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UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (AMENDMENT NO__)*

Restoration Robotics

(Name of Issuer)

Common Stock (Title of Class of Securities)

76133C 10 3 (CUSIP Number)

December 31, 2017 (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)

* 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).

o. 76133C	10 3	130	Ĵ	Page 2 of 13 Pages
NAME (OF I	REPORTING PERSONS		
InterWes	t Pa	rtners IX. LP		
			ES ONLY)	
		, –		
SEC US	ЕΟ	NLY		
CITIZEN	NSE	IP OR PLACE OF ORGANIZATION		
Californi	ia			
1	5	SOLE VOTING POWER		
		3.355.786		
	6	SHARED VOTING POWER		
_	,	0		
	7			
		3,355,786		
	8	SHARED DISPOSITIVE POWER		
		0		
AGGRE	GA	E AMOUNT BENEFICIALLY OWNED BY EACH RE	PORTING PERSON	
3.355.78	6			
CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:				
_	VT (DF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
11.00/(1)				
	InterWes I.R.S. ID CHECK (a) SEC US: CITIZEN Californi MBER OF HARES EFICIALLY NED BY CORTING ERSON WITH AGGRE 3,355,78 CHECK PERCEN 11.6% (1	InterWest Par I.R.S. IDENT CHECK THI (a)	NAME OF REPORTING PERSONS InterWest Partners IX, LP I.R.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIFICATION TO PERSON IF A MEMBER OF A GROUP (a)	InterWest Partners IX, LP LR.S. IDENTIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)

(1) Based upon 28,930,095 shares of the Issuer's Common Stock outstanding as of October 31, 2017, as reported in the Issuer's Form 10-Q filed with the Securities and Exchange Commission (the "SEC") on November 21, 2017.

PN

Page 2 of 13 Pages

Cusip No	. 76133C 1			Page 3 of 13 Pages		
1	NAME OF REPORTING PERSONS					
	InterWest	M	anagement Partners IX, LLC (the General Partner of InterWest Partners IX, LP)			
			TIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)			
2	CHECK (a) □		E APPROPRIATE BOX IF A MEMBER OF A GROUP b) □			
3	SEC USE	E O	NLY			
4	CITIZEN	SH	IIP OR PLACE OF ORGANIZATION			
	Californi					
		5	SOLE VOTING POWER			
	DED OF		3,355,786			
	BER OF ARES	6	SHARED VOTING POWER			
	FICIALLY NED BY		0			
	ORTING	7	SOLE DISPOSITIVE POWER			
	PERSON WITH 3,355,78		3,355,786			
	, , , , , ,	8	SHARED DISPOSITIVE POWER			
9	AGGREO	GΑ	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	3,355,786					
10	CHECK	ВО	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:			
	П					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					

(1) Based upon 28,930,095 shares of the Issuer's Common Stock outstanding as of October 31, 2017, as reported in the Issuer's Form 10-Q filed with the Securities and Exchange Commission (the "SEC") on November 21, 2017.

11.6% (1)

00

TYPE OF REPORTING PERSON

12

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Cusip No	. 76133C 1	.0 3		13G	Page 4 of 13 Page
1	Philip T.	Gia	EPORTING PERSONS nos (a Managing Director of InterWe TFICATION NO(S). OF ABOVE PI	•	
2	CHECK (a) □	THI (t	APPROPRIATE BOX IF A MEMI D □		
3	SEC USE	[O	ILY		
4	CITIZEN United St		P OR PLACE OF ORGANIZATIO	N	
SH BENER OWN REPO	BER OF ARES FICIALLY IED BY ORTING RSON VITH	5678	SOLE VOTING POWER 0 SHARED VOTING POWER 3,355,786 SOLE DISPOSITIVE POWER 0 SHARED DISPOSITIVE POWER 3,355,786		
9	AGGRE0		E AMOUNT BENEFICIALLY OW	NED BY EACH REPORTING PERSON	
10			IF THE AGGREGATE AMOUNT	Γ IN ROW (9) EXCLUDES CERTAIN SHARES:	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Philip T. Gianos that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

11.6%

IN

TYPE OF REPORTING PERSON

12

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Cusip No	. 76133C 1	.0 3	13G	Page 5 of 13 Pages	
1	NAME C	F F	REPORTING PERSONS		
	W. Stepho	en I	Holmes III (a Managing Director of InterWest Management Partners IX, LLC)		
			ΓΙFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)		
2	CHECK (a) □		E APPROPRIATE BOX IF A MEMBER OF A GROUP \Box		
3	SEC USE	E O1	NLY		
4			IP OR PLACE OF ORGANIZATION		
	United St				
NI IM	BER OF	5	SOLE VOTING POWER 0		
SH BENEI	ARES FICIALLY VED BY	6	SHARED VOTING POWER 3,355,786		
REPO PEI	ORTING RSON VITH	7	SOLE DISPOSITIVE POWER 0		
		8	SHARED DISPOSITIVE POWER 3,355,786		
9	AGGREC	GA7	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	3,355,786				
10	CHECK	ВО	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by W. Stephen Holmes III that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

11.6%

IN

TYPE OF REPORTING PERSON

12

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Cusip No. 76133C 10 3 13G			Page 6 of 13 Page				
1	NAME OF REPORTING PERSONS						
	Gilbert H. Kliman (a Managing Director of InterWest Management Partners IX, LLC)						
			TIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)				
2	CHECK (a) □	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) \Box (b) \Box					
3	SEC USI	Ε Ο	NLY				
4	CITIZEN	ISH	IP OR PLACE OF ORGANIZATION				
	United S	tate					
5 SOLE VOTING POWER							
			0				
_	BER OF ARES	6	SHARED VOTING POWER				
BENEI	FICIALLY NED BY		3,355,786				
	ORTING	7	SOLE DISPOSITIVE POWER				
	RSON /ITH		0				
, v	/1111	8	SHARED DISPOSITIVE POWER				
	3,355,786						
9	AGGRE	GΑ	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	3,355,786						
10	CHECK	во	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:				
11	PERCEN	T (OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Gilbert H. Kliman that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

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IN

TYPE OF REPORTING PERSON

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Cusip No. 76133C 10 3 13G			Page 7 of 13 Pages	
1	NAME ()F I	REPORTING PERSONS	
	Khaled A	1. N	asr (a Venture Member of InterWest Management Partners IX, LLC)	
	I.R.S. ID	EN	TIFICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY)	
2	CHECK (a) □		E APPROPRIATE BOX IF A MEMBER OF A GROUP b) □	
3	SEC US	ЕΟ	NLY	
4	CITIZEN	ISF	IIP OR PLACE OF ORGANIZATION	
	United S	tate	S	
		5	SOLE VOTING POWER	
			0	
	IBER OF	6	SHARED VOTING POWER	
	FICIALLY NED BY		3,355,786	
REP	ORTING	7	SOLE DISPOSITIVE POWER	
	ERSON WITH		0	
		8	SHARED DISPOSITIVE POWER	
			3,355,786	
9	AGGRE	GA	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	3,355,78			
10	CHECK	ВО	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:	
11	PERCEN	IT (OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	11.6%			

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Khaled A. Nasr that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

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IN

TYPE OF REPORTING PERSON

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Cusip No	. 76133C 1	0 3	13G	Page 8 of 13 Page
2	Arnold L.	Orons ENTIF	ORTING PERSONS ky (a Managing Director of InterWest Management Partners IX, LLC) ICATION NO(S). OF ABOVE PERSON(S) (ENTITIES ONLY) PPROPRIATE BOX IF A MEMBER OF A GROUP	
3	SEC USE	ONL	,	
4	CITIZENSHIP OR PLACE OF ORGANIZATION United States			
SH BENEI OWN REPO	BER OF ARES FICIALLY NED BY - ORTING RSON /ITH	0 6 SH 3,; 7 SO 0 8 SH	DLE VOTING POWER HARED VOTING POWER B55,786 DLE DISPOSITIVE POWER HARED DISPOSITIVE POWER B55,786	
9	AGGREC 3,355,786		AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10			F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			

Neither the filing of this statement on Schedule 13G nor any of its contents shall be deemed to constitute an admission by Arnold L. Oronsky that he is the beneficial owner of any of the Common Stock referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of his pecuniary interest.

11.6%

IN

TYPE OF REPORTING PERSON

12

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ITEM 1.

(a) NAME OF ISSUER: Restoration Robotics, Inc.

(b) ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICE:

128 Baytech Drive, San Jose, CA 95134

ITEM 2.

(a) NAME OF PERSON(S) FILING:

InterWest Partners IX, LP ("IWP IX")
InterWest Management Partners IX, LLC ("IMP IX")
Philip T. Gianos ("Gianos")
W. Stephen Holmes III ("Holmes")
Gilbert H. Kliman ("Kliman")
Khaled A. Nasr ("Nasr")
Arnold L. Oronsky ("Oronsky")

(b) ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:

2710 Sand Hill Road, Suite 200, Menlo Park, CA 94025

(c) CITIZENSHIP/PLACE OF ORGANIZATION:

IWP IX:CaliforniaIMP IX:CaliforniaGianos:United StatesHolmes:United StatesKliman:United StatesNasr:United StatesOronsky:United States

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- (d) TITLE OF CLASS OF SECURITIES: Common Stock
- (e) CUSIP NUMBER: 76133C 10 3

ITEM 3. NOT APPLICABLE.

ITEM 4. OWNERSHIP.

	IWP IX	IMP IX (1)	Gianos (2)
Beneficial Ownership	3,355,786	3,355,786	3,355,786
Percentage of Class	11.6% (3)	11.6% (3)	11.6% (3)
Sole Voting Power	3,355,786	3,355,786	0
Shared Voting Power	0	0	3,355,786
Sole Dispositive Power	3,355,786	3,355,786	0
Shared Dispositive Power	0	0	3,355,786

	Holmes (2)	Kliman (2)	Nasr (2)
Beneficial Ownership	Holmes (2) 3,355,786	3,355,786	Nasr (2) 3,355,786
Beneficial Ownership Percentage of Class			
•	3,355,786	3,355,786	3,355,786
Percentage of Class	3,355,786 11.6% (3)	3,355,786 11.6% (3)	3,355,786 11.6% (3)
Percentage of Class Sole Voting Power	3,355,786 11.6% (3) 0	3,355,786 11.6% (3) 0	3,355,786 11.6% (3) 0

	Oronsky (2)
Beneficial Ownership	3,355,786
Percentage of Class	11.6% (3)
Sole Voting Power	0
Shared Voting Power	3,355,786
Sole Dispositive Power	0
Shared Dispositive Power	3,355,786

- (1) IMP IX is the general partner of IWP IX.
- Gianos, Holmes, Kliman and Oronsky are Managing Directors of IMP IX. Nasr is a Venture Member of IMP IX. The Managing Directors and Venture Member of IMP IX share voting and investment control over shares held by IWP IX. Beneficial ownership is expressly disclaimed, except to the extent of their pecuniary interest.
- (3) Based upon 28,930,095 shares of the Issuer's Common Stock outstanding as of October 31, 2017, as reported in the Issuer's Form 10-Q filed with the Securities and Exchange Commission (the "SEC") on November 21, 2017.

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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.

Under certain circumstances set forth in the limited liability company operating agreement of IMP IX, the members of such limited liability company have the right to receive dividends from, or the proceeds from the sale of, the common stock of Issuer beneficially owned by such limited liability company.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY.

Not applicable.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

No reporting person is a member of a group as defined in section 240.13d-1(b)(1)(iii)(H) of the Act.

ITEM 9. NOTICE OF DISSOLUTION OF THE GROUP.

Not applicable.

ITEM 10. CERTIFICATION.

Not applicable.

EXHIBITS

Joint Filing Statement attached as Exhibit A.

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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.

Date: February 14, 2018

INTERWEST PARTNERS IX, LP

By: InterWest Management Partners IX, LLC, its General Partner

By: /s/ Gilbert H. Kliman

Managing Director

INTERWEST MANAGEMENT PARTNERS IX, LLC

By: /s/ Gilbert H. Kliman

Managing Director

By: /s/ Philip T. Gianos

Name: Philip T. Gianos

By: /s/ W. Stephen Holmes by Karen A. Wilson, Power of Attorney

Name: W. Stephen Holmes

By: /s/ Gilbert H. Kliman

Name: Gilbert H. Kliman

By: /s/ Khaled A. Nasr

Name: Khaled A. Nasr

By: /s/ Arnold L. Oronsky

Name: Arnold L. Oronsky

EXHIBIT A

Joint Filing Statement

We, the undersigned, hereby express our agreement that the attached Schedule 13G is filed on behalf of each of us.

Date: February 14, 2018

INTERWEST PARTNERS IX, LP

By: InterWest Management Partners IX, LLC, its General Partner

By: /s/ Gilbert H. Kliman

Managing Director

INTERWEST MANAGEMENT PARTNERS IX, LLC

By: /s/ Gilbert H. Kliman

Managing Director

By: /s/ Philip T. Gianos

Name: Philip T. Gianos

By: /s/ W. Stephen Holmes by Karen A. Wilson, Power of Attorney

Name: W. Stephen Holmes

By: /s/ Gilbert H. Kliman

Name: Gilbert H. Kliman

By: /s/ Khaled A. Nasr

Name: Khaled A. Nasr

By: /s/ Arnold L. Oronsky

Name: Arnold L. Oronsky

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