REPLIDYNE INC Form 4/A July 06, 2006

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * HEALTHCARE VENTURES VI LP

2. Issuer Name and Ticker or Trading Symbol

Issuer

(Check all applicable)

5. Relationship of Reporting Person(s) to

(Last)

(First)

(Middle)

3. Date of Earliest Transaction

REPLIDYNE INC [RDYN]

(Month/Day/Year)

07/03/2006

Director 10% Owner Other (specify Officer (give title

HEALTHCARE VENTURES LLC, 44 NASSAU STREET

(Street)

4. If Amendment, Date Original

Filed(Month/Day/Year)

3.

C

07/05/2006

6. Individual or Joint/Group Filing(Check

Applicable Line)

Form filed by One Reporting Person X Form filed by More than One Reporting

(I)

below)

PRINCETON, NJ 08542

(City) (State) (Zip)

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

1.Title of Security (Instr. 3)

Common

Stock

2. Transaction Date 2A. Deemed (Month/Day/Year)

07/03/2006

Execution Date, if any (Month/Day/Year)

Transaction Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

4. Securities Acquired (A) 5. Amount of Securities Beneficially Owned

7. Nature of Ownership Indirect Form: Direct (D) or Indirect

Beneficial Ownership (Instr. 4)

(A) or Code V (D) Amount

3,166,863

Transaction(s) (Instr. 4)

3,612,362 ⁽²⁾ I ⁽³⁾

(Instr. 3 and 4)

Following

Reported

Price

(1)

and Direct

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

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SEC 1474 (9-02)

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

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1. Title of	2.	3. Transaction Date		4.	5. Number of	6. Date Exer		7. Title and A	
Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transaction Code (Instr. 8)	orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Expiration Date (Month/Day/Year)		Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount Number Shares
Series A Convertible Preferred	\$ 0 (4)	07/03/2006		C	8,250,300	<u>(4)</u>	<u>(4)</u>	Common Stock	8,250, (4)
Series C Convertible Preferred	\$ 0 (5)	07/03/2006		C	7,280,001	<u>(5)</u>	(5)	Common Stock	7,280, (5)

Reporting Owners

Reporting Owner Name / Address	Relationships				
reporting of more remainly remained	Director	10% Owner	Officer	Other	
HEALTHCARE VENTURES VI LP HEALTHCARE VENTURES LLC 44 NASSAU STREET PRINCETON, NJ 08542		X			
HEALTHCARE PARTNERS VI LP HEALTHCARE VENTURES LLC 44 NASSAU STREET PRINCETON, NJ 08542		X			
CAVANAUGH JAMES H HEALTHCARE VENTURES LLC 44 NASSAU STREET PRINCETON, NJ 08542		X			
LITTLECHILD JOHN W 55 CAMBRIDGE PARKWAY SUITE 301 CAMBRIDGE, MA 02142		X			
WERNER HAROLD R HEALTHCARE VENTURES LLC 44 NASSAU STREET PRINCETON, NJ 08542		X			
Mirabelli Christopher 55 CAMBRIDGE PARKWAY SUITE 301 CAMBRIDGE, MA 02142		X			
AGUIAR ERIC HEALTHCARE VENTURES LLC		X			

Reporting Owners 2

44 NASSAU STREET PRINCETON, NJ 08542

CROUSE WILLIAM W HEALTHCARE VENTURES LLC 44 NASSAU STREET PRINCETON, NJ 08542

X

Signatures

/s/Jeffrey Steinberg, Administrative Partner, HealthCare Ventures VI, L.P.	07/05/2006					
**Signature of Reporting Person	Date					
/s/Jeffrey Steinberg, Administrative Partner for HealthCare Partners VI, L.P.						
**Signature of Reporting Person	Date					
/s/Jeffrey Steinberg, Attorney-in-Fact for James H. Cavanaugh	07/05/2006					
**Signature of Reporting Person	Date					
/s/Jeffrey Steinberg, Attorney-in-Fact for John Littlechild	07/05/2006					
**Signature of Reporting Person	Date					
/s/Jeffrey Steinberg, Attorney-in-Fact for Harold Werner	07/05/2006					
**Signature of Reporting Person	Date					
/s/Jeffrey Steinberg, Attorney-in-Fact for Christopher Mirabelli						
**Signature of Reporting Person	Date					
/s/Jeffrey Steinberg, Attorney-in-Fact for Eric Aguiar	07/05/2006					
**Signature of Reporting Person	Date					
/s/Jeffrey Steinberg, Attorney-in-Fact for William Crouse	07/05/2006					
**Signature of Reporting Person	Date					

Explanation of Responses:

- * 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).
- (1) Not Applicable
- (2) Includes 445,499 shares of the Issuer's common stock issued to HealthCare Ventures VI, L.P. ("HCVVI") in satisfaction of accumulated dividends on the Reporting Person's Series A and Series C Convertible Preferred Stock.
 - These securities are owned by HCVVI. These securities are indirectly beneficially owned by HealthCare Partners VI, L.P. ("HCPVI"), the General Partner of HCVVI, and each of James Cavanaugh, Harold Werner, John Littlechild, Christopher Mirabelli, Augustine Lawlor,
- (3) William Crouse and Eric Aguiar, the general partners of HCPVI. Drs. Cavanaugh, Mirabelli and Aguiar and Messrs. Werner, Littlechild, Crouse and Lawlor disclaim beneficial ownership of those securities in which they do not have a pecuniary interest and this report shall not be deemed an admission that they are the beneficial owners of these securities for purposes of Section 16 except to the extent of their pecuniary interest therein.

Signatures 3

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- These securities automatically converted into 1,682,361 shares of the Issuer's Common Stock on July 3, 2006, the closing of the initial public offering of the Issuer. The conversion of the Series A Convertible Preferred Stock gives effect to the Issuer's 1 for 4.904 reverse stock split.
- These securities automatically converted into 1,484,502 shares of the Issuer's Common Stock on July 3, 2006, the closing of the initial public offering of the Issuer. The conversion of the Series C Convertible Preferred Stock gives effect to the Issuer's 1 for 4.904 reverse stock split.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.