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

SCHEDULE 13G/A
Under the Securities Exchange Act of 1934 (Amendment No. 1)*
Ocular Therapeutix, Inc.
(Name of Issuer)
Common Stock, \$0.0001 par value per share
(Title of Class of Securities)
67576A100
(CUSIP Number)
September 30, 2024
(Date of Event Which Requires Filing of this Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule is filed:
□ Rule 13d-1(b)
 ✓ Rule 13d-1(c) ☐ Rule 13d-1(d)
Rule 154 1(4)
*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.
The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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1.	Names of Reporting Persons Venrock Healthcare Capital Partners III, L.P.				
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) ⊠ (1) (b) □				
3.	SEC Use Or	ıly			
4.	Citizenship Delaware	or Plac	e of Organization		
Numb		5.	Sole Voting Power 0		
Shares Benefi Owned Each Report Person	icially	6.	Shared Voting Power 13,760,200 (2)		
	•	7.	Sole Dispositive Power 0		
	n With	8.	Shared Dispositive Power 13,760,200 (2)		
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 13,760,200 (2)				
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) □				
	Percent of Class Represented by Amount in Row (9) 8.7% (3)				
12.	Type of Reporting Person (See Instructions) PN				

- (1) Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G/A.
- (2) Consists of (i) 1,452,408 shares and 652,048 shares issuable upon the exercise of immediately exercisable warrants ("*Warrants*") held by Venrock Healthcare Capital Partners III, L.P.; (ii) 145,272 shares and 65,235 shares issuable upon the exercise of Warrants held by VHCP Co-Investment Holdings III, LLC; and (iii) 9,170,101 shares and 2,275,136 shares issuable upon the exercise of Warrants held by Venrock Healthcare Capital Partners EG, L.P.
- (3) This percentage is calculated based upon the sum of (i) 155,921,685 shares of the Issuer's Common Stock outstanding as of August 2, 2024, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission (the "SEC") on August 7, 2024; and (ii) 2,992,419 shares issuable upon the exercise of the Warrants described in Footnote 2 above.

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	Names of Reporting Persons VHCP Co-Investment Holdings III, LLC				
	Check the Appropriate Box if a Member of a Group (See Instructions) (a) ⊠ (1) (b) □				
3.	SEC Use O	nly			
1	Citizenship Delaware	or Plac	e of Organization		
Numb		5.	Sole Voting Power 0		
	icially	6.	Shared Voting Power 13,760,200 (2)		
Owne Each Repor	-	7.	Sole Dispositive Power 0		
	n With	8.	Shared Dispositive Power 13,760,200 (2)		
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 13,760,200 (2)				
10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) □			egate Amount in Row (9) Excludes Certain Shares (See Instructions)		
1	1. Percent of Class Represented by Amount in Row (9) 8.7% (3)				
1	. Type of Reporting Person (See Instructions) OO				

- (1) Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G/A.
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- (3) This percentage is calculated based upon the sum of (i) 155,921,685 shares of the Issuer's Common Stock outstanding as of August 2, 2024, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the SEC on August 7, 2024; and (ii) 2,992,419 shares issuable upon the exercise of the Warrants described in Footnote 2 above.

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1.	Names of Reporting Persons Venrock Healthcare Capital Partners EG, L.P.				
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) ⊠ (1) (b) □				
3.	SEC Use Or	nly			
	Citizenship Delaware	or Plac	e of Organization		
Number of		5.	Sole Voting Power 0		
Shares Benefic	icially	6.	Shared Voting Power 13,760,200 (2)		
Owne Each Repor	-	7.	Sole Dispositive Power 0		
		rson With	8.	Shared Dispositive Power 13,760,200 (2)	
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 13,760,200 (2)				
10.	10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) □				
	Percent of Class Represented by Amount in Row (9) 8.7% (3)				
	Type of Reporting Person (See Instructions) PN				

- (1) Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G/A.
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- (3) This percentage is calculated based upon the sum of (i) 155,921,685 shares of the Issuer's Common Stock outstanding as of August 2, 2024, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the SEC on August 7, 2024; and (ii) 2,992,419 shares issuable upon the exercise of the Warrants described in Footnote 2 above.

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1.	Names of Reporting Persons VHCP Management III, LLC				
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) ⊠ (1) (b) □				
3.	SEC Use Or	nly			
4.	Citizenship Delaware	or Plac	e of Organization		
Numb		5.	Sole Voting Power 0		
Shares Benefi Owned Each Report Person	icially	6.	Shared Voting Power 13,760,200 (2)		
	•	7.	Sole Dispositive Power 0		
	n With	8.	Shared Dispositive Power 13,760,200 (2)		
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 13,760,200 (2)				
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) □				
	Percent of Class Represented by Amount in Row (9) 8.7% (3)				
	Type of Reporting Person (See Instructions) OO				

- (1) Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G/A.
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- (3) This percentage is calculated based upon the sum of (i) 155,921,685 shares of the Issuer's Common Stock outstanding as of August 2, 2024, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the SEC on August 7, 2024; and (ii) 2,992,419 shares issuable upon the exercise of the Warrants described in Footnote 2 above.

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	Names of Reporting Persons VHCP Management EG, LLC				
	Check the Appropriate Box if a Member of a Group (See Instructions) (a) ⊠ (1) (b) □				
3.	SEC Use Or	nly			
	Citizenship Delaware	or Plac	e of Organization		
Numb		5.	Sole Voting Power 0		
	icially	6.	Shared Voting Power 13,760,200 (2)		
Owned by Each Reporting		7.	Sole Dispositive Power 0		
	n With	8.	Shared Dispositive Power 13,760,200 (2)		
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 13,760,200 (2)				
10.	0. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) □				
	Percent of Class Represented by Amount in Row (9) 8.7% (3)				
	Type of Reporting Person (See Instructions) OO				

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- (3) This percentage is calculated based upon the sum of (i) 155,921,685 shares of the Issuer's Common Stock outstanding as of August 2, 2024, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the SEC on August 7, 2024; and (ii) 2,992,419 shares issuable upon the exercise of the Warrants described in Footnote 2 above.

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	Names of Reporting Persons Shah, Nimish				
	Check the Appropriate Box if a Member of a Group (See Instructions) (a) ⊠ (1) (b) □				
3.	SEC Use Or	nly			
	Citizenship United State		e of Organization		
Number of		5.	Sole Voting Power 0		
Shares	icially	6.	Shared Voting Power 13,760,200 (2)		
Owne Each Repor	-	7.	Sole Dispositive Power 0		
	n With	8.	Shared Dispositive Power 13,760,200 (2)		
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 13,760,200 (2)				
10.	10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) □				
1	Percent of Class Represented by Amount in Row (9) 8.7% (3)				
	Type of Reporting Person (See Instructions) IN				

- (1) Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G/A.
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- (3) This percentage is calculated based upon the sum of (i) 155,921,685 shares of the Issuer's Common Stock outstanding as of August 2, 2024, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the SEC on August 7, 2024; and (ii) 2,992,419 shares issuable upon the exercise of the Warrants described in Footnote 2 above.

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	Names of Reporting Persons Koh, Bong				
	Check the Appropriate Box if a Member of a Group (See Instructions) (a) ⊠ (1) (b) □				
3.	SEC Use Or	nly			
	Citizenship United State		e of Organization		
Number of		5.	Sole Voting Power 0		
	icially	6.	Shared Voting Power 13,760,200 (2)		
Owne Each Repor	-	7.	Sole Dispositive Power 0		
	n With	8.	Shared Dispositive Power 13,760,200 (2)		
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 13,760,200 (2)				
10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) □			gate Amount in Row (9) Excludes Certain Shares (See Instructions)		
	Percent of Class Represented by Amount in Row (9) 8.7% (3)				
	Type of Reporting Person (See Instructions) IN				

- (1) Venrock Healthcare Capital Partners III, L.P., VHCP Co-Investment Holdings III, LLC, Venrock Healthcare Capital Partners EG, L.P., VHCP Management III, LLC, VHCP Management EG, LLC, Nimish Shah and Bong Koh are members of a group for the purposes of this Schedule 13G/A.
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- (3) This percentage is calculated based upon the sum of (i) 155,921,685 shares of the Issuer's Common Stock outstanding as of August 2, 2024, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the SEC on August 7, 2024; and (ii) 2,992,419 shares issuable upon the exercise of the Warrants described in Footnote 2 above.

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Introductory Note: This Schedule 13G/A is filed on behalf of Venrock Healthcare Capital Partners III, L.P., a limited partnership organized under the laws of the State of Delaware ("VHCP III LP"), VHCP Co-Investment Holdings III, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP Co-Investment III"), Venrock Healthcare Capital Partners EG, L.P., a limited partnership organized under the laws of the State of Delaware ("VHCP EG"), VHCP Management III, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP Management EG, LLC, a limited liability company organized under the laws of the State of Delaware ("VHCP Management EG") and collectively with VHCP III LP, VHCP Co-Investment III, VHCP EG and VHCP Management III, the "Venrock Entities"), Nimish Shah ("Shah") and Bong Koh ("Koh") in respect of the Common Stock of Ocular Therapeutix, Inc.

Item 1.

(a) Name of Issuer

Ocular Therapeutix, Inc.

(b) Address of Issuer's Principal Executive Offices

24 Crosby Drive, Bedford, MA 01730

Item 2.

(a) Name of Person Filing

Venrock Healthcare Capital Partners III, L.P. VHCP Co-Investment Holdings III, LLC Venrock Healthcare Capital Partners EG, L.P. VHCP Management III, LLC VHCP Management EG, LLC Nimish Shah Bong Koh

(b) Address of Principal Business Office or, if none, Residence

New York Office: Palo Alto Office:

7 Bryant Park 3340 Hillview Avenue 23rd Floor Palo Alto, CA 94304

New York, NY 10018

(c) Citizenship

All of the Venrock Entities were organized in Delaware. The individuals are both United States citizens.

(d) Title of Class of Securities

Common Stock, \$0.0001 par value

(e) CUSIP Number

67576A100

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Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

Not applicable

Item 4. Ownership

(a) Amount beneficially owned as of September 30, 2024:

Venrock Healthcare Capital Partners III, L.P.	13,760,200(1)
VHCP Co-Investment Holdings III, LLC	13,760,200(1)
Venrock Healthcare Capital Partners EG, L.P.	13,760,200(1)
VHCP Management III, LLC	13,760,200(1)
VHCP Management EG, LLC	13,760,200(1)
Nimish Shah	13,760,200(1)
Bong Koh	13,760,200(1)

(b) Percent of class as of September 30, 2024:

Venrock Healthcare Capital Partners III, L.P.	8.7%(2)
VHCP Co-Investment Holdings III, LLC	8.7%(2)
Venrock Healthcare Capital Partners EG, L.P.	8.7%(2)
VHCP Management III, LLC	8.7%(2)
VHCP Management EG, LLC	8.7%(2)
Nimish Shah	8.7%(2)
Bong Koh	8.7%(2)

- (c) Number of shares as to which the person has, as of September 30, 2024:
 - (i) Sole power to vote or to direct the vote:

Venrock Healthcare Capital Partners III, L.P.	0
VHCP Co-Investment Holdings III, LLC	0
Venrock Healthcare Capital Partners EG, L.P.	0
VHCP Management III, LLC	0
VHCP Management EG, LLC	0
Nimish Shah	0
Bong Koh	0

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(ii) Shared power to vote or to direct the vote:

Venrock Healthcare Capital Partners III, L.P.	13,760,200(1)
VHCP Co-Investment Holdings III, LLC	13,760,200(1)
Venrock Healthcare Capital Partners EG, L.P.	13,760,200(1)
VHCP Management III, LLC	13,760,200(1)
VHCP Management EG, LLC	13,760,200(1)
Nimish Shah	13,760,200(1)
Bong Koh	13,760,200(1)

(iii) Sole power to dispose or to direct the disposition of:

Venrock Healthcare Capital Partners III, L.P.	0
VHCP Co-Investment Holdings III, LLC	0
Venrock Healthcare Capital Partners EG, L.P.	0
VHCP Management III, LLC	0
VHCP Management EG, LLC	0
Nimish Shah	0
Bong Koh	0

(iv) Shared power to dispose or to direct the disposition of:

Venrock Healthcare Capital Partners III, L.P.	13,760,200(1)
VHCP Co-Investment Holdings III, LLC	13,760,200(1)
Venrock Healthcare Capital Partners EG, L.P.	13,760,200(1)
VHCP Management III, LLC	13,760,200(1)
VHCP Management EG, LLC	13,760,200(1)
Nimish Shah	13,760,200(1)
Bong Koh	13,760,200(1)

- (1) Consists of (i) 1,452,408 shares and 652,048 shares issuable upon the exercise of Warrants held by Venrock Healthcare Capital Partners III, L.P.; (ii) 145,272 shares and 65,235 shares issuable upon the exercise of Warrants held by VHCP Co-Investment Holdings III, LLC; and (iii) 9,170,101 shares and 2,275,136 shares issuable upon the exercise of Warrants held by Venrock Healthcare Capital Partners EG, L.P. VHCP Management III, LLC is the general partner of Venrock Healthcare Capital Partners III, L.P. and the manager of VHCP Co-Investment Holdings III, LLC. VHCP Management EG, LLC is the general partner of Venrock Healthcare Capital Partners EG, L.P. Messrs. Shah and Koh are the voting members of VHCP Management III, LLC and VHCP Management EG, LLC.
- (2) This percentage is calculated based upon the sum of (i) 155,921,685 shares of the Issuer's Common Stock outstanding as of August 2, 2024, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the SEC on August 7, 2024; and (ii) 2,992,419 shares issuable upon the exercise of the Warrants described in Footnote 1 above.

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Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following \Box

Item 6. Ownership of More than Five Percent on Behalf of Another Person

Not applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person

Not applicable

Item 8. Identification and Classification of Members of the Group

Not applicable

Item 9. Notice of Dissolution of Group

Not applicable

Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having such purpose or effect.

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SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: November 14, 2024

Venrock Healthcare Capital Partners III, L.P.

By: VHCP Management III, LLC

Its: General Partner

By: /s/ Sherman G. Souther

Name: Sherman G. Souther Its: Authorized Signatory

VHCP Co-Investment Holdings III, LLC

By: VHCP Management III, LLC

Its: Manager

By: /s/ Sherman G. Souther

Name: Sherman G. Souther Its: Authorized Signatory

VHCP Management III, LLC

By: /s/ Sherman G. Souther

Name: Sherman G. Souther Its: Authorized Signatory

Nimish Shah

/s/ Sherman G. Souther

Sherman G. Souther, Attorney-in-fact

Bong Koh

/s/ Sherman G. Souther

Sherman G. Souther, Attorney-in-fact

Venrock Healthcare Capital Partners EG, L.P.

By: VHCP Management EG, LLC

Its: General Partner

By: /s/ Sherman G. Souther

Name: Sherman G. Souther Its: Authorized Signatory

VHCP Management EG, LLC

By: /s/ Sherman G. Souther

Name: Sherman G. Souther Its: Authorized Signatory

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EXHIBITS

- A: Joint Filing Agreement (incorporated by reference to Exhibit A to Schedule 13G filed on December 28, 2023)
- B: Power of Attorney for Nimish Shah (incorporated by reference to Exhibit B to Schedule 13G filed December 28, 2023)

<u>C:</u> Power of Attorney for Bong Koh (incorporated by reference to Exhibit C to Schedule 13G filed on December 28, 2023)