

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Amendment No. 1
FORM S-3
REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

EYENOVIA, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of
incorporation or organization)

47-1178401

(I.R.S. Employer
Identification Number)

**295 Madison Avenue, Suite 2400
New York, New York 10017
Telephone: (917) 289-1117**

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

**Tsontcho Ianchulev
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(Name, address, including zip code, and telephone number, including area code, of agent for service)

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Approximate date of commencement of proposed sale to the public: From time to time after the effective date of this Registration Statement.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer
Non-accelerated filer

Accelerated filer
Smaller reporting company
Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

The registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment that specifically states that this registration statement shall thereafter become effective in accordance

with Section 8(a) of the Securities Act or until the registration statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

The information in this prospectus is not complete and may be changed. The selling stockholders may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and is not soliciting an offer to buy these securities in any jurisdiction where the offer or sale is not permitted.

Subject to Completion, Dated May 8, 2020

PRELIMINARY PROSPECTUS



6,019,447 Shares of Common Stock

This prospectus relates to the resale from time to time of up to 2,675,293 shares of our common stock, and 1,337,659 shares of our common stock that are issuable upon the exercise of Class A warrants and 2,006,495 shares of our common stock that are issuable upon the exercise of Class B warrants (together, the “Warrants”) held by the selling stockholders named in this prospectus, including their transferees, pledgees, donees or successors, that were issued in connection with a private placement offering completed on March 24, 2020, or the Private Placement. We are registering these shares as required by the Registration Rights Agreement we entered into with the selling stockholders on March 23, 2020.

We are not selling any shares of common stock and will not receive any proceeds from the sale of the shares under this prospectus. We have agreed to bear all of the expenses incurred in connection with the registration of these shares. The selling stockholders will pay or assume brokerage commissions and similar charges, if any, incurred for the sale of shares of our common stock.

The selling stockholders may sell the shares described in this prospectus in a number of different ways and at varying prices. We provide more information about how the selling stockholders may sell their shares of common stock in the section entitled “Plan of Distribution” on page 13. The selling stockholders will pay all brokerage fees and commissions and similar expenses. We will pay all expenses (except brokerage fees and commissions and similar expenses) relating to the registration of the shares with the Securities and Exchange Commission. No underwriter or other person has been engaged to facilitate the sale of shares of our common stock in this offering.

Our common stock is traded on the NASDAQ Capital Market under the symbol “EYEN.” On May 7, 2020, the last reported sales price of our common stock was \$3.67 per share.

Investing in our common stock involves a high degree of risk. You should review carefully the risks and uncertainties described under the heading “Risk Factors” beginning on page 6 of this prospectus, and under similar headings in any amendments or supplements to this prospectus.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

The date of this prospectus is _____, 2020.

TABLE OF CONTENTS

About This Prospectus	i
Prospectus Summary	2
The Offering	4
Risk Factors	6
Cautionary Note Regarding Forward-Looking Statements	7
Use of Proceeds	9
Selling Stockholders	10
Plan of Distribution	13
Dividend Policy	15
Legal Matters	15
Experts	15
Where You Can Find Additional Information	15
Incorporation of Certain Information by Reference	16

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we filed with the Securities and Exchange Commission, or the SEC, utilizing a “shelf” registration process. Under this shelf registration process, the selling stockholders named in this prospectus may from time to time sell shares of our common stock in one or more offerings.

This prospectus provides you with a general description of the shares of common stock the selling stockholders may offer. Each time the selling stockholders sell shares of our common stock using this prospectus, to the extent necessary, we will provide a prospectus supplement that will contain specific information about the terms of that offering, including the number of shares being offered, the manner of distribution, the identity of any underwriters or other counterparties and other specific terms related to the offering. The prospectus supplement may also add, update or change information contained in this prospectus. To the extent that any statement made in an accompanying prospectus supplement is inconsistent with statements made in this prospectus, the statements made in this prospectus will be deemed modified or superseded by those made in the accompanying prospectus supplement. You should read both this prospectus and any accompanying prospectus supplement together with the additional information described under the heading “Where You Can Find Additional Information” beginning on page 15 of this prospectus.

Neither we nor the selling stockholders have authorized anyone to provide you with information different from that contained in this prospectus, any accompanying prospectus supplement or in any related free-writing prospectus filed by us with the SEC. Neither we nor the selling stockholders take any responsibility for, or provide any assurance as to the reliability of, any information other than the information in this prospectus, any accompanying prospectus supplement or in any related free-writing prospectus filed by us with the SEC. This prospectus and any accompanying prospectus supplement do not constitute an offer to sell or the solicitation of an offer to buy any securities other than the securities described in this prospectus or any accompanying prospectus supplement or an offer to sell or the solicitation of an offer to buy such securities in any circumstances in which such offer or solicitation is unlawful. You should assume that the information appearing in this prospectus, any prospectus supplement, the documents incorporated by reference and any related free-writing prospectus is accurate only as of their respective dates. Our business, financial condition, results of operations and prospects may have changed materially since those dates.

Unless the context indicates otherwise, references in this prospectus to “Eyenovia,” “Company,” “we,” “us” and “our” refer to Eyenovia, Inc.

PROSPECTUS SUMMARY

This summary highlights certain information about us and this offering contained elsewhere in this prospectus. Because it is only a summary, it does not contain all of the information that you should consider before investing in shares of our securities and it is qualified in its entirety by, and should be read in conjunction with, the more detailed information appearing elsewhere in this prospectus. Before you decide to invest in our securities, you should read the entire prospectus carefully, including "Risk Factors" beginning on page 6, and the consolidated financial statements and related notes incorporated by reference into this prospectus.

Company Overview

We are a clinical stage ophthalmic biopharmaceutical company developing a pipeline of microdose therapeutics utilizing our patented piezo-print delivery technology, branded the OptejetTM. Eyenovia aims to achieve clinical microdosing of next-generation formulations of well-established ophthalmic pharmaceutical agents using its high-precision targeted ocular delivery system, which has the potential to replace conventional eye dropper delivery and improve safety, tolerability, patient compliance and topical delivery success for ophthalmic eye treatments. In the clinic, the Optejet has demonstrated the ability to horizontally deliver ophthalmic medication with a success rate significantly higher than that of traditional eye drops (~90% vs. ~ 50%). Eyenovia's technology also can deliver up to a 75% reduction in ocular drug and preservative exposure and has demonstrated significant improvement in the therapeutic index in drugs used for mydriasis and IOP lowering through three Phase II and two Phase III trials. Using the Optejet, Eyenovia is developing the next generation of smart ophthalmic therapeutics which target new indications or new combinations where there are currently no comparable drug therapies approved by the United States Food and Drug Administration, or the FDA. Eyenovia's microdose therapeutics follow the FDA-designated pharmaceutical registration and regulatory process. Its products are classified by the FDA as drugs, and not medical devices or drug-device combination products.

On October 29, 2019, we announced that we were advancing the development of our MicroLine program for the improvement in the near vision in patients with presbyopia towards Phase III clinical studies. As a result of prioritizing MicroLine, in tandem with our MicroPine (progressive myopia) and MicroStat (mydriasis) programs, Eyenovia deferred development activities for its MicroProst (glaucoma and ocular hypertension) and MicroTears (red eye and itch relief lubrication) programs.

Presbyopia is a non-preventable, age-related hardening of the lens, which causes the gradual loss of the eye's ability to focus on nearby objects. There currently are no known FDA-approved drugs for the improvement of near vision in patients with presbyopia, although other companies have related therapies in their pipeline. Eyenovia has planned Phase III VISION trials for MicroLine.

MicroPine is the Company's first-in-class topical therapy for the treatment of progressive myopia, a back-of-the-eye ocular disease associated with pathologic axial elongation and sclero-retinal stretching affecting approximately five million people in the United States. In February 2019, the FDA accepted Eyenovia's investigational new drug application, or IND, to initiate its Phase III registration trial of MicroPine (the CHAPERONE study) to reduce the progression of myopia in children. Eyenovia enrolled its first patient in the CHAPERONE study in June 2019.

MicroStat is Eyenovia's fixed combination formulation of phenylephrine-tropicamide for mydriasis, designed to be a novel approach for the estimated 80 million office-based comprehensive and diabetic eye exams performed every year in the United States. Eyenovia has completed its Phase III trials for MicroStat and announced positive results from these studies, known as MIST-1 and MIST-2.

Results from Eyenovia's previous Phase II clinical trials have been published in peer-reviewed literature. Two studies evaluating mydriatic agents demonstrated how the Optejet consistently delivered precision dosing at the volume of the eye's natural tear film capacity of 6-8 μ L, which reduced ocular and systemic drug and preservative exposure, while demonstrating pupil dilation comparable to conventional eye drops with fewer side effects. In the third study, Eyenovia evaluated usability, patient tolerability and IOP lowering of microdosed latanoprost administered with the Optejet. In this study, eyes receiving microdosed latanoprost achieved IOP reduction consistent with published literature on latanoprost eye drops, and administration of the medication was successful in a single attempt in more than 90% of cases. Based on the results from these clinical trials, we are advancing MicroLine, MicroPine, MicroStat, and MicroProst (should we resume the program) utilizing the 505(b)(2) pathway. Where possible, we also intend to use this pathway for future clinical trials in new indications with significant unmet needs.

Corporate Information

We were organized as a corporation under the laws of the State of Florida on March 12, 2014 under the name “PGP Holdings V, Inc.” On May 5, 2014, we changed our name to Eyenovia, Inc. On October 6, 2014, we reincorporated in the State of Delaware by merging into Eyenovia, Inc., a Delaware corporation. Our principal executive office is located at 295 Madison Avenue, Suite 2400, New York, NY 10017, and our phone number is 917-289-1117. Our website is <http://www.eyenovia.com>. Information contained on, or that can be accessed through, our website is not incorporated by reference into this prospectus, and you should not consider information on our website to be part of this prospectus.

Implications of Being an Emerging Growth Company

As a company with less than \$1.0 billion in revenue during our last fiscal year, we qualify as an “emerging growth company” as defined in the Jumpstart Our Business Startups Act of 2012, or the JOBS Act. For so long as we remain an emerging growth company, we are permitted and intend to rely on exemptions from specified disclosure requirements that are applicable to other public companies that are not emerging growth companies. These exemptions include:

- being permitted to provide only two years of audited financial statements, in addition to any required unaudited interim financial statements, with correspondingly reduced “Management’s Discussion and Analysis of Financial Condition and Results of Operations” disclosure;
- not being required to comply with the auditor attestation requirements in the assessment of our internal control over financial reporting;
- not being required to comply with any requirement that may be adopted by the Public Company Accounting Oversight Board regarding mandatory audit firm rotation or a supplement to the auditor’s report providing additional information about the audit and the financial statements;
- reduced disclosure obligations regarding executive compensation; and
- exemptions from the requirements of holding a nonbinding advisory vote on executive compensation and shareholder approval of any golden parachute payments not previously approved.

We may take advantage of these provisions through 2023 or such earlier time that we are no longer an emerging growth company. We would cease to be an emerging growth company if we have more than \$1.0 billion in annual revenues, have more than \$700 million in market value of our capital stock held by non-affiliates, or issue more than \$1.0 billion of non-convertible debt over a three-year period. We may choose to take advantage of some, but not all, of the available exemptions. We have taken advantage of some reduced reporting burdens in this prospectus and the documents incorporated by reference into this prospectus. Accordingly, the information contained herein may be different than the information you receive from other public companies in which you hold stock.

In addition, the JOBS Act provides that an emerging growth company can take advantage of an extended transition period for complying with new or revised accounting standards. This provision allows an emerging growth company to delay the adoption of some accounting standards until those standards would otherwise apply to private companies. We have elected to avail ourselves of this exemption from new or revised accounting standards and, therefore, will not be subject to the same new or revised accounting standards as other public companies that are not emerging growth companies.

THE OFFERING

Up to 6,019,447 Shares of Common Stock

This prospectus relates to the resale by the selling stockholders identified in this prospectus of up to 6,019,447 shares of our common stock:

- 2,675,293 shares of common stock issued in the Private Placement;
- Class A Warrants for 1,193,403 shares of common stock issued in the Private Placement to investors with an exercise price of \$2.058 per share that expire on March 24, 2021;
- Class A Warrants for 144,256 shares of common stock issued in the Private Placement to certain directors and officers of the Company with an exercise price of \$2.27 per share that expire on March 24, 2021;
- Class B Warrants for 1,790,115 shares of common stock issued in the Private Placement to investors with an exercise price of \$2.4696 per share that expire on March 24, 2025;
- Class B Warrants for 216,380 shares of common stock issued in the Private Placement to certain directors and officers of the Company with an exercise price of \$2.724 per share that expire on March 24, 2025;

Common stock offered by the selling stockholders	6,019,447 shares
Common stock outstanding before the offering ⁽¹⁾	19,776,019 shares
Common stock to be outstanding after the offering	23,120,173 shares
Common stock Nasdaq Capital Market Symbol	EYEN

- (1) The number of shares of common stock outstanding is based on an aggregate of 19,776,019 shares outstanding as of March 31, 2020, and excludes:
- 2,322,793 shares of common stock issuable upon the exercise of options outstanding as of March 31, 2020 at a weighted average exercise price of \$3.54 per share, under the 2014 Equity Incentive Plan and 2018 Omnibus Stock Incentive Plan, as amended;
 - 15,333 shares of common stock reserved for future issuance under the 2014 Equity Incentive Plan as of March 31, 2020, as amended;
 - 81,074 shares of common stock reserved for future issuance under the 2018 Omnibus Stock Incentive Plan as of March 31, 2020; and
 - 3,344,154 shares of common stock are issuable upon the exercise of warrants outstanding as of March 31, 2020.

Private Placement of Common Shares and Warrants

On March 23, 2020, we entered into a Securities Purchase Agreement with various investors pursuant to which the Company agreed to sell approximately \$6.0 million of units, with each unit consisting of (i) one share of our common stock, (ii) a Class A Warrant to purchase 0.5 of a share of our common stock, which expires on March 24, 2021, and (iii) a Class B Warrant to purchase 0.75 of a share of our Common Stock, which expires on March 24, 2025. The units were sold at a price to the public of \$2.21425 per unit. The units were sold to certain directors and executive officers at a price of \$2.42625 per unit.

The offering closed on March 24, 2020. At closing, we received net proceeds of approximately \$5.3 million after deducting placement agent fees and offering expenses.

National Securities Corporation, a wholly owned subsidiary of National Holdings Corporation (NASDAQ: NHLD), acted as the sole Placement Agent for the offering.

In the offering, the Company issued an aggregate of 2,675,293 shares of Common Stock, Class A Warrants to purchase up to 1,337,659 shares of Common Stock and Class B Warrants to purchase up to 2,006,495 shares of Common Stock.

The exercise price of the Class A Warrants issued to the public is \$2.058 per share and the exercise price of the Class A Warrants issued to the directors and officers is \$2.27 per share, both subject to adjustment for stock splits, stock dividends and similar corporate events. All the Class A Warrants terminate in one year after date of issuance and are exercisable at any time or times on or after the date of issuance.

The exercise price of the Class B Warrants issued to the public is \$2.4696 per share and the exercise price of the Class B Warrants issued to the directors and officers is \$2.724 per share, both subject to adjustment for stock splits, stock dividends and similar corporate events. All the Class B Warrants terminate in five years after date of issuance. The Class B Warrants are exercisable at any time or times on or after the date of issuance.

In connection with the offering, on March 23, 2020, the Company also entered into a Registration Rights Agreement with the investors. Pursuant to the Registration Rights Agreement, the Company must file with the SEC, no later than 30 days following the date on which the Company files its Form 10-K for the year ended December 31, 2019 with the SEC, a registration statement on Form S-3 covering the shares of common stock issued in the offering and the shares of common stock underlying the Warrants.

Use of Proceeds

The 2,675,293 shares of common stock and 3,344,154 shares of common stock issuable upon the exercise of currently outstanding warrants and that are being offered for resale by the selling stockholders will be sold for the accounts of the selling stockholders named in this prospectus. As a result, all proceeds from the sales of the 6,019,447 shares of common stock offered for resale hereby will go to the selling stockholders and we will not receive any proceeds from the resale of those shares of common stock by the selling stockholders.

We may receive up to a total of approximately \$7.8 million in gross proceeds if all of the warrants are exercised hereunder. However, as we are unable to predict the timing or amount of potential exercises of the warrants, we have not allocated any proceeds of such exercises to any particular purpose. Accordingly, all such proceeds are allocated to working capital. It is possible that the warrants may expire and may never be exercised.

We will incur all costs associated with this registration statement and prospectus.

Dividend Policy

We have never paid dividends on our capital stock and do not anticipate paying any dividends for the foreseeable future.

Risk Factors

Investing in our common stock involves a high degree of risk. Please read the information contained under the heading "Risk Factors" beginning on page 6 of this prospectus.

RISK FACTORS

Investing in our common stock involves a high degree of risk. You should consider carefully the risks and uncertainties described in the section entitled “Risk Factors” contained in our Annual Report on Form 10-K for the year ended December 31, 2019, as filed with the SEC on March 30, 2020. These risks and uncertainties are not the only risks and uncertainties we face. Additional risks and uncertainties not currently known to us, or that we currently view as immaterial, may also impair our business. If any of the risks or uncertainties described in our SEC filings or any additional risks and uncertainties actually occur, our business, financial condition, results of operations and cash flow could be materially and adversely affected. In that case, the trading price of our common stock could decline and you might lose all or part of your investment.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus contains a number of “forward-looking statements.” Specifically, all statements other than statements of historical facts included in this prospectus regarding our financial position, business strategy and plans and objectives of management for future operations are forward-looking statements. These forward-looking statements are based on the beliefs of management at the time these statements were made, as well as assumptions made by and information available to management at that time. When used in this prospectus and the documents incorporated by reference herein, the words “anticipate,” “believe,” “estimate,” “expect,” “may,” “might,” “will,” “continue” and “intend,” and words or phrases of similar import, as they relate to our financial position, business strategy and plans, or objectives of management, are intended to identify forward-looking statements. These statements reflect our view, as of the date hereof, with respect to future events and are subject to risks, uncertainties and assumptions related to various factors.

You should understand that the following important factors, in addition to those discussed in our periodic reports to be filed with the SEC under the Securities Exchange Act of 1934, as amended, or the Exchange Act, could affect our future results and could cause those results to differ materially from those expressed in such forward-looking statements:

- impacts of and uncertainty related to COVID-19;
- fluctuations in our financial results and stock price, particularly given market conditions and the potential economic impact of COVID-19;
- our need to raise additional money to fund our operations for the next twelve months as a going concern;
- risks of our clinical trials including, but not limited to, the costs, design, initiation and enrollment (which could be adversely impacted by COVID-19 and resulting social distancing), timing, progress and results of such trials;
- our expectations related to the use of proceeds from our financings;
- our expectations regarding our ability to fund our operating expenses and capital expenditure requirements with our cash on hand and proceeds from our financings;
- our estimates regarding expenses, future revenue, timing of any future revenue, capital requirements and needs for additional financing;
- the potential advantages of our reprioritized pipeline;
- our estimates regarding cost savings related to our reprioritized pipeline;
- our estimates regarding the potential market opportunity for our product candidates;
- our ability to develop and implement our anticipated commercialization, marketing and manufacturing capabilities and strategies;
- the potential advantages of our product candidates;
- the rate and degree of market acceptance and clinical utility of our products;
- our intellectual property position;
- our ability to identify additional products, product candidates or technologies with significant commercial potential that are consistent with our commercial objectives;
- our ability to attract and retain key personnel;
- the impact of government laws and regulations;
- our competitive position;

- developments relating to our competitors and our industry;
- our ability to maintain and establish collaborations or obtain additional funding;
- general or regional economic conditions;
- changes in U.S. GAAP; and
- changes in the legal, regulatory and legislative environments in the markets in which we operate, including impacts of United States government shut-downs on our ability to raise money and obtain regulatory approval for our products.

Although we believe that our expectations (including those on which our forward-looking statements are based) are reasonable, we cannot assure you that those expectations will prove to be correct. Should any one or more of these risks or uncertainties materialize, or should any underlying assumptions prove incorrect, actual results may vary materially from those described in our forward-looking statements.

Except for our ongoing obligations to disclose material information under the federal securities laws, we undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or any other reason. All subsequent forward-looking statements attributable to us or any person acting on our behalf are expressly qualified in their entirety by the cautionary statements contained or referred to herein. In light of these risks, uncertainties and assumptions, the forward-looking events discussed in this prospectus and the documents incorporated by reference herein might not occur.

USE OF PROCEEDS

We are not selling any common stock under this prospectus and will not receive any of the proceeds from the sale of shares by the selling stockholders. We may receive up to a total of approximately \$7.8 million in gross proceeds if all of the Warrants are exercised hereunder. However, as we are unable to predict the timing or amount of potential exercises of the Warrants, we have not allocated any proceeds of such exercises to any particular purpose. Accordingly, all such proceeds are allocated to working capital. It is possible that the Warrants may expire and may never be exercised.

The selling stockholders will pay any underwriting discounts and commissions and expenses incurred by them for brokerage, accounting, tax or legal services or any other expenses incurred in disposing of the shares. We will bear all other costs, fees and expenses incurred in effecting the registration of the shares covered by this prospectus, including, without limitation, all registration and filing fees, NASDAQ Capital Market listing fees and fees and expenses of our counsel and our auditors.

SELLING STOCKHOLDERS

The common stock being offered by the selling stockholders are those issued to the selling stockholders in the offering that closed on March 24, 2020, and those issuable to the selling stockholders, upon exercise of the Warrants issued in such offering. For additional information regarding the issuances of those shares of common stock and Warrants, see “Private Placement of Common Shares and Warrants” above. We are registering the shares of common stock in order to permit the selling stockholders to offer the shares for resale from time to time. Except, as disclosed below and for the ownership of the shares of common stock and the Warrants, the selling stockholders have not had any material relationship with us within the past three years.

The following table sets forth information as of April 15, 2020, with respect to the selling stockholders for whom we are registering shares for sale to the public, the number of shares of our common stock owned by the each selling stockholder prior to this offering, the percentage of common stock owned by each selling stockholder prior to this offering, the maximum number of shares of our common stock to be sold by each selling stockholder pursuant to this prospectus, the number of shares of our common stock to be owned by each selling stockholder upon completion of this offering, assuming all such shares are sold, and the percentage of common stock owned by each selling stockholder after this offering, assuming all such shares are sold.

Applicable percentage ownership is based on 19,776,019 shares of our common stock outstanding as of April 15, 2020. Beneficial ownership is determined in accordance with Rule 13d-3(d) promulgated by the SEC under the Exchange Act. The percentage of shares beneficially owned prior to the offering is based on 19,776,019 shares of our common stock outstanding as of April 15, 2020.

This table is prepared based on information supplied to us by the selling stockholders. As used in this prospectus, the term “selling stockholders” includes the selling stockholders listed below, and any donees, pledges, transferees or other successors in interest selling shares received after the date of this prospectus from the selling stockholders as a gift, pledge, or other non-sale related transfer. The numbers of shares in the column “Maximum Number of Shares of Common Stock to be Sold Pursuant to this Prospectus” represents all of the shares that each selling stockholder may offer under this prospectus. The selling stockholders may sell some, all or none of their shares. The selling stockholders may sell or transfer all or a portion of their shares of our common stock pursuant to an available exemption from the registration requirements of the Securities Act. We do not know how long the selling stockholders will hold the shares before selling them, and we currently have no agreements, arrangements or understandings with any selling stockholder regarding the sale of any of the shares.

In accordance with the terms of a registration rights agreement with the selling stockholders, this prospectus generally covers the resale of at least the sum of (i) the maximum number of shares of common stock issued and (ii) the maximum number of shares of common stock issuable upon exercise of the related Warrants, determined as if the outstanding warrants were exercised in full as of the trading day immediately preceding the date this registration statement was initially filed with the SEC, each as of the trading day immediately preceding the applicable date of determination and all subject to adjustment as provided in the registration right agreement, without regard to any limitations on the exercise of the warrants.

Name of Selling Stockholder	Shares of Common Stock Owned Prior to Offering		Maximum Number of Shares of Common Stock to be Sold Pursuant to this Prospectus	Shares of Common Stock Owned After Offering	
	Number	Percent		Number	Percent
Kurtis Krentz	50,808	*	50,808	-	*
Scott M. Curran	25,403	*	25,403	-	*
Andreas Ammelounx Living Trust	101,615	*	101,615	-	*
Robert Richard Keehan	25,403	*	25,403	-	*
Gerard J Verweij	50,808	*	50,808	-	*
Peter A. Casey	25,403	*	25,403	-	*
Scott Joseph Schueller	25,403	*	25,403	-	*

Joseph C. Atkinson	25,403	*	25,403	-	*
Chad F Mueller	40,644	*	40,644	-	*
Chetan R Vagholkar	50,808	*	50,808	-	*
Carlo Alberici	50,808	*	50,808	-	*
Paul G. Elie	25,403	*	25,403	-	*
Mario Dellaera	101,615	*	101,615	-	*
Daniel DiFilippo	30,483	*	30,483	-	*
Steven J. Shanker Living Trust DTD 4-9-1997	30,483	*	30,483	-	*
Henry A. Padinha & Terri A. Padinha	101,615	*	101,615	-	*
Dennis D. Howarter & Pamela J. Howarter	101,615	*	101,615	-	*
Ballington Living Trust DTD 8-5-14	76,210	*	76,210	-	*
Jayeshkumar R. Patel	50,808	*	50,808	-	*
Eric D. Janson					
Ruth Ann Janson	25,403	*	25,403	-	*
Charles Tyson Cornell	25,403	*	25,403	-	*
Mario Family Partners LP	185,470	*	185,470	-	*
Mario 2002 Grandchildren's Trust	92,734	*	92,734	-	*
Ernest Mario ⁽¹⁾	508,077	2.5%	185,470	322,607	1.4%
John M. Brady	50,808	*	50,808	-	*
Dennis T. Whalen & Linda P. Whalen	25,403	*	25,403	-	*
Mark W. Boyer	50,808	*	50,808	-	*
Timothy L. Carpenter & Julie L. Carpenter	40,644	*	40,644	-	*
Jeffery L. Miller & Khristen N. Zar	25,403	*	25,403	-	*
Michael A. Page	25,403	*	25,403	-	*
Alan W Page	25,403	*	25,403	-	*
James M Koch	25,403	*	25,403	-	*
Jeffrey Ronald Boyle	25,403	*	25,403	-	*
Alpesh Shah					
Hina Shah	101,615	*	101,615	-	*
Vijay Singh	25,403	*	25,403	-	*
Miles E Everson	101,615	*	101,615	-	*
Amaresh Tripathy	25,403	*	25,403	-	*
Richard Joseph Call IV	15,242	*	15,242	-	*
Eugene Zaino	101,615	*	101,615	-	*
Thorne Joseph Brown Matteson	25,403	*	25,403	-	*
Michael P Niland & Jill K Niland	50,808	*	50,808	-	*
Mark Demich	25,403	*	25,403	-	*
Robert J. Smik	30,483	*	30,483	-	*
Christopher Finnerty	50,808	*	50,808	-	*
Vaidyanathan Chandrashekhar	20,322	*	20,322	-	*
John D. Merriam	25,403	*	25,403	-	*
Glenn E. Phillips	25,403	*	25,403	-	*
Maz Partners LP	50,808	*	50,808	-	*
James C Leslie	25,403	*	25,403	-	*
Robert Forster	127,017	*	127,017	-	*
Mark T Nash	25,403	*	25,403	-	*
Jeffrey E Zaleski	25,403	*	25,403	-	*

John C Koppin	25,403	*	25,403	-	*
Charles Kevin Ferrell	25,403	*	25,403	-	*
Sean Ianchulev ⁽²⁾	2,198,143]	10.8%	185,470	2,012,673	8.5%
Applebaum Family LTD Partnership	30,483	*	30,483	-	*
Rogco Management	45,725	*	45,725	-	*
Perry Sutaria	50,808	*	50,808	-	*
Stuart M. Grant ⁽³⁾	4,389,178	21.0%	2,032,290	2,356,888	10.2%
Ramachandra C. Reddy	50,808	*	50,808	-	*
Richard Dyke Rogers	71,130	*	71,130	-	*
Scott A. Brody	50,808	*	50,808	-	*
The Temkin Family Legacy Trust No. 2	50,808	*	50,808	-	*
Wuethrich Investments, LLC	50,808	*	50,808	-	*
Edmond P Brady					
Kathleen M. Brady	45,725	*	45,725	-	*
Joann Marie Fiore Borlack					
Alan Borlack JTWROS	50,808	*	50,808	-	*
District 2 Captial Fund LP	152,422	*	152,422	-	*
Bret Harvey Balonick	15,242	*	15,242	-	*
James P Kolar	25,403	*	25,403	-	*
Edmond Allen Morrison	25,403	*	25,403	-	*
Charles Christensen	50,808	*	50,808	-	*
William E Marx	30,483	*	30,483	-	*
Steven R Lilley	25,403	*	25,403	-	*
Stephen Zawoyski	25,403	*	25,403	-	*
Alexandre Palma	25,403	*	25,403	-	*
Keith Jackson	25,403	*	25,403	-	*
Mohibullah Yousufani	20,322	*	20,322	-	*
Joseph Michalczyk	30,483	*	30,483	-	*
Denis Naughtner	50,808	*	50,808	-	*
Mark M Watermasysk	20,322	*	20,322	-	*
James Douglas Summa	25,403	*	25,403	-	*
Scott J. Gehsmann	25,403	*	25,403	-	*

* Less than 1%.

- (1) Includes (i) 319,201 shares of common stock, (ii) 8,038 restricted stock units that vest within 60 days of April 15, 2020, (iii) 77,799 shares underlying options that are exercisable within 60 days of April 15, 2020, and (iv) 103,039 shares of common stock underlying Warrants that are exercisable within 60 days of April 15, 2020.
- (2) Includes (i) 508,679 shares of common stock, 380,424 shares underlying options and 103,039 shares underlying Warrants held by Dr. Ianchulev directly that are exercisable within 60 days of April 15, 2020, (ii) 606,667 shares of common stock and 140,000 shares of common stock underlying options held by PME that are exercisable within 60 days of April 15, 2020, (iii) 453,334 shares of common stock held by PME Investor Services Eyenovia, LLC, and (iv) 6,000 shares of common stock held by The Meliora Trust. Dr. Ianchulev is one of the two principal shareholders of PME and a manager of PME Investor Services Eyenovia, LLC and therefore may be deemed to have beneficial ownership of the shares of common stock held by PME and PME Investor Services Eyenovia, LLC.
- (3) Includes (i) 3,260,128 shares of common stock and (ii) 1,129,050 shares of common stock underlying Warrants that are exercisable within 60 days of April 15, 2020.

Relationship with Selling Stockholders

As discussed in greater detail above under the section entitled “Private Placement of Common Shares and Warrants,” on March 23, 2020, we entered into the Securities Purchase Agreement with the selling stockholders, pursuant to which we sold shares of common stock and warrants to purchase shares of common stock to the selling stockholders on March 24, 2020, and agreed with the selling stockholders to file a registration statement to enable the resale of the shares of common stock covered by this prospectus. Sean Ianchulev, our Chief Executive Officer and a member of our board of directors, and Ernest Mario, a member of our board, participated in the offering and have shares of common stock covered by this prospectus.

PLAN OF DISTRIBUTION

The selling stockholders, which as used herein includes donees, pledgees, transferees or other successors-in-interest selling shares of common stock or interests in shares of common stock received after the date of this prospectus from a selling stockholder as a gift, pledge, partnership distribution or other transfer, may, from time to time, sell, transfer or otherwise dispose of any or all of their shares of common stock or interests in shares of common stock on any stock exchange, market or trading facility on which the shares are traded or in private transactions. These dispositions may be at fixed prices, at prevailing market prices at the time of sale, at prices related to the prevailing market price, at varying prices determined at the time of sale, or at negotiated prices.

The selling stockholders may use any one or more of the following methods when disposing of shares or interests therein:

- ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;
- block trades in which the broker-dealer will attempt to sell the shares as agent, but may position and resell a portion of the block as principal to facilitate the transaction;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its account;
- an exchange distribution in accordance with the rules of the applicable exchange;
- privately negotiated transactions;
- short sales effected after the date the registration statement of which this prospectus is a part is declared effective by the SEC;
- through the writing or settlement of options or other hedging transactions, whether through an options exchange or otherwise;
- broker-dealers may agree with the selling stockholders to sell a specified number of such shares at a stipulated price per share;
- a combination of any such methods of sale; and
- any other method permitted by applicable law.

The selling stockholders may, from time to time, pledge or grant a security interest in some or all of the shares of common stock owned by them and, if they default in the performance of their secured obligations, the pledgees or secured parties may offer and sell the shares of common stock, from time to time, under this prospectus, or under an amendment to this prospectus under Rule 424(b)(3) or other applicable provision of the Securities Act amending the list of selling stockholders to include the pledgee, transferee or other successors in interest as selling stockholders under this prospectus. The selling stockholders also may transfer the shares of common stock in other circumstances, in which case the transferees, pledgees or other successors in interest will be the selling beneficial owners for purposes of this prospectus.

In connection with the sale of our common stock or interests therein, the selling stockholders may enter into hedging transactions with broker-dealers or other financial institutions, which may in turn engage in short sales of the common stock in the course of hedging the positions they assume. The selling stockholders may also sell shares of our common stock short and deliver these securities to close out their short positions, or loan or pledge the common stock to broker-dealers that in turn may sell these securities. The selling stockholders may also enter into option or other transactions with broker-dealers or other financial institutions or the creation of one or more derivative securities which require the delivery to such broker-dealer or other financial institution of shares offered by this prospectus, which shares such broker-dealer or other financial institution may resell pursuant to this prospectus (as supplemented or amended to reflect such transaction).

The aggregate proceeds to the selling stockholders from the sale of the common stock offered by them will be the purchase price of the common stock less discounts or commissions, if any. Each of the selling stockholders reserves the right to accept and, together with their agents from time to time, to reject, in whole or in part, any proposed purchase of common stock to be made directly or through agents. We will not receive any of the proceeds from this offering.

The selling stockholders also may resell all or a portion of the shares in open market transactions in reliance upon Rule 144 under the Securities Act of 1933, provided that they meet the criteria and conform to the requirements of that rule.

The selling stockholders and any underwriters, broker-dealers or agents that participate in the sale of the common stock or interests therein may be "underwriters" within the meaning of Section 2(11) of the Securities Act. Any discounts, commissions, concessions or profit they earn on any resale of the shares may be underwriting discounts and commissions under the Securities Act. Selling stockholders who are "underwriters" within the meaning of Section 2(11) of the Securities Act will be subject to the prospectus delivery requirements of the Securities Act.

To the extent required, the shares of our common stock to be sold, the names of the selling stockholders, the respective purchase prices and public offering prices, the names of any agents, dealer or underwriter, any applicable commissions or discounts with respect to a particular offer will be set forth in an accompanying prospectus supplement or, if appropriate, a post-effective amendment to the registration statement that includes this prospectus.

In order to comply with the securities laws of some states, if applicable, the common stock may be sold in these jurisdictions only through registered or licensed brokers or dealers. In addition, in some states the common stock may not be sold unless it has been registered or qualified for sale or an exemption from registration or qualification requirements is available and is complied with.

We have advised the selling stockholders that the anti-manipulation rules of Regulation M under the Exchange Act may apply to sales of shares in the market and to the activities of the selling stockholders and their affiliates. In addition, to the extent applicable we will make copies of this prospectus (as it may be supplemented or amended from time to time) available to the selling stockholders for the purpose of satisfying the prospectus delivery requirements of the Securities Act. The selling stockholders may indemnify any broker-dealer that participates in transactions involving the sale of the shares against certain liabilities, including liabilities arising under the Securities Act.

We have agreed to indemnify the selling stockholders against liabilities, including liabilities under the Securities Act and state securities laws, relating to the registration of the shares offered by this prospectus.

We have agreed with the selling stockholders to keep the registration statement of which this prospectus constitutes a part effective until the earlier of (1) such time as all of the shares covered by this prospectus have been disposed of pursuant to and in accordance with the registration statement or (2) the date on which all of the shares may be sold without restriction pursuant to Rule 144 of the Securities Act.

DIVIDEND POLICY

We have never declared dividends on our equity securities, and currently do not plan to declare dividends on shares of our common stock in the foreseeable future. We expect to retain our future earnings, if any, for use in the operation and expansion of our business. Subject to the foregoing, the payment of cash dividends in the future, if any, will be at the discretion of our Board of Directors and will depend upon such factors as earnings levels, capital requirements, our overall financial condition and any other factors deemed relevant by our Board.

LEGAL MATTERS

The validity of the securities being offered hereby will be passed upon for us by Wyrick Robbins Yates & Ponton LLP, Raleigh, North Carolina.

EXPERTS

The financial statements of Eyenovia, Inc. as of December 31, 2019 and 2018 and for each of the two years in the period ended December 31, 2019 appearing in the Company's Annual Report on Form 10-K for the year ended [December 31, 2019](#) have been audited by Marcum LLP, independent registered public accounting firm, as set forth in their report, which includes an explanatory paragraph as to the Company's ability to continue as a going concern, thereon and incorporated herein by reference. Such financial statements are incorporated herein by reference in reliance on such report given upon the authority of said firm as experts in auditing and accounting.

WHERE YOU CAN FIND ADDITIONAL INFORMATION

This prospectus, which constitutes a part of the registration statement on Form S-3 that we have filed with the SEC under the Securities Act, does not contain all of the information in the registration statement and its exhibits. For further information with respect to us and the securities offered by this prospectus, you should refer to the registration statement and the exhibits filed as part of that document. Statements contained in this prospectus as to the contents of any contract or any other document referred to are not necessarily complete, and in each instance, we refer you to the copy of the contract or other document filed as an exhibit to the registration statement. Each of these statements is qualified in all respects by this reference.

We are subject to the reporting requirements of the Exchange Act and file annual, quarterly and current reports, proxy statements and other information with the SEC. You can read our SEC filings, including the registration statement, over the Internet at the SEC's website at <http://www.sec.gov>. We also maintain a website at <http://www.eyenovia.com>, at which you may access these materials free of charge as soon as reasonably practicable after they are electronically filed with, or furnished to, the SEC. The information contained in, or that can be accessed through, our website is not part of this prospectus.

INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

The SEC allows us to “incorporate by reference” information that we file with them. Incorporation by reference allows us to disclose important information to you by referring you to those other documents. The information incorporated by reference is an important part of this prospectus and any applicable accompanying prospectus supplement, and information that we file later with the SEC will automatically update and supersede this information. We filed a registration statement on Form S-3 under the Securities Act with the SEC with respect to the securities being offered pursuant to this prospectus and any applicable accompanying prospectus supplement. This prospectus omits certain information contained in the registration statement, as permitted by the SEC. You should refer to the registration statement, including the exhibits, for further information about us and the securities being offered pursuant to this prospectus and any applicable accompanying prospectus supplement. Statements in this prospectus and any applicable accompanying prospectus supplement regarding the provisions of certain documents filed with, or incorporated by reference in, the registration statement are not necessarily complete, and each statement is qualified in all respects by that reference.

Copies of all or any part of the registration statement, including the documents incorporated by reference or the exhibits, may be obtained over the Internet at the SEC’s website at <http://www.sec.gov>. We also maintain a website at <http://www.eyenovia.com>, at which you may access these materials free of charge as soon as reasonably practicable after they are electronically filed with, or furnished to, the SEC. The information contained in, or that can be accessed through, our website is not part of this prospectus. We are incorporating by reference the documents listed below, which we have already filed with the SEC, and all documents subsequently filed by us pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act prior to the termination of any offering, except as to any portion of any future report or document that is not deemed filed under such provisions:

- our Annual Report on Form 10-K for the fiscal year ended December 31, 2019, filed with the SEC on [March 30, 2020](#);
- our Current Reports on Form 8-K filed with the SEC on [March 25, 2020](#) (for the Report dated March 23, 2020), [April 13, 2020](#) and [May 8, 2020](#); and
- the description of our common stock contained in our registration statement on Form 8-A filed with the SEC on [January 24, 2018](#).

Any statement contained in this prospectus and any applicable prospectus supplement or in a document incorporated or deemed to be incorporated by reference into this prospectus and any applicable prospectus supplement will be deemed to be modified or superseded for purposes of this prospectus and any prospectus supplement to the extent that a statement contained in this prospectus and any applicable prospectus supplement or other subsequently filed document that also is or is deemed to be incorporated by reference into this prospectus and any applicable prospectus supplement modifies or supersedes the statement. Any statement so modified or superseded will not be deemed, except as so modified or superseded, to constitute a part of this prospectus and any applicable prospectus supplement.

We will furnish without charge to you, on written or oral request, a copy of any filing or report incorporated by reference, including exhibits to the document. You should direct any requests for documents to Eyenovia, Inc., 295 Madison Avenue, Suite 2400, New York, NY 10017, (917) 289-1117, Attention: Corporate Secretary.

You should rely only on information contained in, or incorporated by reference into, this prospectus and any applicable prospectus supplement. We have not authorized anyone to provide you with information different from that contained in this prospectus and any applicable prospectus supplement or incorporated by reference in this prospectus and any applicable prospectus supplement. We are not making offers to sell the securities in any jurisdiction in which such an offer or solicitation is not authorized or in which the person making such offer or solicitation is not qualified to do so or to anyone to whom it is unlawful to make such offer or solicitation.

PART II

INFORMATION NOT REQUIRED IN THE PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution.

The following table sets forth the estimated costs and expenses payable by us in connection with the common stock being registered. The selling stockholders will not bear any portion of such expenses. All the amounts shown are estimates, except for the SEC registration fee.

SEC registration fee	\$	2,231
Accounting fees and expenses	\$	40,000
Legal fees and expenses	\$	50,000
Miscellaneous	\$	2,769
Total	\$	95,000

Item 15. Indemnification of Directors and Officers.

We are incorporated under the laws of the State of Delaware. Section 145 of the Delaware General Corporation Law (“DGCL”) provides that a Delaware corporation may indemnify any persons who are, or are threatened to be made, parties to any threatened, pending, or completed action, suit, or proceeding, whether civil, criminal, administrative, or investigative (other than an action by or in the right of such corporation), by reason of the fact that such person was an officer, director, employee, or agent of such corporation, or is or was serving at the request of such person as an officer, director, employee, or agent of another corporation or enterprise. The indemnity may include expenses (including attorneys’ fees), judgments, fines, and amounts paid in settlement actually and reasonably incurred by such person in connection with such action, suit, or proceeding, provided that such person acted in good faith and in a manner he or she reasonably believed to be in or not opposed to the corporation’s best interests and, with respect to any criminal action or proceeding, had no reasonable cause to believe that his or her conduct was illegal. A Delaware corporation may indemnify any person who is, or is threatened to be made, a party to any threatened, pending, or completed action or suit by or in the right of the corporation by reason of the fact that such person was a director, officer, employee, or agent of such corporation, or is or was serving at the request of such corporation as a director, officer, employee, or agent of another corporation or enterprise. The indemnity may include expenses (including attorneys’ fees) actually and reasonably incurred by such person in connection with the defense or settlement of such action or suit provided such person acted in good faith and in a manner he or she reasonably believed to be in or not opposed to the corporation’s best interests, except that no indemnification is permitted without judicial approval if the officer or director is adjudged to be liable to the corporation. Where an officer or director is successful on the merits or otherwise in the defense of any action referred to above, the corporation must indemnify him or her against the expenses which such officer or director has actually and reasonably incurred. Our certificate of incorporation and bylaws provide for the indemnification of our directors and officers to the fullest extent permitted under the DGCL.

Section 102(b)(7) of the DGCL permits a corporation to provide in its certificate of incorporation that a director of the corporation shall not be personally liable to the corporation or its stockholders for monetary damages for breach of fiduciary duties as a director, except for liability for any:

- breach of a director’s duty of loyalty to the corporation or its stockholders;
- act or omission not in good faith or that involves intentional misconduct or a knowing violation of law;
- unlawful payment of dividends, stock purchase or redemption of shares; or
- transaction from which the director derives an improper personal benefit.

Our certificate of incorporation includes a provision providing for the limitation of liability to the maximum extent permitted under the DGCL. Expenses incurred by any officer or director in defending any proceeding in advance of its final disposition shall be paid by us upon delivery to us of an undertaking by or on behalf of such director or officer, to repay all amounts advanced if it should ultimately be determined that such director or officer is not entitled to be indemnified by us.

Section 174 of the DGCL provides, among other things, that a director, who willfully or negligently approves of an unlawful payment of dividends or an unlawful stock purchase or redemption, may be held liable for such actions. A director who was either absent when the unlawful actions were approved, or dissented at the time, may avoid liability by causing his or her dissent to such actions to be entered on the books containing minutes of the meetings of the board of directors at the time such action occurred or immediately after such absent director receives notice of the unlawful acts.

We maintain a directors' and officers' liability insurance policy. The policy insures directors and officers against unindemnified losses arising from certain wrongful acts in their capacities as directors and officers and reimburses us for those losses for which we have lawfully indemnified the directors and officers. The policy contains various exclusions.

Item 16. Exhibits.

Item 16. Exhibits and Financial Statement Schedules.

(a) Exhibits.

Exhibit Number	Exhibit Description	Incorporated by Reference (Unless Otherwise Indicated)			
		Form	File No.	Exhibit	Filing Date
4.1	Third Amended and Restated Certificate of Incorporation	8-K	001-38365	3.1	January 29, 2018
4.2	Certificate of Amendment to Third Amended and Restated Certificate of Incorporation	8-K	001-38365	3.1.1	June 14, 2018
4.3	Amended and Restated Bylaws of Eyenovia, Inc.	8-K	001-38365	3.1	March 12, 2018
4.4	Form of Class A Warrant issued on March 24, 2020	8-K	001-38365	4.1	March 25, 2020
4.5	Form of Class B Warrant issued on March 24, 2020	8-K	001-38365	4.2	March 25, 2020
10.22	Securities Purchase Agreement, dated March 23, 2020, between Eyenovia Inc. and the investors named therein	8-K	001-38365	10.22	March 25, 2020
10.23	Registration Rights Agreement, dated March 23, 2020, between Eyenovia Inc. and the investors named therein	8-K	001-38365	10.23	March 25, 2020
5.1	Opinion of Wyrick Robbins Yates & Ponton LLP	--	--	--	Filed herewith
23.1	Consent of Marcum LLP	--	--	--	Filed herewith
23.2	Consent of Wyrick Robbins Yates & Ponton LLP (included in Exhibit 5.1)	--	--	--	Filed herewith
24.1	Power of Attorney (included on signature page to the Registration Statement on Form S-3 filed on April 22, 2020)	S-3	333-237790	--	April 22, 2020

(b) Financial statement schedules.

None.

Item 17. Undertakings.

The undersigned registrant hereby undertakes:

(a)(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the SEC pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement;

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

Provided, however, that the undertakings set forth in paragraphs (1)(i), (1)(ii) and (1)(iii) above do not apply if the registration statement is on Form S-3 and the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the SEC by the registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statements or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(5) That, for the purpose of determining liability under the Securities Act to any purchaser:

(A) Each prospectus filed by a registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(B) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii) or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof. *Provided, however,* that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

(b) That, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(h) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of any registrant pursuant to the foregoing provisions, or otherwise, each registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by a registrant of expenses incurred or paid by a director, officer or controlling person of such registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, such registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

(i) That, for purposes of determining any liability under the Securities Act of 1933:

(1) the information omitted from the form of prospectus filed as part of the registration statement in reliance upon Rule 430A and contained in the form of prospectus filed by the registrant pursuant to Rule 424(b)(1) or (4) or 497(h) under the Securities Act shall be deemed to be part of the registration statement as of the time it was declared effective; and

(2) each post-effective amendment that contains a form of prospectus shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of New York, State of New York, on the 8th day of May, 2020.

EYENOVIA INC.

By: /s/ Tsoncho Ianchulev
Tsoncho Ianchulev
Chief Executive Officer

<u>Signature</u>	<u>Capacity</u>	<u>Date</u>
<u>/s/ Tsoncho Ianchulev</u> Tsoncho Ianchulev	Chief Executive Officer and Director <i>(Principal Executive Officer)</i>	May 8, 2020
* <u>John Gandolfo</u>	Chief Financial Officer <i>(Principal Financial and Accounting Officer)</i>	May 8, 2020
* <u>Fredric N. Eshelman</u>	Chairman of the Board and Director	May 8, 2020
* <u>Curt H. LaBelle</u>	Director	May 8, 2020
* <u>Kenneth B. Lee, Jr.</u>	Director	May 8, 2020
* <u>Ernest Mario</u>	Director	May 8, 2020
* <u>Charles E. Mather IV</u>	Director	May 8, 2020
* <u>Anthony Y. Sun</u>	Director	May 8, 2020
* <u>By:/s/ Tsoncho Ianchulev</u> Tsoncho Ianchulev, Attorney-in-Fact		



Wyrick Robbins Yates & Ponton LLP

ATTORNEYS AT LAW

4101 Lake Boone Trail, Suite 300, Raleigh, NC 27607

PO Drawer 17803, Raleigh, NC 27619

P: 919.781.4000 F: 919.781.4865 www.wyrick.com

May 8, 2020

Board of Directors
Eyenovia, Inc.
295 Madison Avenue, Suite 2400
New York, New York 10017

Ladies and Gentlemen:

We have acted as counsel to Eyenovia, Inc., a Delaware corporation (the "Company"), in connection with the registration statement on Form S-3/A, as filed by the Company with the U.S. Securities and Exchange Commission (the "Commission") on the date hereof (the "Registration Statement") under the Securities Act of 1933, as amended (the "Act"), covering the resale by the selling stockholders named therein of up to 6,019,447 shares of Common Stock, \$0.0001 par value per share, of the Company, consisting of 2,675,293 shares of Common Stock (the "Shares"), and 1,337,659 shares of Common Stock issuable from time to time upon exercise of Class A Warrants and 2,006,495 shares of Common Stock issuable from time to time upon exercise of Class B Warrants (together, the "Warrant Shares"), such Shares and Class A Warrants and Class B Warrants originally issued to the investors pursuant to the Securities Purchase Agreement, dated March 23, 2020, by and between the Company and the investors named therein. The Shares and Warrant Shares may be resold as set forth in the Registration Statement, any amendments thereto, together with the exhibits to the Registration Statement and the documents incorporated by reference therein and the related base prospectus which forms a part of and is included in the Registration Statement and any related prospectus supplement in the form filed with the Commission pursuant to the rules and regulations promulgated under the Act (together, the "Prospectus").

This opinion is being furnished in accordance with the requirements of Item 16 of Form S-3 and Item 601(b)(5)(i) of Regulation S-K.

In connection with the foregoing, we have relied upon, among other things, our examination of such documents, records of the Company and certificates of its officers and public officials as we deemed necessary for purposes of the opinions expressed below. In our examination, we have assumed the genuineness of all signatures, the authenticity of all documents submitted to us as originals and the conformity with the original of all documents submitted to us as copies thereof.

Based upon the foregoing, we are of the opinion that:

- (a) The Shares have been duly authorized and are validly issued, fully paid and non-assessable.
- (b) The Warrant Shares have been duly authorized and, when issued and paid for in accordance with the provisions of the Class A Warrants or Class B Warrants, as applicable, will be validly issued, fully paid and non-assessable.

This opinion is limited to the Delaware General Corporation Law, including the statutory provisions of the Delaware General Corporate Law and all applicable provisions of the Delaware Constitution and reported judicial decisions interpreting these laws. We hereby consent to the filing of this opinion with the Commission as Exhibit 5.1 to the Registration Statement and reference to our firm under the heading "Legal Matters" in the Prospectus included therein. In giving this consent, we do not admit that we are within the category of persons whose consent is required by Section 7 of the Act or the rules and regulations promulgated thereunder by the Commission.

Sincerely,

/s/ WYRICK ROBBINS YATES & PONTON LLP

INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM'S CONSENT

We consent to the incorporation by reference in this Registration Statement of Eyenovia, Inc. (the "Company") on Amendment No. 1 to Form S-3 (File No. 333-237790) of our report, which includes an explanatory paragraph as to the Company's ability to continue as a going concern, dated March 30, 2020, with respect to our audits of the financial statements of Eyenovia, Inc. as of December 31, 2019 and 2018 and for each of the two years in the period ended December 31, 2019 appearing in the Annual Report on Form 10-K of Eyenovia, Inc. for the year ended December 31, 2019. We also consent to the reference to our firm under the heading "Experts" in the Prospectus, which is part of this Registration Statement.

/s/ Marcum LLP

Marcum LLP
New York, NY
May 8, 2020
