MEDICINES CO /DE Form 4/A July 13, 2016

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

Number: 3235-0287

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Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

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

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Shigeta Hiroaki			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
			MEDICINES CO /DE [MDCO]	(Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction			
			(Month/Day/Year)	X Director 10% Owner		
8 SYLVAN WAY			06/13/2016	Officer (give title below) Other (specify below)		
((Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
			Filed(Month/Day/Year)	Applicable Line)		
			06/20/2016	_X_ Form filed by One Reporting Person		
PARSIPPANY, NJ 07054				Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Tabla I - Non-Darivativa Sacurities Aca	uired Disposed of or Reneficially Owns		

(Chij)	(State)	Tabl	e I - Non-L	Derivative 1	Securi	ties Acqu	ured, Disposed of	, or Beneficiall	y Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securit	ies Ac	quired	5. Amount of	6.	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	on(A) or Di	sposed	of (D)	Securities	Ownership	Indirect
(Instr. 3)		any	Code	(Instr. 3,	4 and 5	5)	Beneficially	Form: Direct	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned	(D) or	Ownership
							Following	Indirect (I)	(Instr. 4)
							Reported	(Instr. 4)	
					(A)		Transaction(s)		
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock	06/13/2016	06/16/2016(1)	M	20,000 (2)	A	\$ 26.2	47,396	D	
Common Stock	06/13/2016	06/16/2016(1)	S	20,000 (2)	D	\$ 36.76	27,396	D	

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 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 orDerivative 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 Underlying Securition (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Stock Option (right-to-buy)	\$ 26.2	06/13/2016	06/16/2016 <u>(1)</u>	M	20,000	(3)	04/09/2017	Common Stock	20,0

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 6	Director	10% Owner	Officer	Other			
Shigeta Hiroaki							
8 SYLVAN WAY	X						
PARSIPPANY, NJ 07054							

Signatures

/s/ Stephen M. Rodin, Attorney-in-Fact for Hiroaki Shigeta 07/13/2016

**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) On June 20, 2016, the reporting person filed a Form 4 that inadvertently did not include the deemed execution date of the transactions reported. This Form 4 corrects that error.
- (2) Stock option exercise and sales were effected pursuant to a Rule 10b5-1 program adopted by the reporting person.
- (3) This option was vested in thirty-six equal installments beginning on May 9, 2007.
- (4) Not applicable.

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.

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