



March 2024

We Are the Optejet[®] Company

Developing and commercializing ophthalmic therapeutics with Optecare[™] services
in large markets with high unmet needs



Forward-looking Statements

Except for historical information, all the statements, expectations and assumptions contained in this presentation are forward-looking statements. Forward-looking statements include, but are not limited to, statements that express our intentions, beliefs, expectations, strategies, predictions or any other statements relating to our future activities or other future events or conditions, including estimated market opportunities for our products, product candidates and platform technology. These statements are based on current expectations, estimates and projections about our business based, in part, on assumptions made by management. These statements are not guarantees of future performance and involve risks, uncertainties and assumptions that are difficult to predict. Therefore, actual outcomes and results may, and in some cases are likely to, differ materially from what is expressed or forecasted in the forward-looking statements due to numerous factors discussed from time to time in documents which we file with the U.S. Securities and Exchange Commission.

In addition, such statements could be affected by risks and uncertainties related to, among other things: risks of our clinical trials, including, but not limited to, the costs, design, initiation and enrollment, timing, progress and results of such trials; the timing of, and our ability to submit applications for, obtaining and maintaining regulatory approvals for our products and product candidates; the potential advantages of our products, product candidates and platform technology ; the rate and degree of market acceptance and clinical utility of our products and product candidates; our estimates regarding the potential market opportunity for our products and product candidates; reliance on third parties to develop and commercialize our product candidates; the risk of defects in, or returns of, our products; the ability of us and our partners to timely develop, implement and maintain manufacturing, commercialization and marketing capabilities and strategies for our products and product candidates; intellectual property risks; changes in legal, regulatory, legislative and geopolitical environments in the markets in which we operate and the impact of these changes on our ability to obtain regulatory approval for our products; and our competitive position.

Any forward-looking statements speak only as of the date on which they are made, and except as may be required under applicable securities laws, Eyenovia does not undertake any obligation to update any forward-looking statements.

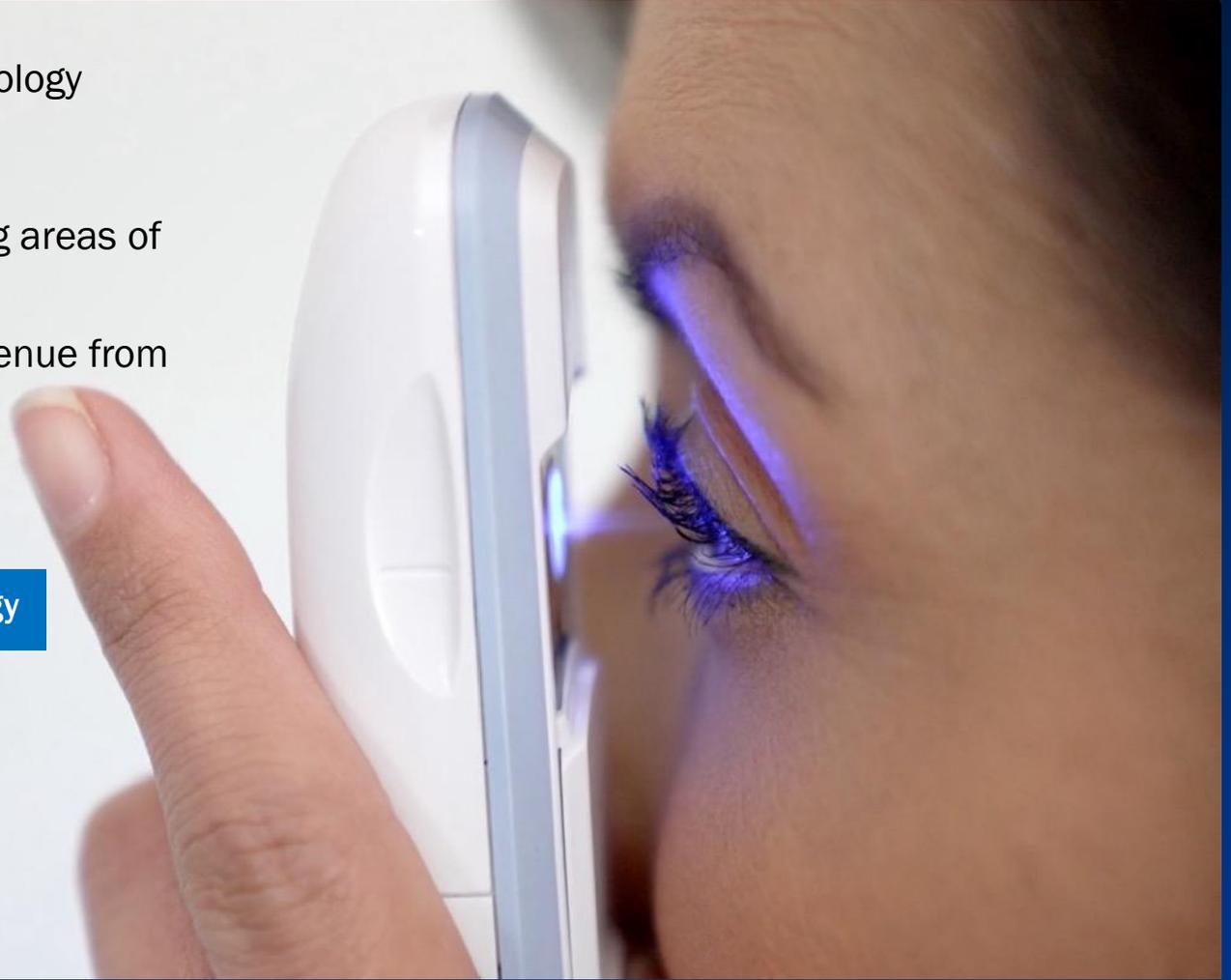
Eyenovia (NASDAQ:EYEN) is the Optejet® Company



- Patented digital device platform technology
- Unique, class-leading drug products
- High-value product pipeline addressing areas of significant medical and market need
- Multi-faceted business model with revenue from direct sales and licensing agreements

Optejet® with microdose array print technology

- Designed to address issues with ease-of-use and dosing precision
- Delivers efficacy while improving tolerability and reducing side effects¹
- Digital Optecare™ capabilities²



Today's Eyedropper Bottle

Designed for manufacturing ease, not patient use

Over the past 125 years, changes in eyedropper design have done little to improve the usability of topical ophthalmic medications



1800's
Glass Pipette



1900's
Glass Pipette with Bulb
and Separate Vial



Today
Integrated Bottle with Dropper Tip

In a recent survey conducted by J. Reckner and Associates, consumers reported that taking eye drops was among the most difficult ways to self-administer medication¹

Introducing the Optejet®

Optejet® with replaceable drug cartridge



Proprietary, pre-filled drug cartridge
manufactured by Eyenovia



Optejet is a drug-device combination product manufactured with a sterile-filled, replaceable drug cartridge and equipped with Optecare™ (connected care) capabilities

Ergonomic Design to Improve Usability

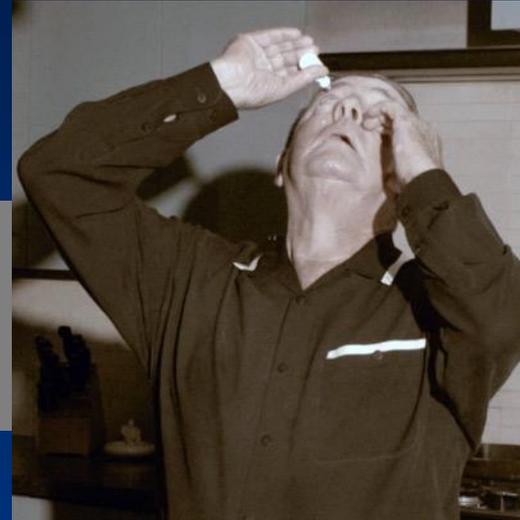
Horizontal delivery, push-button dosing and no protruding tip



Eye Dropper Bottle tips can touch the patient's eye surface and medication can drip down their face



Optejet has a recessed nozzle, protected by a shutter when not in use to prevent cross-contamination



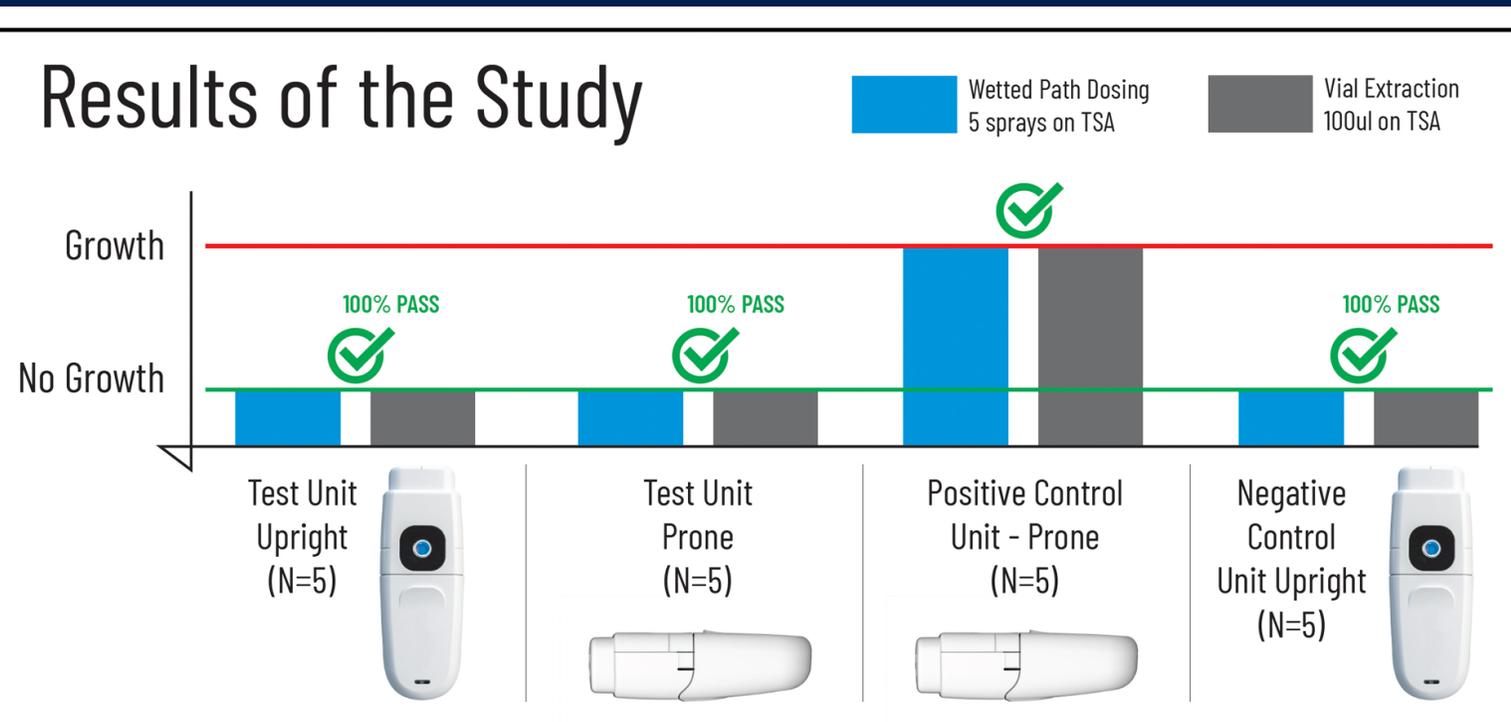
Eye Dropper Bottle administration requires head-tilting, squeezing, and reliance on gravity



Optejet administration can be done horizontally with the push of a button

Laboratory-Proven Cartridge Thoroughly Tested to Demonstrate Sterile Drug Delivery

RESULTS: Using the 1×10^6 microbial growth challenge protocol, Optejet met the passing criteria.



- All test units did not show growth for the 28-day simulated use
- All positive control units showed growth
- All negative control units did not show growth

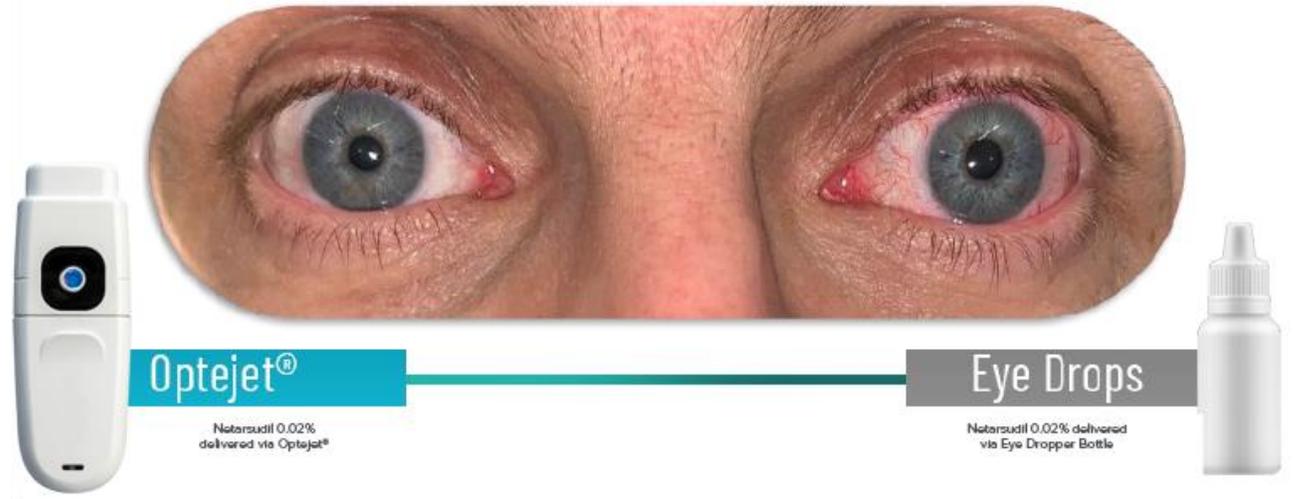
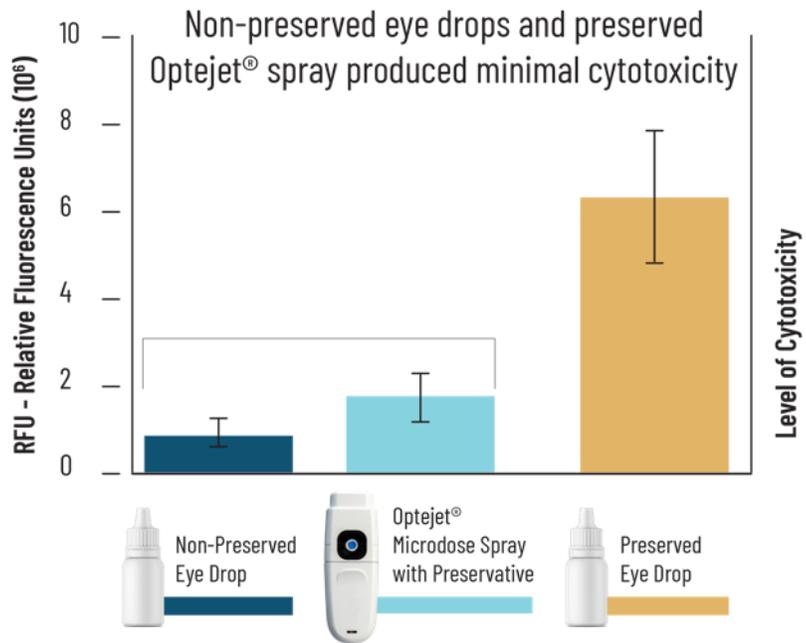
The Optejet Delivers 80% Less Drug Volume Than Eye Droppers

Sufficient for efficacy while improving benefits from reducing excessive exposure to both drugs and preservatives^{1,2}

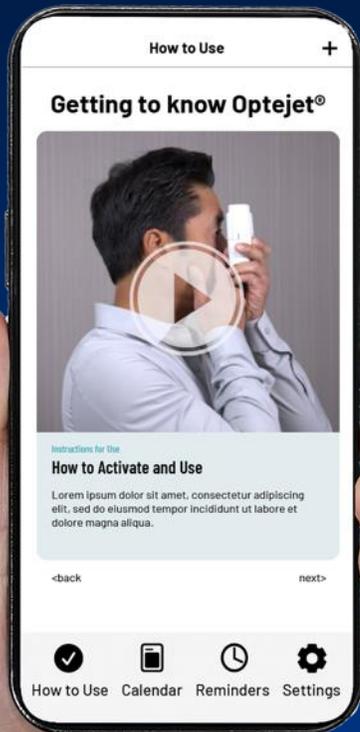
Minimizes Excessive Drug Exposure to Ocular Tissues³



Improves Local Tolerability and Decreases Systemic Exposure⁴



Optejet Digital Technology is Optecare™



The Optejet® is capable of automatically tracking usage



OPTECARE:

Multiple Benefits for All Stakeholders

PATIENT

- Reminders to take medicine
- Ability to track compliance progress
- Opportunity for brand-specific encouragement
- May be monetized through App subscription service

PHYSICIAN

- Ability for quicker action with more accurate data
- Opportunity for billing: CPT Code (98980) for monthly check of compliance data

PAYER

- Cost savings: Less likely to have patient on second medication if compliance is the issue
- Better outcomes: Compliance with drug therapy shown to slow disease progression¹

Broad Intellectual Property Portfolio

- Key claims covered with multiple patents
 - 18 US Patents Issued; 8 pending
 - 89 foreign issued; 33 pending
 - Many in effect beyond 2031
- Clinical data and regulatory approval adds another layer of IP



MydCombi™

The First FDA-Approved Product with Optejet® Technology



The Office-Based and Surgical Pupil Dilation Market \$250 Million Opportunity¹ in the United States

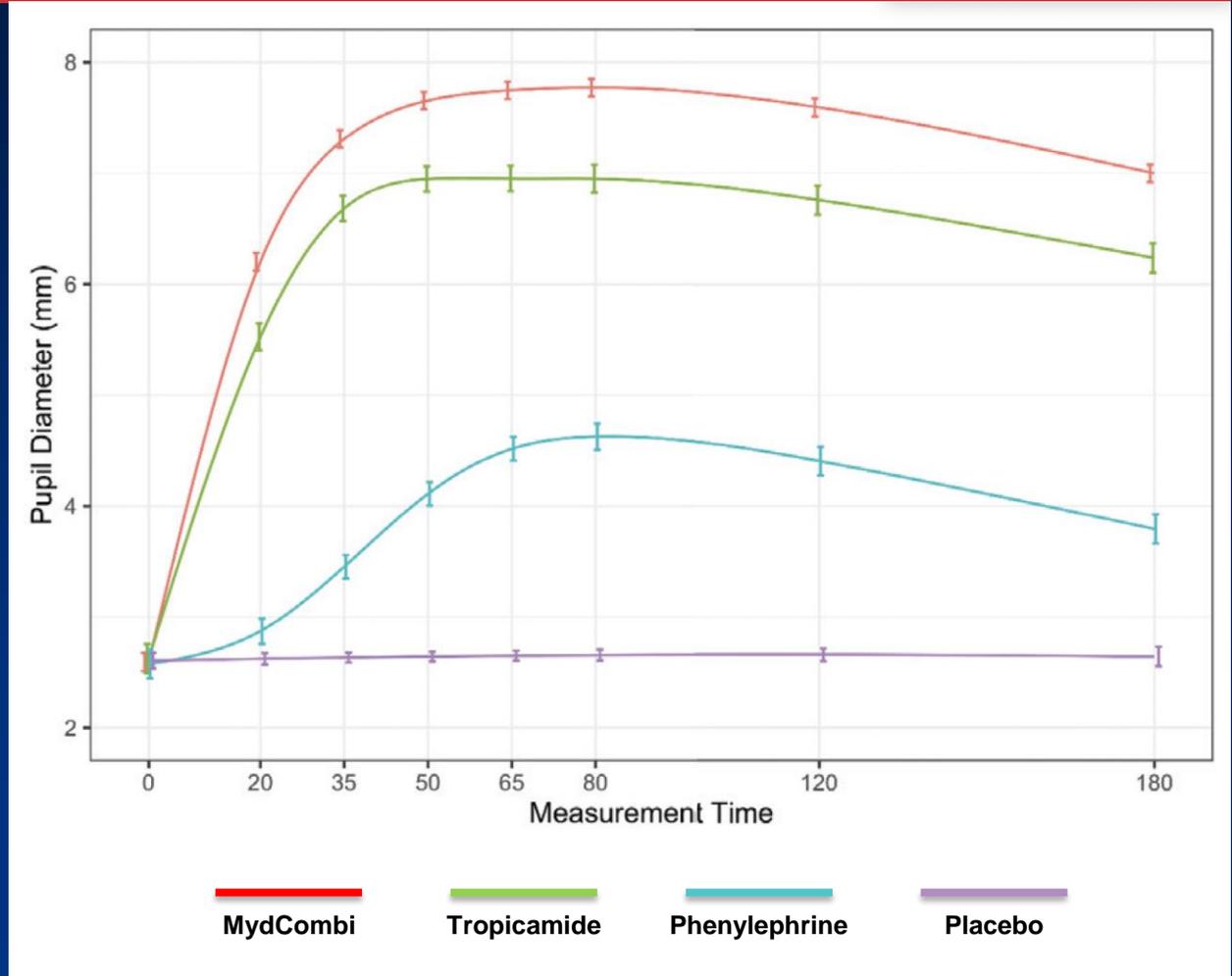
- The leading pupil dilation drugs are tropicamide and phenylephrine, both used individually and together and delivered as eye drops
- There are approximately 108 million office-based dilations performed annually in the United States
- The current process suffers from a number of shortfalls:
 - - Multiple eyedrops are usually needed
 - - Patient discomfort and avoidance
 - - Time-consuming administration and slow recovery to “normal”
 - - Cross-contamination risk



MydCombi™

First and only FDA approved ophthalmic spray for mydriasis

- Two Phase 3 clinical trials evaluated the efficacy of MYDCOMBI for achievement of mydriasis.
- MYDCOMBI was statistically superior to tropicamide administered alone and phenylephrine administered alone.
- Nearly all (94%) subject eyes achieved clinically significant effect by achieving pupil diameter of ≥ 6 mm at 35-minute post-dose compared to 78% of eyes administered tropicamide alone and 1.6% of eyes administered phenylephrine alone.
- Clinically effective mydriasis was observed as quickly as 20 minutes.



MydCombi™

Modern Mydriasis: An Easy Way to Dilate

The only FDA approved fixed-dose combination of the leading pupil dilating drugs

Quickly achieves clinically necessary dilation and reliable time to resolution¹

Well tolerated. In clinical studies 97% of patients reported zero side effects¹

Soon to be listed by leading Optometry buying group Vision Source (visionsource.com) and available on EyenoviaRx.com

Indication: MYDCOMBI (tropicamide 1% and phenylephrine HCl 2.5%) ophthalmic spray is indicated to induce mydriasis for routine diagnostic procedures and in conditions where short term pupil dilation is desired. **IMPORTANT SAFETY INFORMATION. CONTRAINDICATIONS:** Known hypersensitivity to any component of the formulation. **WARNINGS AND PRECAUTIONS.** FOR TOPICAL OPHTHALMIC USE. NOT FOR INJECTION. This preparation may cause CNS disturbances which may be dangerous in pediatric patients. The possibility of psychotic reaction and behavioral disturbance due to hypersensitivity to anticholinergic drugs should be considered. Mydriatics may produce a transient elevation of intraocular pressure. Significant elevations in blood pressure have been reported. Caution in patients with elevated blood pressure. Rebound miosis has been reported one day after installation. Remove contact lenses before using. **DRUG INTERACTIONS.** Atropine-like Drugs: May exaggerate the adrenergic pressor response. Cholinergic Agonists and Ophthalmic Cholinesterase Inhibitors: May interfere with the antihypertensive action of carbachol, pilocarpine, or ophthalmic cholinesterase inhibitors. Potent Inhalation Anesthetic Agents: May potentiate cardiovascular depressant effects of some inhalation anesthetic agents. **ADVERSE REACTIONS.** Most common ocular adverse reactions include transient blurred vision, reduced visual acuity, photophobia, superficial punctate keratitis, and mild eye discomfort. Increased intraocular pressure has been reported following the use of mydriatics. Systemic adverse reactions including dryness of the mouth, tachycardia, headache, allergic reactions, nausea, vomiting, pallor, central nervous system disturbances and muscle rigidity have been reported with the use of tropicamide. To report SUSPECTED ADVERSE REACTIONS, contact Eyenovia, Inc. At 1-833-393-6684 or FDA at 1-800-FDA-1088 (www.fda.gov/medwatch) www.mydcombi.com for FULL PRESCRIBING INFORMATION

MydCombi
Because You Care
EXPERIENCE THE BENEFITS OF MODERN MYDRIASIS

eyenovia

MydCombi
(tropicamide and phenylephrine HCl ophthalmic spray) 1%/2.5%

MYDCOMBI.COM

INDICATION: MYDCOMBI (tropicamide 1% and phenylephrine HCl 2.5%) ophthalmic spray is indicated to induce mydriasis for routine diagnostic procedures and in conditions where short term pupil dilation is desired. **IMPORTANT SAFETY INFORMATION. CONTRAINDICATIONS:** Known hypersensitivity to any component of the formulation. **WARNINGS AND PRECAUTIONS:** FOR TOPICAL OPHTHALMIC USE. NOT FOR INJECTION. This preparation may cause CNS disturbances which may be dangerous in pediatric patients. The possibility of psychotic reaction and behavioral disturbance due to hypersensitivity to anticholinergic drugs should be considered. Mydriatics may produce a transient elevation of intraocular pressure. Significant elevations in blood pressure have been reported. Caution in patients with elevated blood pressure. Rebound miosis has been reported one day after installation. Remove contact lenses before using. **DRUG INTERACTIONS:** Atropine-like Drugs: May exaggerate the adrenergic pressor response. Cholinergic Agonists and Ophthalmic Cholinesterase Inhibitors: May interfere with the antihypertensive action of carbachol, pilocarpine, or ophthalmic cholinesterase inhibitors. Potent Inhalation Anesthetic Agents: May potentiate cardiovascular depressant effects of some inhalation anesthetic agents. **ADVERSE REACTIONS.** Most common ocular adverse reactions include transient blurred vision, reduced visual acuity, photophobia, superficial punctate keratitis, and mild eye discomfort. Increased intraocular pressure has been reported following the use of mydriatics. Systemic adverse reactions including dryness of the mouth, tachycardia, headache, allergic reactions, nausea, vomiting, pallor, central nervous system disturbances and muscle rigidity have been reported with the use of tropicamide. To report SUSPECTED ADVERSE REACTIONS, contact Eyenovia, Inc. At 1-833-393-6684 or FDA at 1-800-FDA-1088 (www.fda.gov/medwatch) www.mydcombi.com for FULL PRESCRIBING INFORMATION



Testimonials



“My staff and the patients love the technology. MydCombi provides good dilation without the burning associated with in-office dilation.”

Edward Rubinchik, MD
SmartEyeCare - NY



“MydCombi is a no brainer. Patients tolerated the medication better due to the Optejet device, and it saves our technicians work up time vs. using three eye drops.”

Ed Yung, MD
Pacific Eye Institute - CA



“MydCombi is easier to use for patients with difficult eye anatomies than eye drops. There’s no chance of contamination as MydCombi doesn’t touch the patients' eyes.”

Krystina Feliciano, Ophthalmic Tech
New York Eye Surgery Center



“Patients are dilating faster and get back to normal faster. It’s easy to use by my technicians.”

Aleksandra Wianecka, OD
Vision Source Signature
Eyecare - NY



“MydCombi has been a fantastic addition to our office in the age of streamlined medicine and has been welcomed by our patients.”

Nathan Radcliffe, MD
New York Eye Surgery Center



“MydCombi is easy to handle, and the effectiveness is similar to eye drops with patients experiencing more comfort when instilled.”

Dan Tran, MD
Coastal Vision Medical Group - CA

Clobetasol Propionate Ophthalmic Suspension 0.05%

Eyenovia's Second FDA-Approved Product

An Important Advancement in Ocular Post-Surgical Pain and Inflammation Control

➤ 2024

Post-ocular pain and inflammation

- Short and mid-term revenue opportunity (\$1.3B market)
- Synergistic commercialization with MydCombi's sales force



➤ 2027

Acute Dry eye treatment

- Potential dry eye product in the Optejet (\$3.6B market)



Ophthalmology's Newest Steroid: Clobetasol

Physicians now have access to a well characterized steroid with an advantageous profile



Available 2H 2024

Clobetasol Propionate Ophthalmic Suspension 0.05%, BID



Strong efficacy in pain relief and inflammation reduction

Simplicity for patients with twice-a-day dosing

Safety and tolerability with low incidence of IOP spikes

Patented APNT Science

Ease of Access
Regardless of Insurance
with Value Pricing

Clobetasol Utilizes APNT Technology

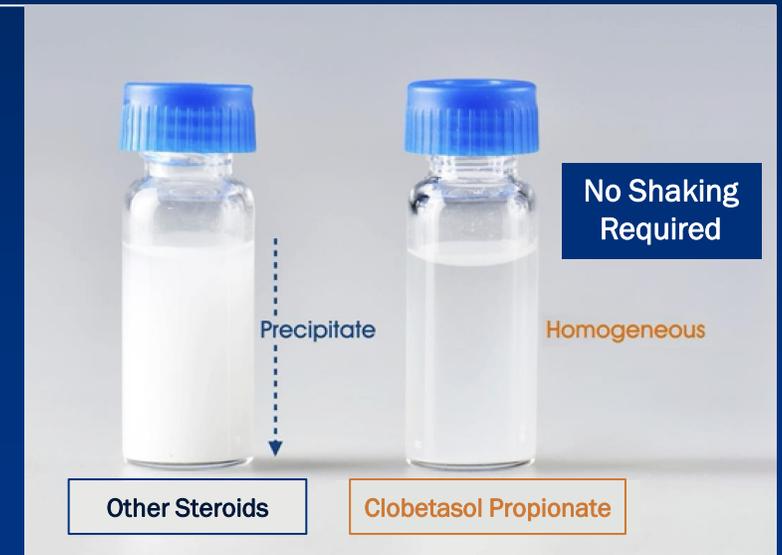
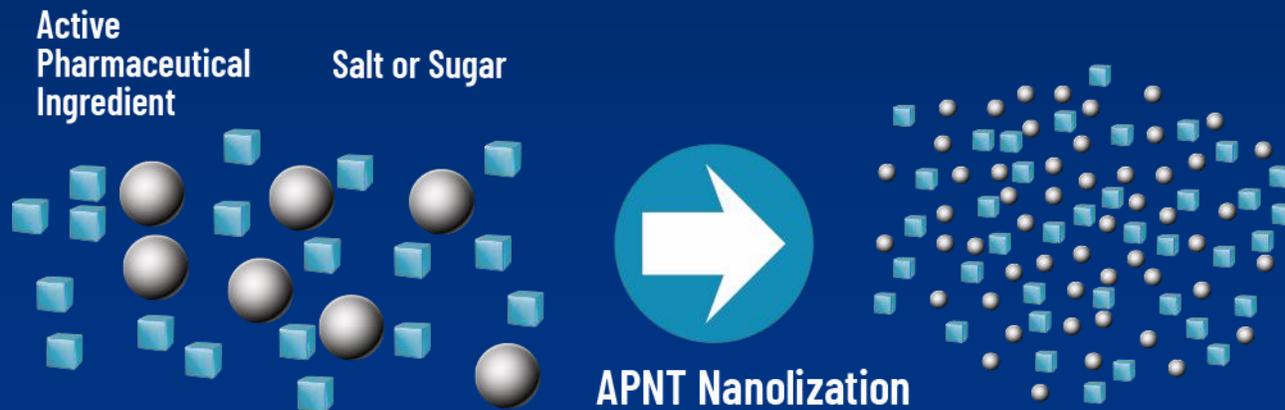
Clobetasol Propionate Suspension 0.05%, BID

Active Pharmaceutical Nanoparticle Technology:

Increases dissolution • Stable and excellent dispersion properties

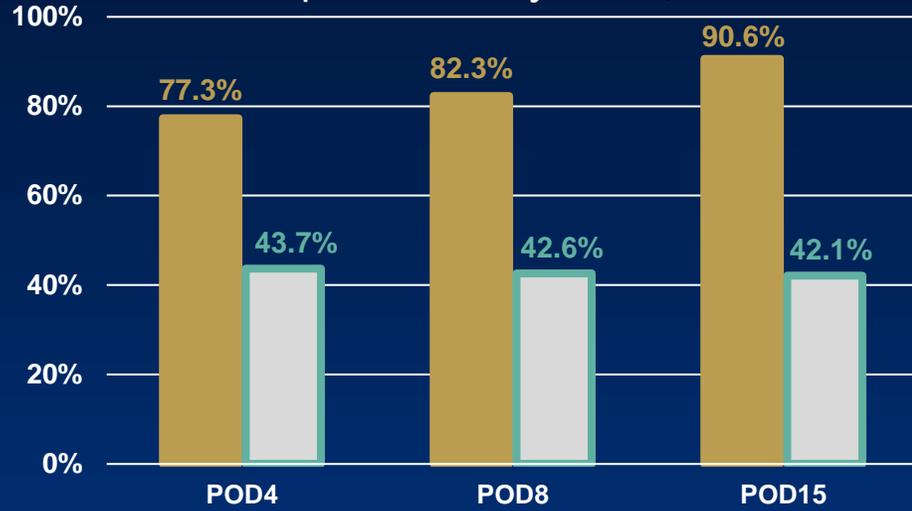
Increases bioavailability

Active ingredient is milled down with salts and sugars to nanoparticle size



Rapid and Sustained Ocular Pain Relief and Clearance of Inflammation

Percent of Patients with Complete Resolution of Pain at Post-Operative Days 4, 8, and 15



STUDY 1

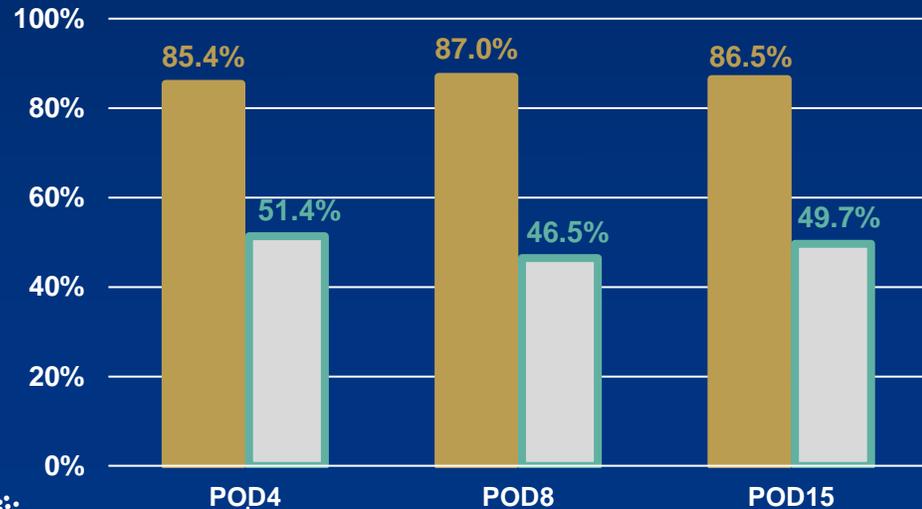
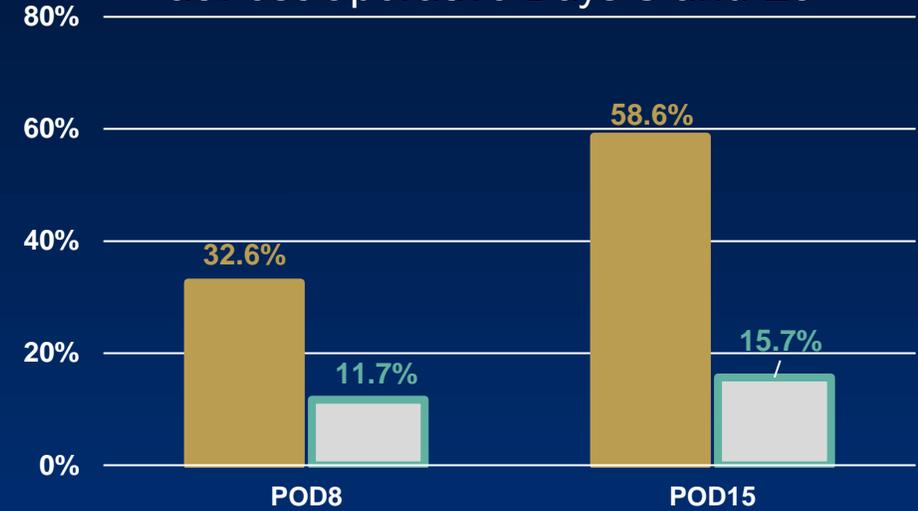
Clobetasol Propionate

N=181

Placebo

N=197

Percent of Patients with Anterior Chamber Cell Count = 0 at Post-Operative Days 8 and 15



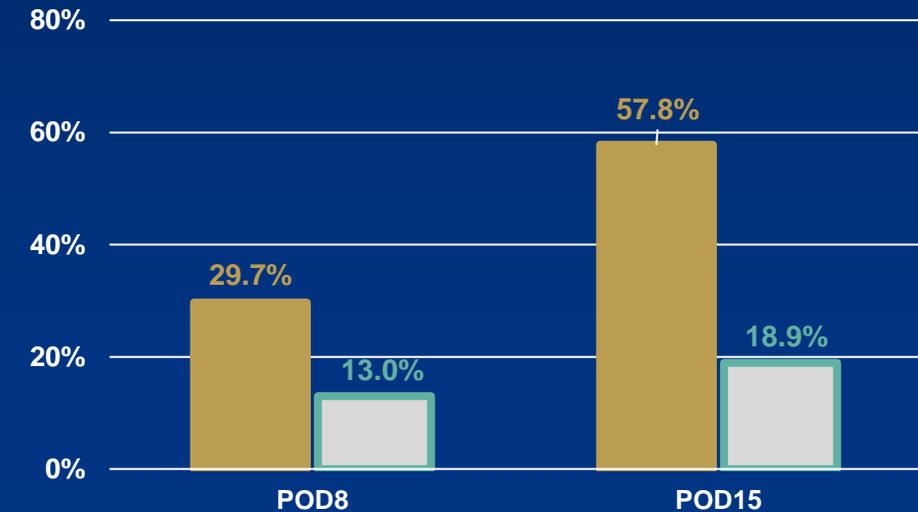
STUDY 2

Clobetasol Propionate

N=185

Placebo

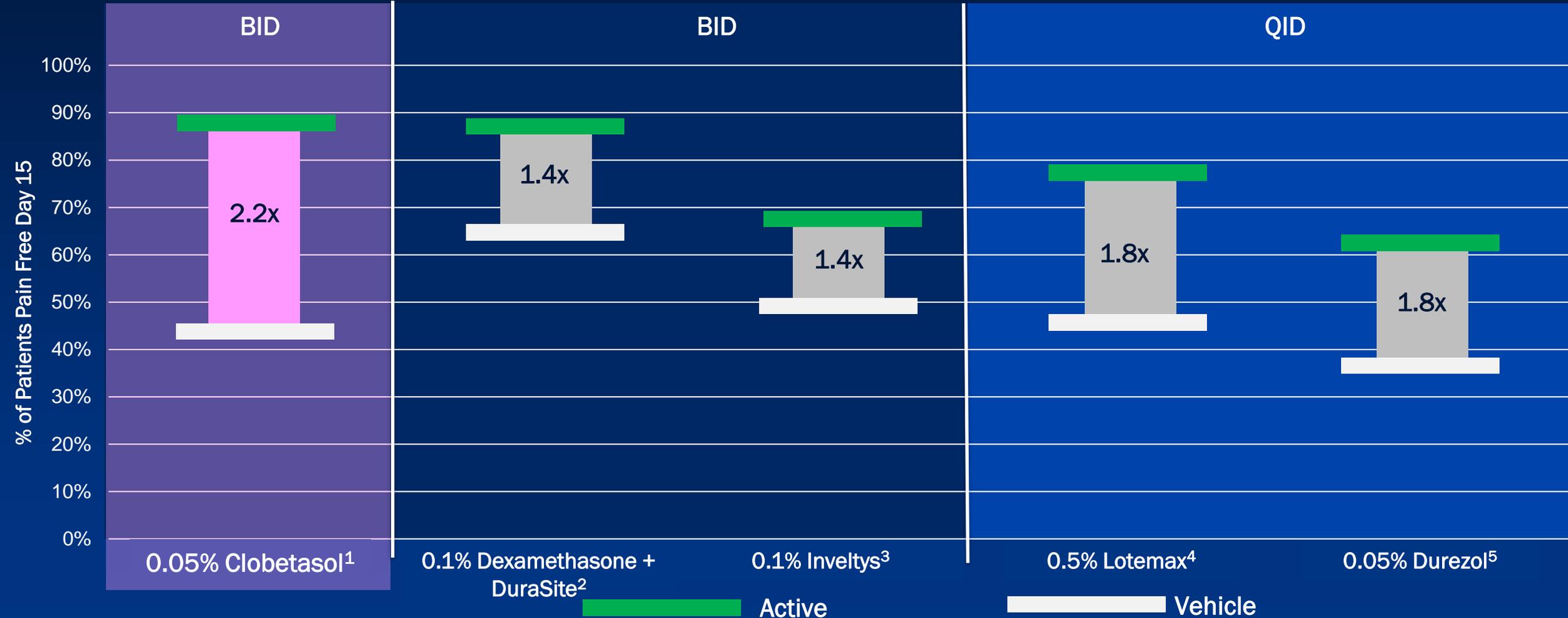
N=185



Ratio of Patients Pain Free at Day 15 Post-Op

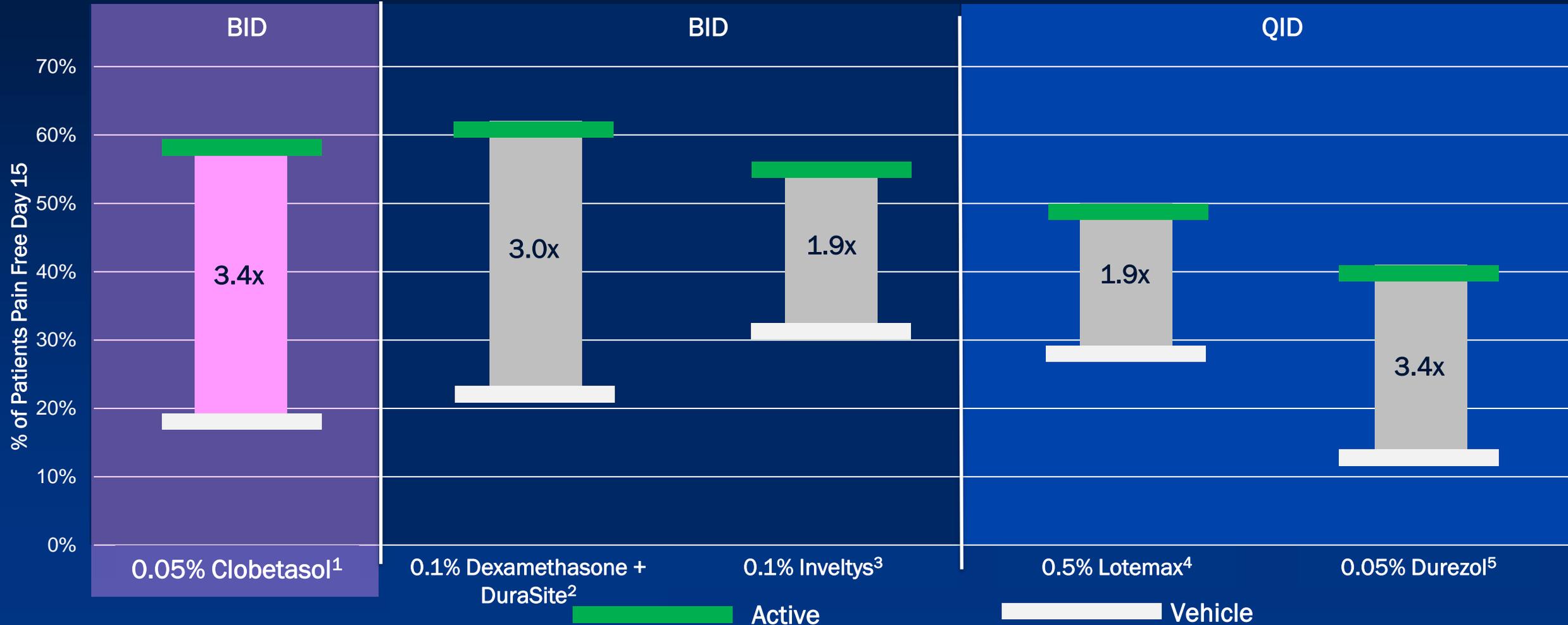
Summary of Published Studies

A Larger Separation Between Active and Placebo Groups May Not Be Indicative of Relative Efficacy



Ratio of Patients with No Inflammation Day 15 Post Op (ACC Grade = 0) Summary of Published Studies

A Larger Separation Between Active and Placebo Groups May Not Be Indicative of Relative Efficacy



Very Low Rate of Adverse Reactions

All of Which Occurred in 2% or Fewer Patients

Many of these reactions may have been the consequence of the surgical procedure

- Eye Inflammation (2%)
- Corneal Edema (2%)
- Anterior Chamber Inflammation (2%)
- Cystoid Macular Edema (2%)
- Intraocular Pressure Elevation (1%)
- Photophobia (1%)
- Vitreous Detachment (1%)

Distributed and Priced for Immediate, Broad Access

- ✓ Two Avenues of Distribution
 - ✓ Direct Ordering from EyenoviaRx.com
 - ✓ E-Prescribing from MedVantx Specialty Pharmacy
- ✓ Competitive Pricing Regardless of Insurance Status
- ✓ Non-Substitutable
- ✓ **No Call-Backs to Physicians (Cost Savings to Practice)**

Clobetasol: The New Generation of Ophthalmic Steroid

- **Powerful Efficacy for Pain and Inflammation Relief Post-Ocular Surgery**
- **Simple BID Dosing Regimen**
- **Adverse Events Infrequent**
- **Competitive Pricing - Regardless of Insurance**

Late-Stage Development Pipeline

	Product	Indication	Targeted Product Differentiation	United States Addressable Market	Next Milestone
PROPRIETARY	MicroPine	Pediatric Progressive Myopia	Optejet: Ease of use, less systemic exposure, Optecare™ service	\$1.8B ²	Planned Ph3 Interim Analysis Q4 2024
	Apersure (MicroLine)	Presbyopia	Optejet: Ease of use, convenience, low side effect incidence	\$850M ³	NDA on hold pending market conditions

Facing the Myopia Epidemic

Experts around the world are tackling the challenge of myopia on multiple fronts. An overview of current behavioral, pharmacological, and optical approaches.

MYOPIA: A GLOBAL EPIDEMIC



An overview of the problem and efforts to address it.

BY NEESURG MEHTA, MD; AND ANGIE WEN, MD

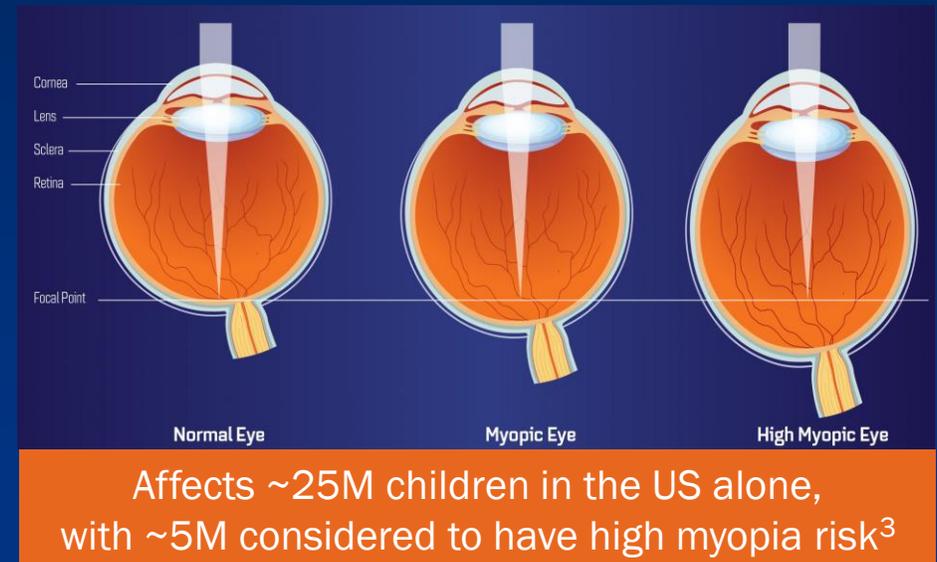
FORBES > INNOVATION > HEALTHCARE

The Growing Global Epidemic Of Childhood Myopia: Is Atropine The Answer?

Progressive Myopia is a Global Epidemic That Can Lead to Vision Loss and Blindness if Not Controlled

- Begins in early childhood, with genetic link¹
- Elongation of the eye with morbidity and vision problems²
- Urgent need for FDA-approved drug therapies to slow myopia progression

Progression of Myopic Maculopathy



¹ Jones LA, Sinnott LT, Mutti DO, Mitchell GL, Moeschberger ML, Zadnik K. Parental history of myopia, sports and outdoor activities, and future myopia. Invest Ophthalmol Vis Sci. 2007 Aug;48(8):3524-32.

² Eye and Contact Lens. 2004; 30

³ Theophanous C. Myopia Prevalence and Risk Factors in Children. Clinical Ophthalmology. December 2018. U.S. Census Bureau, Current Population Survey, Annual Social and Economic Supplement, 2019.

Treatment Options and Medical Need

Approved Devices

- **Soft (MiSight) and Hard (Ortho-K) contact lenses are used to correct nearsightedness and slow the progression of myopia in children**

Over 75% of optometrists, however, feel that using contact lenses in patients under 10 years of age is not appropriate. Microbial keratitis being a serious concern for contact lens wearers.¹

- **Stellest Specialty Glasses are also used to correct vision and slow axial elongation**

A 2012 study showed that two thirds of children did not comply with wearing their vision correcting spectacles due to various reasons (Dislike, Lost/Broken, Feel Unnecessary, Teasing)²

Drugs in Clinical Trials

- **Atropine eyedrops have been observed to slow myopia progression in children³**
- **Multiple companies (Sydnexis and Ocumension) are in clinical trials using atropine drops ranging in concentrations from 0.01% to 0.03%. These trials are expected to be completed from 2024-2027**
- **Eyenovia's MicroPine ophthalmic spray is in trial evaluating atropine sulfate solution concentrations at 0.1%, and 0.01%. MicroPine delivers ~8µL of drug horizontally and can track adherence. Eyenovia's trial is expected to be completed in 2029**

Adherence to therapies is a primary determinant of treatment success. Extensive review of the literature reveals that in developed countries adherence to therapies averages 50%.³

Optejet Designed to Address Unmet Needs

- **Increased Tolerability**
 - Lower Drug Exposure
- **Ease of Use**
 - Optejet has been used for nearly 5,000 patient months in children
- **Enhanced Compliance**
 - Connected-care allows for monitoring of patient use and discussion with healthcare provider
- **Enhanced Safety**
 - Lower systemic exposure

Pediatric Progressive Myopia

**A Potential Market Valued at
\$1.8B in the US and Similarly
in China**



**SIMPLE.
EFFECTIVE.
EASY.**

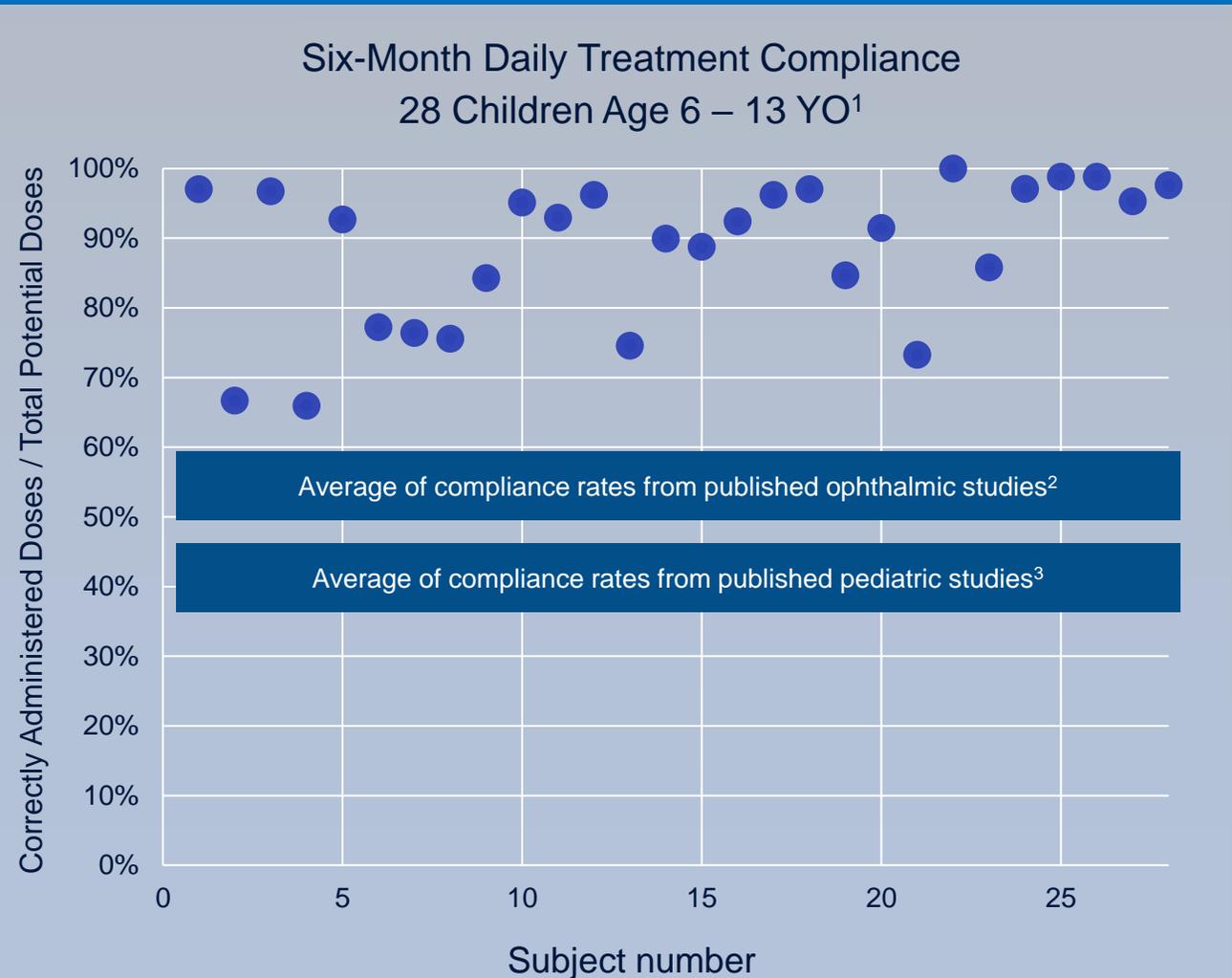
Only MicroPine comes
with Optecare™

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed
do eiusmod tempor incididunt ut labore et dolore magna
aliqua. Ut enim ad minim veniam, quis nostr.

 **MICROPINE**

Optecare™ Designed to Improve Treatment Adherence

- Precision-dosed atropine spray developed specifically for children
 - Easy, daily use by children¹
 - Lower drug volume exposure to enhance comfort and minimize systemic exposure
 - Can communicate with smart devices to track treatment adherence and provide family reminders
- Compliance data shows promise compared with historical treatments



MicroPine Planned Development Timeline



NovaBay Co-Promotion

- NovaBay and Eyenovia are co-promoting Avenova and Clobetasol
- NovaBay salesforce will support Clobetasol sales in geographies not covered by Eyenovia's salesforce
- Eyenovia will promote Avenova with their salesforce
- No additional promotional cost, with each company earning a percentage of incremental sales

Avenova fits within Eyenovia's promotional framework, providing a superior experience for doctors and patients before and after ocular surgery

Pre-Surgical

Post-Surgical



Avenova

MydCombi



Clobetasol

Avenova



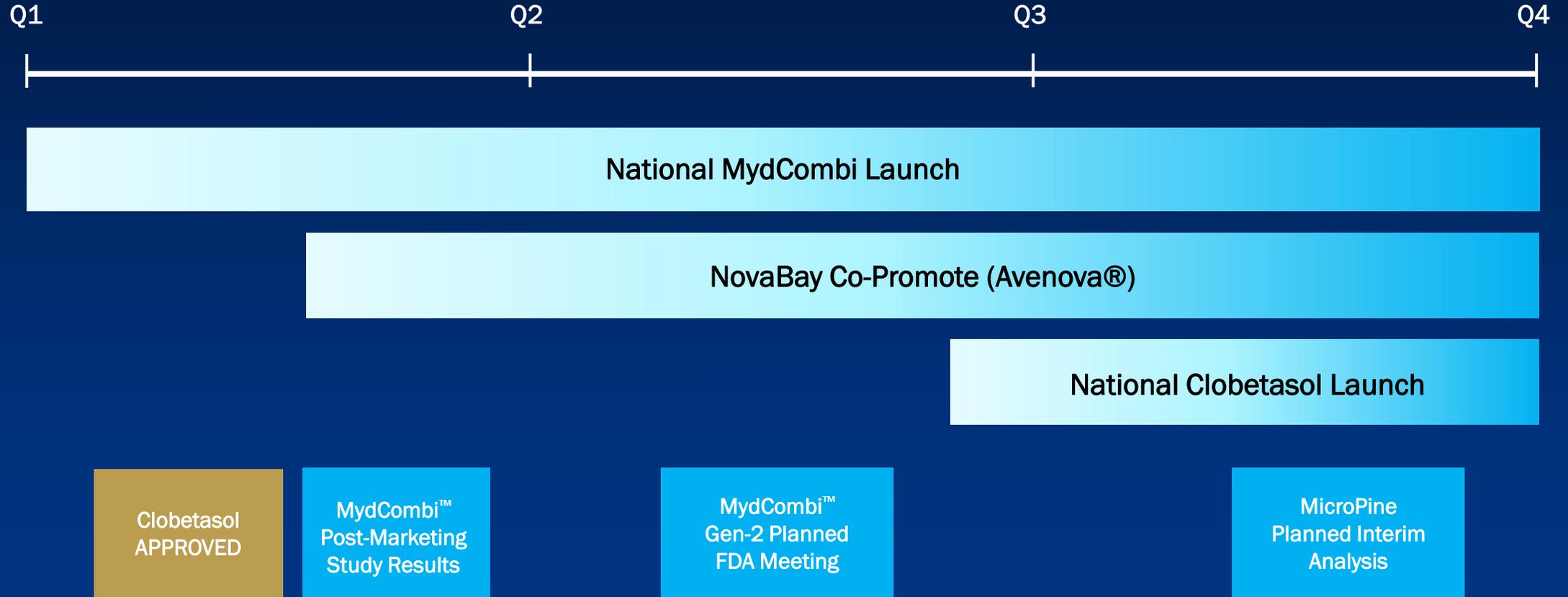
- Cleans Lids and Lashes
- Kills Most Pathogens

- Hygienic Dilation (No Touch)
- Effective and Well-Tolerated

- New Steroid in Ophthalmology for Pain and Inflammation
- Efficacious and Well-Tolerated
- Twice-a-day Dosing

- Cleans Lids and Lashes
- Kills Most Pathogens

Eyenovia: 2024 Key Events



Additional Large-Market Opportunities

	Target Market	Targeted Product Differentiation	United States Addressable Market
POTENTIAL	Glaucoma	Optejet: Optecare™ service, Ease of use, Low side effect incidence	\$2.7B ¹
	Acute Dry Eye	Optejet: New drug class, Ease of use, Fast onset	\$610M ²
	Chronic Dry Eye	Optejet: New MOA, Ease of use, Fast onset	\$5.5B ²
	Eye Hydration	Optejet Device Registration	

Financial Snapshot (December 2023)

Nasdaq: EYEN

Common Shares Outstanding	45.6M
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Equity Grants Outstanding Under Stock Plans	5.5M
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Warrants	10.9M
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Fully Diluted Shares	62.0M
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Cash	\$14.8M
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Debt	\$15.6M
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Experienced Leadership Team



John Gandolfo
Chief Financial Officer



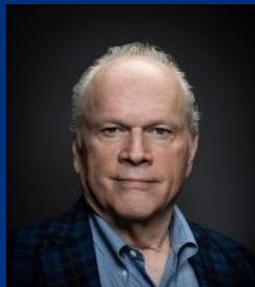
Michael Rowe
Chief Executive Officer



Bren Kern
Chief Operating Officer



Norbert Lowe
VP, Commercial Operations



Greg Bennett
VP, Clinical Program
Strategy and Development



Malini Batheja, PhD
VP, Pharm R&D and
CMC Regulatory



Enrico Brambilla
VP, Device R&D and
Engineering



Lauren Gidden
VP, Quality and
Regulatory Affairs



Rob Richardson
VP, Manufacturing