

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>RA CAPITAL MANAGEMENT, LLC</u> (Last) (First) (Middle) <u>C/O RA CAPITAL MANAGEMENT, LLC</u> <u>20 PARK PLAZA, SUITE 1200</u> (Street) <u>BOSTON MA 02116</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Synthorx, Inc. [THOR]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>12/11/2018</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	12/11/2018		C		1,525,235 ⁽¹⁾	A	(1)	1,525,235	I	See Footnote ⁽²⁾⁽³⁾⁽⁴⁾
Common Stock	12/11/2018		C		3,653,908 ⁽¹⁾	A	(1)	5,179,143	I	See Footnote ⁽³⁾⁽⁴⁾⁽⁵⁾
Common Stock	12/11/2018		P ⁽⁶⁾		4,545,455	A	\$11	9,724,598 ⁽⁷⁾	I	See Footnote ⁽³⁾⁽⁴⁾

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Series B Preferred Stock	(1)	12/11/2018		C		2,443,794		(1)	(1)	Common Stock	1,525,235	\$0	0	I	See Footnote ⁽²⁾⁽³⁾⁽⁴⁾
Series C Preferred Stock	(1)	12/11/2018		C		5,854,439		(1)	(1)	Common Stock	3,653,908	\$0	0	I	See Footnote ⁽³⁾⁽⁴⁾⁽⁵⁾

1. Name and Address of Reporting Person* <u>RA CAPITAL MANAGEMENT, LLC</u> (Last) (First) (Middle) <u>C/O RA CAPITAL MANAGEMENT, LLC</u> <u>20 PARK PLAZA, SUITE 1200</u> (Street) <u>BOSTON MA 02116</u> (City) (State) (Zip)

1. Name and Address of Reporting Person*

[RA Capital Healthcare Fund LP](#)

(Last) (First) (Middle)

[C/O RA CAPITAL MANAGEMENT, LLC](#)
[20 PARK PLAZA, SUITE 1200](#)

(Street)

[BOSTON](#) [MA](#) [02116](#)

(City) (State) (Zip)

Explanation of Responses:

1. Automatic conversion, in connection with the Issuer's initial public offering, of preferred stock into shares of common stock on a 1.60224-to-1 basis.
2. The shares are held as follows: 1,245,659 shares held by RA Capital Healthcare Fund, L.P. (the "Fund") and 279,576 shares held by a separately managed account (the "Account").
3. RA Capital Management, LLC (the "Adviser") is the general partner of the Fund and the investment adviser for the Account and therefore may be deemed to beneficially own the reported securities for purposes of Section 13(d) of the Securities Exchange Act of 1934. Additionally, Peter Kolchinsky is a director of the Issuer and the sole manager of the Adviser.
4. The Adviser disclaims beneficial ownership of the reported securities for purposes of Rule 16a-1(a)(1) under the Exchange Act in reliance on Rule 16a-1(a)(1)(v) and therefore disclaims any obligation to report ownership of the reported securities under Section 16(a) of the Exchange Act. The filing of this Form 4 shall not be construed as an admission that the Adviser is, for purposes of Rule 16a-1(a)(1) under the Exchange Act, the beneficial owner of any of the securities reported herein. The Adviser disclaims beneficial ownership of the securities reported herein for purposes of Rule 16a-1(a)(2) under the Exchange Act except to the extent of its pecuniary interest therein.
5. The shares are held as follows: 2,941,397 shares held by the Fund and 712,511 shares held by the Account.
6. The shares were purchased at the Issuer's initial public offering.
7. These securities include 7,968,645 shares held by the Fund and 1,755,953 shares held by the Account.

[/s/ Peter Kolchinsky, Manager](#)
[of RA Capital Management, LLC](#) [12/13/2018](#)

[/s/ Peter Kolchinsky, Manager](#)
[of RA Capital Management, LLC the General Partner of RA](#)
[Capital Healthcare Fund, L.P.](#) [12/13/2018](#)

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.