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

SCHEDULE 13G Under the Securities Exchange Act of 1934

(Amendment No. 2)*

Ascendis Pharma A/S			
	(Name of Issuer)		
	American Depository Shares representing Ordinary Shares of Ascendis Pharma A/S		
	(Title of Class of Securities)		
	04351P101		
	(CUSIP Number)		
	June 3, 2016		
	(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)		
[X]	Rule 13d-1(c)		
[]	Rule 13d-1(d)		
	ninder 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 quent 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).

1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).					
2.			of a Group (See Instructions)			
	(a) [_]					
	(b) []					
3.	SEC Use Only					
4.	Citizenship or Pla	ce of Organization	Massachusetts			
Number of	5. Sole	Voting Power	0			
Shares Beneficially	6. Sha	red Voting Power	2,927,857			
Owned by Each Reporting Person With	7. Sole	e Dispositive Power	0			
	8. Sha	red Dispositive Power	2,927,857			
9.	Aggregate Amour 2,927,85	•	by Each Reporting Person			
	Check if the Aggr	egate Amount in Row	(9) Excludes [_]			
10.	Certain Shares (Se	ee Instructions)				
11.	Percent of Class Represented by Amount in Row (9) 11.6% ¹					
12.	Type of Reporting IA	g Person (See Instruction	ons)			

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¹ The reporting person is the beneficial owner of 2,927,857 of the Issuer's American Depository Shares ("ADSs") representing 2,927,857 of the Issuer's ordinary shares, which constitute approximately 11.6% of the Issuer's outstanding ordinary shares. The percentage calculation assumes that there are currently 25,162,873 outstanding ordinary shares of the Issuer, based on the Issuer's Form F-3 as filed with the Securities and Exchange Commission ("SEC") on May 20, 2016.

1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).					
	Peter Kolchinsky					
2.	Check the Appropriate Box if a Member of a Group (See Instructions)					
	(a) [_]					
	(b) []					
3.	SEC Use Only					
4.	Citizenship or Place of Organ	ization United States				
Number of	Sole Voting Pov	ver 0				
Shares Beneficially	6. Shared Voting	Power 2,927,857				
Owned by Each Reporting Person With	7. Sole Dispositiv	e Power 0				
	Shared Disposi	tive Power 2,927,857				
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,927,857					
	Check if the Aggregate Amou	int in Row (9) Excludes [_]				
10.	Certain Shares (See Instructions)					
11.	Percent of Class Represented $11.6\%^{1}$	by Amount in Row (9)				
12.	Type of Reporting Person (Se	ee Instructions)				

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 $[\]overline{{}^1}$ The reporting person is the beneficial owner of 2,927,857 of the Issuer's ADSs representing 2,927,857 of the Issuer's ordinary shares, which constitute approximately 11.6% of the Issuer's outstanding ordinary shares. The percentage calculation assumes that there are currently 25,162,873 outstanding ordinary shares of the Issuer, based on the Issuer's Form F-3 as filed with the SEC on May 20, 2016.

CUSIP No. 0435	51P101 13G
1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).
	RA Capital Healthcare Fund, L.P.
2.	Check the Appropriate Box if a Member of a Group (See Instructions)
	(a) []
	(b) []
3.	SEC Use Only
4.	Citizenship or Place of Organization Delaware
Number of	5. Sole Voting Power 0
Shares Beneficially	6. Shared Voting Power 2,155,159
Owned by Each Reporting Person With	7. Sole Dispositive Power 0
1 010011 771011	8. Shared Dispositive Power 2,155,159
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,155,159
	Check if the Aggregate Amount in Row (9) Excludes []
10.	Certain Shares (See Instructions)
11.	Percent of Class Represented by Amount in Row (9) 8.6% ¹
12.	Type of Reporting Person (See Instructions) PN (Limited Partnership)

 $^{^1}$ The reporting person is the beneficial owner of 2,155,159 of the Issuer's ADSs representing 2,155,159 of the Issuer's ordinary shares, which constitute approximately 8.6% of the Issuer's outstanding ordinary shares. The percentage calculation assumes that there are currently 25,162,873 outstanding ordinary shares of the Issuer, based on the Issuer's Form F-3 as filed with the SEC on May 20, 2016.

Explanatory Note

This Amendment No. 2 to the Schedule 13G originally filed on May 8, 2015 is being filed to report certain of the reporting persons' beneficial ownership of greater than 10 percent of a class of equity securities of the Issuer.

Item 1.

- (a) Name of Issuer: Ascendis Pharma A/S (the "Issuer").
- (b) Address of the Issuer's Principal Executive Offices: Tuborg Boulevard 12, DK-2900 Hellerup, Denmark.

Item 2.

- (a) Name of Person Filing: This joint statement on Schedule 13G is being filed by Peter Kolchinsky, RA Capital Management, LLC ("Capital"), and RA Capital Healthcare Fund, L.P. (the "Fund"). Mr. Kolchinsky, Capital and the Fund are collectively referred to herein as the "Reporting Persons." Capital is the general partner of the Fund and serves as investment adviser for a separately managed account (the "Account"). Mr. Kolchinsky is the manager of Capital. As the investment adviser to the Fund and the Account, Capital may be deemed a beneficial owner, for purposes of Section 13(d) of the Securities Exchange Act of 1934 (the "Act"), of any securities of the Issuer owned by the Fund or the Account. As the manager of Capital, Mr. Kolchinsky may be deemed a beneficial owner, for purposes of Section 13(d) of the Act, of any securities of the Issuer beneficially owned by Capital. Capital is a registered investment adviser within the meaning of Rule 13d-1(b)(1)(ii)(E) and Rule 16a-1(a)(v), and Mr. Kolchinsky is a parent or control person of Capital within the meaning of Rule 13d-1(b) (1)(ii)(G) and Rule 16a-1(a)(1)(vii). Capital and Mr. Kolchinsky disclaim beneficial ownership of the securities reported in this Schedule 13G Statement (the "Statement") other than for the purpose of determining their obligations under Section 13(d) of the Act, and neither the filing of the Statement nor the filing of this Amendment shall not be deemed an admission that either Capital or Mr. Kolchinsky is or was the beneficial owner of such securities for any other purpose.
- (b) Address of Principal Business Office: The principal business office of the Reporting Persons is c/o RA Capital Management, LLC, 20 Park Plaza, Suite 1200, Boston, MA 02116.
- (c) Citizenship: Capital is a Massachusetts limited liability company. The Fund is a Delaware limited partnership. Mr. Kolchinsky is a United States citizen.
- (d) Title and Class of Securities: American Depositary Shares ("ADSs") of the Issuer.
- (e) CUSIP Number: 04351P101

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: See the response(s) to Item 9 on the attached cover page(s).
- (b) Percent of Class: See the response(s) to Item 11 on the attached cover page(s).
- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote: See the response(s) to Item 5 on the attached cover page(s).
 - (ii) shared power to vote or to direct the vote See the response(s) to Item 6 on the attached cover page(s).
 - (iii) sole power to dispose or to direct the disposition of See the response(s) to Item 7 on the attached cover page(s).
 - (iv) shared power to dispose or to direct the disposition of See the response(s) to Item 8 on the attached cover page(s).

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

Not applicable.

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 hereby 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 that purpose or effect.

Exhibits

Joint Filing Agreement by and among the Reporting Persons is incorporated herein by reference to Exhibit 1 to the Schedule 13G filed by the Reporting Persons with the Securities and Exchange Commission on May 8, 2015.

SIGNATURE

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

DATE: June 7, 2016

RA CAPITAL MANAGEMENT, LLC

By: /s/ Rajeev Shah

Rajeev Shah Authorized Signatory

PETER KOLCHINSKY

/s/ Peter Kolchinsky

RA CAPITAL HEALTHCARE FUND, L.P.

By: RA Capital Management, LLC Its: General Partner

By: /s/ Rajeev Shah

Rajeev Shah Authorized Signatory