monthly doses in the VABYSMO arm, 45% of patients received the Weeks 28 and 44 dosing, 33% of patients received the Weeks 24, 36 and 48 dosing, and the remaining 22% of patients received dosing every 8 weeks. These percentages are reflective of what happened within the conduct of these trials and indicate that some patients did well on two (2) doses spaced 16 weeks apart, or three (3) doses spaced 12 weeks apart, but the percentages may not be generalizable to a broader nAMD population for a variety of reasons. The inclusion/exclusion criteria limited enrollment to a select subset of treatment naive, newly diagnosed nAMD patients and there is no empirical data that a similar magnitude would be observed if eligibility criteria allowed for broader enrollment. The disease activity criteria, which was instrumental in determining dose frequency, is unvalidated. Stricter criteria would have changed how patients were treated resulting in different percentages of subjects in each dose interval cohort. There was not a similarly dosed aflibercept arm for comparison, which makes the percentages difficult to interpret.

Both studies demonstrated non-inferiority to the comparator control (aflibercept) at the primary endpoint, defined as the mean change from baseline in Best Corrected Visual Acuity (BCVA) when averaged over the week 40, 44, and 48 visits and measured by the Early Treatment Diabetic Retinopathy Study (ETDRS) letter chart. The primary endpoint analysis was a non-inferiority comparison for the mean change in BCVA between the aflibercept and the VABYSMO arm. The lower bound of the 95% confidence interval for the mean change in BCVA could not be lower than minus 4 letters to declare non-inferiority. In both studies, VABYSMO treated patients had a non-inferior mean change from baseline in BCVA compared to patients treated with aflibercept. Detailed results of both studies are shown in Table 2, Figure 1, and Figure 2 below. The clinical efficacy for the second year of the study has not been reviewed.

Table 2: Primary Endpoint Results<sup>a</sup> in the TENAYA and LUCERNE Studies

	TENA	AYA	LUCERNE			
	VABYSMO N = 334	Aflibercept N = 337	VABYSMO N = 331	Aflibercept N = 327		
Mean change in BCVA as measured by ETDRS letter score from baseline (95% CI)	5.8 (4.6, 7.1)	5.1 (3.9, 6.4)	6.6 (5.3, 7.8)	6.6 (5.3, 7.8)		
Difference in LS mean (95% CI)	0.7 (-1.1, 2.5)		0.0 (-1.7, 1.8)			

<sup>a</sup> Average of weeks 40, 44 and 48

BCVA: Best Corrected Visual Acuity

ETDRS: Early Treatment Diabetic Retinopathy Study

CI: Confidence Interval

LS: Least Square

Figure 1: Mean Change in Visual Acuity from Baseline to Week 48 in TENAYA

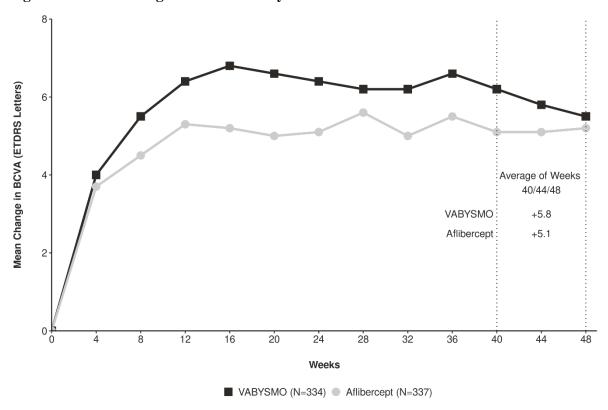
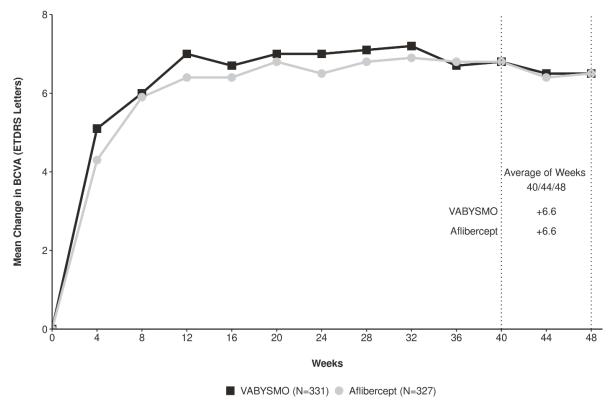


Figure 2: Mean Change in Visual Acuity from Baseline to Week 48 in LUCERNE



Treatment effects in evaluable subgroups (e.g., age, gender, race, baseline visual acuity) in each study were consistent with the results in the overall population.

#### 14.2 Diabetic Macular Edema (DME)

The safety and efficacy of VABYSMO were assessed in two randomized, multi-center, double-masked, active comparator-controlled 2-year studies (YOSEMITE – NCT03622580 and RHINE – NCT03622593) in patients with DME.

A total of 1,891 diabetic patients were enrolled in the two studies with a total of 1,262 patients treated with at least one dose of VABYSMO. Patient ages ranged from 24 to 91 with a mean of 62.2 years. The overall population included both anti-VEGF naive patients (78%) and patients who had been previously treated with a VEGF inhibitor prior to study participation (22%).

The studies were identically designed two year studies. Patients were randomized in a 1:1:1 ratio to one of three treatment regimens: 1) aflibercept Q8W, patients received fixed aflibercept 2 mg administered every 8 weeks (Q8W) after the first five monthly doses; 2) VABYSMO Q8W, patients received fixed VABYSMO 6 mg administered Q8W after the first six monthly doses; and 3) VABYSMO Variable, patients received VABYSMO 6 mg administered every 4 weeks for at least 4 doses and until the central subfield thickness (CST) of the macula measured by optical coherence tomography was less than approximately 325 microns, then the interval of dosing was modified by up to 4 week interval extensions or reductions of up to 8 week interval increments based on CST and visual acuity disease activity criteria at study drug dosing visits.

After 4 initial monthly doses, the patients in the VABYSMO Variable arm received between a minimum of 1 and a maximum of 21 total injections (median of 7 injections) through Week 96 inclusive. At Week 56, 32% of patients had completed at least one Q12W interval followed by one full Q16W interval. Seventeen percent (17%) of patients were treated on Q8W and/or Q4W dosing intervals through Week 56 (7% only on Q4W). These percentages are reflective of what happened within the conduct of these trials, but the percentages may not be generalizable to a broader DME population.

The inclusion/exclusion criteria limited enrollment to a select subset of DME patients and there is no empirical data that a similar magnitude would be observed if eligibility criteria allowed for broader enrollment. The disease activity criteria, which were instrumental in determining dose frequency, are unvalidated. Different criteria would have changed how patients were treated resulting in different percentages of subjects in each dose interval cohort. There was not a similarly dosed aflibercept arm for comparison which makes the percentages difficult to interpret.

Both studies demonstrated non-inferiority to the comparator control (aflibercept) at the primary endpoint, defined as the mean change from baseline in BCVA at year 1 (average of the Week 48, 52, and 56 visits), measured by the ETDRS Letter Score. The primary endpoint analysis was a non-inferiority comparison for the mean change in BCVA between the aflibercept and VABYSMO groups. The lower bound of the 97.5% confidence interval for the mean change in BCVA could not be lower than minus 4 letters to declare non-inferiority. In both studies, VABYSMO Q8W and VABYSMO Variable treated patients had a non-inferior mean change from baseline in BCVA to the patients treated with aflibercept Q8W at the year 1 primary endpoint. Detailed results of both studies are shown in Table 3, Figure 3, and Figure 4 below.

Table 3: Efficacy Results at Year 1<sup>a</sup> and at Year 2<sup>b</sup> in the YOSEMITE and RHINE Studies

	YOSEMITE					RHINE						
	Year 1		Year 2		Year 1			Year 2				
	VABYSMO Q8W N = 315	VABYSMO Variable N = 313	Aflibercept Q8W N = 312	VABYSMO Q8W N = 262	VABYSMO Variable N = 270	Aflibercept Q8W N = 259	VABYSMO Q8W N = 317	VABYSMO Variable N = 319	Aflibercept Q8W N = 315	VABYSMO Q8W N = 259	VABYSMO Variable N = 282	Aflibercept Q8W N = 254
Mean change in BCVA as measured by ETDRS letter score from baseline (97.5% CI year 1 and 95% CI year 2)	10.7 (9.4, 12.0)	11.6 (10.3, 12.9)	10.9 (9.6, 12.2)	10.7 (9.4, 12.1)	10.7 (9.4, 12.1)	11.4 (10.0, 12.7)	11.8 (10.6, 13.0)	10.8 (9.6, 11.9)	10.3 (9.1, 11.4)	10.9 (9.5, 12.3)	10.1 (8.7, 11.5)	9.4 (7.9, 10.8)
Difference in LS mean (97.5% CI year 1 and 95% CI year 2)	-0.2 (-2.0, 1.6)	0.7 (-1.1, 2.5)		-0.7°	-0.7°		1.5 (-0.1, 3.2)	0.5 (-1.1, 2.1)		1.5°	0.7°	

<sup>&</sup>lt;sup>a</sup>Average of Weeks 48, 52, 56

LS: Least Square

<sup>&</sup>lt;sup>b</sup>Average of Weeks 92, 96, 100

<sup>°</sup>A non-inferiority margin was not available for year 2 BCVA: Best Corrected Visual Acuity ETDRS: Early Treatment Diabetic Retinopathy Study CI: Confidence Interval

Figure 3: Mean Change in Visual Acuity from Baseline to Year 2 (Week 100) in YOSEMITE

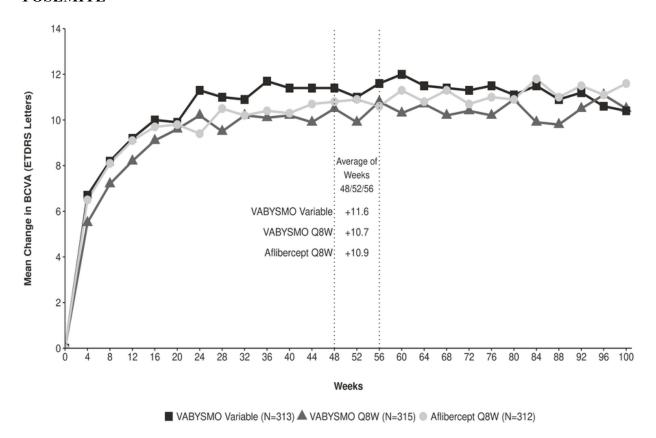
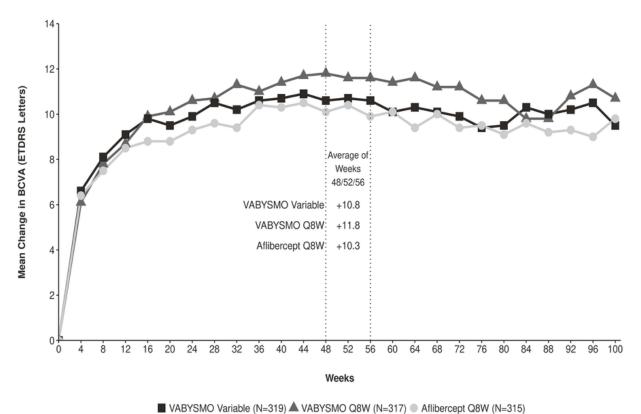


Figure 4: Mean Change in Visual Acuity from Baseline to Year 2 (Week 100) in RHINE



Treatment effects in the subgroup of patients who were anti-VEGF naive prior to study participation were similar to those observed in the overall population. Treatment effects in evaluable subgroups (e.g., by age, gender, race, baseline HbA1c, baseline visual acuity) in each study were generally consistent with the results in the overall population.

#### 16 HOW SUPPLIED/STORAGE AND HANDLING

#### 16.1 How Supplied

VABYSMO (faricimab-svoa) injection is supplied as a clear to opalescent, colorless to brownish-yellow 120 mg/mL solution in a single-dose glass vial. Each glass vial contains an overfill amount to allow for administration of a single 0.05 mL dose of solution containing 6 mg of VABYSMO. Each VABYSMO carton (NDC 50242-096-01) contains one glass vial and one sterile 5-micron blunt transfer filter needle (18-gauge x 1½ inch, 1.2 mm x 40 mm).

#### 16.2 Storage and Handling

Store VABYSMO in the refrigerator between 2°C to 8°C (36°F to 46°F). Do not freeze. Do not shake. Keep the vial in the original carton to protect from light.

Prior to use, the unopened glass vial of VABYSMO may be kept at room temperature, 20°C to 25°C (68°F to 77°F), for up to 24 hours. Ensure that the injection is given immediately after preparation of the dose.

#### 17 PATIENT COUNSELING INFORMATION

Advise patients that in the days following VABYSMO administration, patients are at risk of developing endophthalmitis. If the eye becomes red, sensitive to light, painful, or develops a change in vision, advise the patient to seek immediate care from an ophthalmologist [see Warnings and Precautions (5)].

Patients may experience temporary visual disturbances after an intravitreal injection with VABYSMO and the associated eye examinations [see Adverse Reactions (6)]. Advise patients not to drive or use machinery until visual function has recovered sufficiently.

VABYSMO<sup>TM</sup> [faricimab-svoa]

Manufactured by:

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