

OMB APPROVAL	
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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>Kolchinsky Peter</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) <input checked="" type="checkbox"/> 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 <sup>(1)</sup>	A	(1)	1,525,235	I	See Footnote <sup>(2)(3)</sup>
Common Stock	12/11/2018		C		3,653,908 <sup>(1)</sup>	A	(1)	5,179,143	I	See Footnote <sup>(3)(4)</sup>
Common Stock	12/11/2018		P <sup>(5)</sup>		4,545,455	A	\$11	9,724,598 <sup>(6)</sup>	I	See Footnote <sup>(3)</sup>

**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					
Series B Preferred Stock	(1)	12/11/2018		C			2,443,794	(1)	(1)	Common Stock	1,525,235	0	I	See Footnote <sup>(2)(3)(4)</sup>
Series C Preferred Stock	(1)	12/11/2018		C			5,854,439	(1)	(1)	Common Stock	3,653,908	0	I	See Footnote <sup>(3)(4)(5)</sup>

**Explanation of Responses:**

- 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.
- 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").
- RA Capital Management, LLC (the "Adviser") is the general partner of the Fund and the investment adviser for the Account. Peter Kolchinsky is the sole manager of the Adviser. The Adviser is a registered investment adviser, and Dr. Kolchinsky disclaims beneficial ownership of the reported securities for purposes of Rule 16a-1(a)(1) under the Securities Exchange Act of 1934 (the "Exchange Act") in reliance on Rule 16a-1(a)(1)(vii). Dr. Kolchinsky also 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 his pecuniary interest therein.
- The shares are held as follows: 2,941,397 shares held by the Fund and 712,511 shares held by the Account.
- The shares were purchased at the Issuer's initial public offering.
- These securities include 7,968,645 shares held by the Fund and 1,755,953 shares held by the Account.

/s/ Peter Kolchinsky, 12/13/2018  
individually

\*\* 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.

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