

FOR CONSISTENT  
EYE PRESSURE IN  
THE LOW-TO-MID  
TEENS<sup>1,2</sup>

GET IN THE  
**XEN**<sup>®</sup>  
**ZONE**



Individual results may vary.

Visit [XenGelStent.com](https://www.xengelstent.com)  
for more resources

XEN<sup>®</sup> Gel Stent is available for the surgical management of refractory glaucomas.

**Who should not receive XEN<sup>®</sup>?**

This surgical treatment should not be used if you have angle-closure glaucoma where the drainage angle of the eye has not been surgically opened.

**Please see Indications and additional Important Safety Information inside.**

**Please see accompanying full Directions for Use or visit [https://www.rxabbvie.com/pdf/xen\\_dfu.pdf](https://www.rxabbvie.com/pdf/xen_dfu.pdf)**

**XEN**<sup>®</sup>  
G E L S T E N T

## WHAT IS GLAUCOMA?

- Glaucoma is a complex eye disease that can damage the optic nerve and cause progressive, permanent vision loss<sup>3,4</sup>
- In the most common forms of glaucoma, there is an increase of pressure inside the eye<sup>5</sup>
- Vision problems due to glaucoma may impair functions such as the ability to drive<sup>6</sup>, read, or write<sup>6</sup>

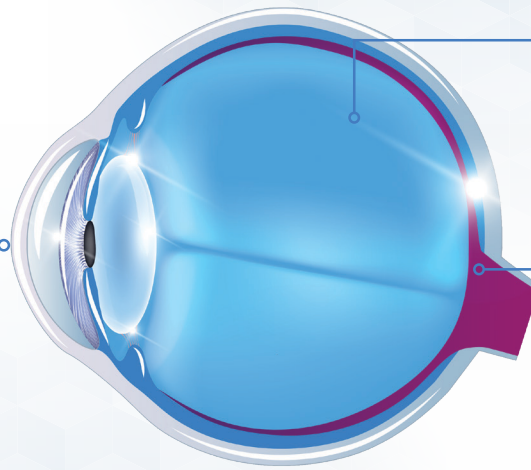
## HOW DOES GLAUCOMA DAMAGE THE OPTIC NERVE AND IMPACT MY VISION?

- Open-angle glaucoma, which is the form that affects 90% of glaucoma patients, is caused by the obstruction of the drainage canals inside the eye<sup>5</sup>
- This causes eye pressure to increase<sup>5</sup>
- Vision loss may occur when eye pressure becomes too high and the optic nerve is damaged<sup>7</sup>

### How does eye pressure damage the optic nerve?<sup>5,7</sup>

#### FRONT OF EYE 1

An abnormal increase in pressure inside the eye occurs when fluid does not drain properly.



2 The increased pressure from the front of the eye increases the pressure on the optic nerve at the back of the eye.

3 **OPTIC NERVE**  
Too much pressure can damage the optic nerve. This damage is known as glaucoma.

## INDICATIONS

The XEN<sup>®</sup> Glaucoma Treatment System is available for the surgical management of refractory glaucomas, including cases where previous surgical treatment did not work, cases of primary open-angle glaucoma, and cases of pseudoexfoliative or pigmentary glaucoma with open angles that are unresponsive to maximum tolerated medical therapy.

## IMPORTANT SAFETY INFORMATION

### Who should not receive the XEN<sup>®</sup> Glaucoma Treatment System?

This surgical treatment should not be used if you currently have any of the following: angle-closure glaucoma where the drainage angle of the eye has not been surgically opened;

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## WHY DO I HAVE TO TREAT MY GLAUCOMA?

- Elevated intraocular pressure (IOP) levels can be a major risk factor for glaucoma-associated vision loss. With higher IOP levels comes a greater chance of optic nerve damage<sup>6</sup>
- For most people, open-angle glaucoma has no symptoms or early warning signs<sup>5</sup>
- Vision loss may not be noticeable at first because it starts gradually at the outer edges of the field of view<sup>7</sup>
- It may take years for noticeable sight loss to occur, and it cannot be reversed<sup>7</sup>

## HOW CAN HIGH EYE PRESSURE BE TREATED?

- Eye drops are often prescribed, but they may not work for some patients whose glaucoma may be more difficult to treat<sup>8</sup>
- Your doctor may suggest alternative procedures to reduce your eye pressure<sup>8</sup>

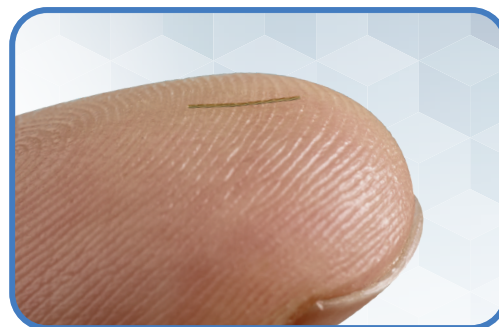
### **IMPORTANT SAFETY INFORMATION (continued)** **Who should not receive the XEN® Glaucoma Treatment System? (continued)**

a glaucoma drainage device previously implanted or scarring and pathologies of the conjunctiva (the clear membrane covering the white outer layer of the eye) in the area needed for this implant; eye inflammation (such as inflammation of the eyelids, conjunctiva, cornea, or uvea); abnormal formation of new blood vessels on the iris (the colored part of the eye) surface; artificial lens implanted in the anterior chamber (the space between your cornea, the outer transparent part of the eye, and the iris);

## WHAT IS THE XEN® GEL STENT?

- The XEN® Gel Stent is a surgical implant designed to lower high eye pressure in open-angle glaucoma patients in whom medications alone were insufficient and/or previous surgical treatment has failed (also known as refractory glaucoma)<sup>1</sup>

### **The XEN® Gel Stent is about the length of an eyelash**



### **IMPORTANT SAFETY INFORMATION (continued)** **Who should not receive the XEN® Glaucoma Treatment System? (continued)**

silicone oil in your eye; and vitreous (the transparent jelly-like tissue that is found behind the lens) present in the anterior chamber.

### **What warnings should I be aware of?**

XEN® Gel Stent complications may include buildup of fluid between the choroid (inner layer of blood vessels) and the sclera (white outer layer of the eyeball), blood in the eye, very low eye pressure, implant moving to another part of the eye, implant exposure, wound leak, need for additional surgical intervention, and other eye surgery complications.

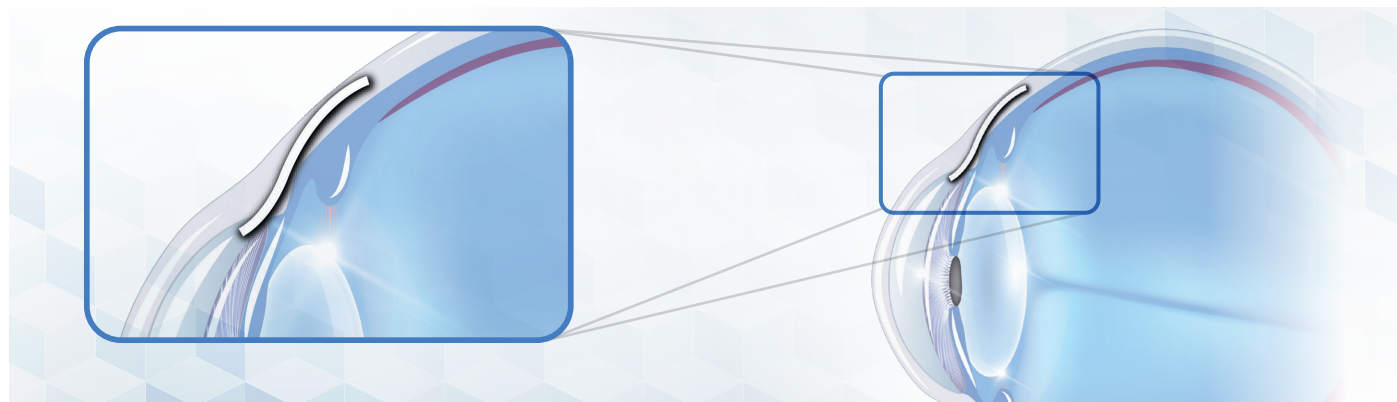
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## HOW DOES THE XEN® GEL STENT WORK?

- The XEN® Gel Stent creates a small channel in the eye to drain fluid and help lower eye pressure<sup>1</sup>
- The XEN® Gel Stent is tiny—about the length of an eyelash—and it's placed just under the conjunctiva, which is a clear membrane that covers the white of your eye<sup>1,9,10</sup>

### The XEN® Gel Stent is placed just under the conjunctiva



## HOW LONG DOES THE XEN® GEL STENT LAST?

- The soft, flexible XEN® Gel Stent is compatible with human tissue and is designed to stay in the eye permanently<sup>1,11</sup>

## IMPORTANT SAFETY INFORMATION (continued)

### What warnings should I be aware of? (continued)

The safety and effectiveness of the XEN® Gel Stent in neovascular, congenital, and infantile glaucoma has not been established. After the XEN® Gel Stent procedure, to help avoid the possibility of implant damage, avoid rubbing or pressing your fingers on the eye in the area where the XEN® Gel Stent was implanted.

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## IS THE XEN® GEL STENT RIGHT FOR ME?

- As with all procedures, there can be risks, which your doctor will discuss with you<sup>1</sup>
- If you have open-angle glaucoma and medications alone were insufficient and/or your previous surgical treatment has failed, your doctor can help you decide if the XEN® Gel Stent is the right choice for you. Individual results may vary<sup>1</sup>

## WHAT SHOULD I DO TO PREPARE FOR SURGERY?

- Before surgery, your doctor may prescribe steroid or antibiotic eye drops, and you may be instructed to discontinue or change your IOP-lowering eye drop regimen. Follow your doctor's instructions<sup>12</sup>

## WHAT CAN I EXPECT ON THE DAY OF SURGERY?

- The XEN<sup>®</sup> Gel Stent surgery is an outpatient procedure<sup>13,14</sup>
- You will be awake, and you will receive medication to help you relax<sup>13,14</sup>
- You'll be monitored continuously during surgery, and medication will be given intravenously<sup>13</sup>
- XEN<sup>®</sup> Gel Stent will be positioned in your eye to help reduce your eye pressure<sup>1</sup>

Talk to your surgeon about additional information about what to expect the day of surgery.

Individual results may vary.



## WHAT CAN I EXPECT AFTER SURGERY?

- Once the XEN<sup>®</sup> Gel Stent is placed in your eye, it starts working right away to reduce your eye pressure<sup>1</sup>
- You'll see your doctor the day after surgery, and further follow-ups will be scheduled to review your progress and determine when you can resume daily activities<sup>13,14</sup>

## WILL I NEED TO TAKE EYE DROPS TO MANAGE MY GLAUCOMA AFTER I RECEIVE XEN<sup>®</sup> GEL STENT?

- XEN<sup>®</sup> Gel Stent has been shown to reduce or eliminate the need for eye drops. This may mean you are managing fewer eye drops<sup>1,15</sup>
- Your doctor will determine your need for eye drops

Individual results may vary.

## IMPORTANT SAFETY INFORMATION (continued) What precautions should I be aware of?

Before surgery, your doctor will check that the device and injector are not damaged. During surgery, your doctor will stop the procedure if he or she observes increased resistance during implantation and will use a new XEN<sup>®</sup> system. After surgery, your doctor should check and manage your eye pressure appropriately. The safety and effectiveness of implanting more than one XEN<sup>®</sup> Gel Stent in an eye has not been studied.

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## QUICK FACTS ABOUT THE XEN® GEL STENT

- An established treatment option for refractory glaucoma<sup>1,14</sup>
- The XEN® Gel Stent is tiny—about the length of an eyelash<sup>1,9</sup>
- Minimally invasive surgery—quick visual recovery at one month for most patients<sup>15</sup>
- XEN® Gel Stent should start working right away and may reduce or eliminate your need to use glaucoma eye drops<sup>1,15</sup>



Individual results may vary.

### IMPORTANT SAFETY INFORMATION (continued)

#### What are possible side effects?

The most common side effects after surgery include reduction of vision, eye pressure becoming too low, an increase in eye pressure, and need for an additional surgical procedure in the eye to release scar tissue (needling) around the implant under the conjunctiva. Talk to your doctor about other possible side effects.

**Please see additional Important Safety Information on the back page.**

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## QUESTIONS FOR MY DOCTOR

REFERENCES: 1. XEN® Directions for Use. 2. Reitsamer H, Sng C, Vera V, Lenzhofer M, Barton K, Stalmans I; Apex Study Group. Two-year results of a multicenter study of the ab interno gelatin implant in medically uncontrolled primary open-angle glaucoma. *Graefes Arch Clin Exp Ophthalmol*. 2019;257(5):983-996. doi:10.1007/s00417-019-04251-z. 3. Boyd K. What is glaucoma? American Academy of Ophthalmology. Accessed November 6, 2023. <https://www.aao.org/eye-health/diseases/what-is-glaucoma>. 4. What is glaucoma? Glaucoma Research Foundation. Accessed November 6, 2023. <https://glaucoma.org/learn-about-glaucoma/what-is-glaucoma/>. 5. Types of glaucoma. Glaucoma Research Foundation. Accessed November 6, 2023. <http://www.glaucoma.org/glaucoma/types-of-glaucoma.php>. 6. American Academy of Ophthalmology. Primary Open-Angle Glaucoma Preferred Practice Pattern. American Academy of Ophthalmology. 2020. 7. Tsai JC. High eye pressure and glaucoma. Glaucoma Research Foundation. Accessed November 6, 2023. <https://glaucoma.org/high-eye-pressure-and-glaucoma/>. 8. Treating glaucoma. Glaucoma Research Foundation. Accessed November 6, 2023. <https://glaucoma.org/learn-about-glaucoma/treating-glaucoma/>. 9. Vogt A, McElwee KJ, Blume-Peytavi U. Biology of the hair follicle. In: Blume-Peytavi U, Tosti A, Whiting DA, Trüeb RM, eds. *Hair Growth and Disorders*. Springer-Verlag; 2008:1-22. 10. Garrity J. Structure and function of the eyes. Merck Manual Consumer Version. Reviewed March 2022. Accessed November 6, 2023. <http://www.merckmanuals.com/home/eye-disorders/biology-of-the-eyes/structure-and-function-of-the-eyes>. 11. Vera V, Sheyban A, Wustenberg W, et al. Compatibility and durability of the gel stent material. *Expert Rev Med Devices*. 2022;19(5):385-391. doi:10.1080/17434440.2022.2081073. 12. Vera V, Sheyban A, Lindfield D, Stalmans I, Ahmed IK. Recommendations for the management of elevated intraocular pressure due to bleb fibrosis after XEN® gel stent implantation. *Clin Ophthalmol*. 2019;13:685-694. doi:10.2147/OPTH.S195457. 13. XEN® Gel Stent implantation. Wills Eye Hospital. Accessed November 6, 2023. <https://www.willseye.org/xen-gel-stent-implantation/>. 14. Boyd K. What is a glaucoma drainage implant? American Academy of Ophthalmology. Reviewed May 10, 2023. Accessed November 6, 2023. <https://www.aao.org/eye-health/diseases/glaucoma-drainage-implants>. 15. Grover DS, Flynn WJ, Bashford KP, et al. Performance and safety of a new ab interno gelatin stent in refractory glaucoma at 12 months. *Am J Ophthalmol*. 2017;183:25-36. doi:10.1016/j.ajo.2017.07.023.



## WHAT ARE ACTUAL PATIENTS SAYING ABOUT XEN®?



“I no longer think about drops all the time. I’m glad I did the procedure and would do it again.”

“The procedure worked and met my expectations. I’m glad my doctor recommended XEN®.”



“My pressures are down. It’s fantastic, and I’m taking fewer drops.”

Images are not actual patients.

Scan to view a patient’s full experience with XEN® Gel Stent



### IMPORTANT SAFETY INFORMATION (continued)

Caution: Federal law restricts this device to sale by or on the order of a licensed physician. For the full Directions for Use, please visit [www.allergan.com/xen/usa.htm](http://www.allergan.com/xen/usa.htm) or call 1-800-678-1605. Please call 1-800-433-8871 to report an adverse event.

Please see accompanying full Directions for Use or visit [https://www.rxabbvie.com/pdf/xen\\_dfu.pdf](https://www.rxabbvie.com/pdf/xen_dfu.pdf)



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