

VARIAN MEDICAL SYSTEMS INC  
 Form 4  
 September 23, 2008

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

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 OF SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**WILSON DOW R**

2. Issuer Name and Ticker or Trading Symbol  
**VARIAN MEDICAL SYSTEMS INC [VAR]**

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)  
 Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 EVP and Pres. Oncology Sys.

(Last) (First) (Middle)  
**C/O VARIAN MEDICAL SYSTEMS, INC., 3100 HANSEN WAY, M/S E-327**  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
**09/22/2008**

**PALO ALTO, CA 94304**  
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**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		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	09/22/2008		M		3,500	A	\$ 40.57	59,395	D	
Common Stock	09/22/2008		S(1)		1,027	D	\$ 60.95	58,368	D	
Common Stock	09/22/2008		S(1)		500	D	\$ 61.8502	57,868	D	
Common Stock	09/22/2008		S(1)		500	D	\$ 61.8802	57,368	D	
	09/22/2008		S(1)		500	D		56,868	D	

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Common Stock					\$	61.9402	
Common Stock	09/22/2008	S <sup>(1)</sup>	500	D	\$ 61.995	56,368	D
Common Stock	09/22/2008	S <sup>(1)</sup>	100	D	\$ 62.23	56,268	D
Common Stock	09/22/2008	S <sup>(1)</sup>	100	D	\$ 62.2302	56,168	D
Common Stock	09/22/2008	S <sup>(1)</sup>	100	D	\$ 62.24	56,068	D
Common Stock	09/22/2008	S <sup>(1)</sup>	4	D	\$ 62.2602	56,064	D
Common Stock	09/22/2008	S <sup>(1)</sup>	196	D	\$ 62.27	55,868	D
Common Stock	09/22/2008	S <sup>(1)</sup>	400	D	\$ 62.28	55,468	D
Common Stock	09/22/2008	S <sup>(1)</sup>	100	D	\$ 62.2802	55,368	D
Common Stock	09/22/2008	S <sup>(1)</sup>	500	D	\$ 62.3802	54,868	D
Common Stock	09/22/2008	S <sup>(1)</sup>	500	D	\$ 62.535	54,368	D

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

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(9-02)

**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 Underlying Securities (Instr. 3 and 4)
	\$ 40.57	09/22/2008		M	3,500	(2) 01/10/2015	Amount or Number of Shares 3,500

Non-qualified  
Stock Option  
(Right to Buy)

Common  
Stock

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
WILSON DOW R C/O VARIAN MEDICAL SYSTEMS, INC. 3100 HANSEN WAY, M/S E-327 PALO ALTO, CA 94304				EVP and Pres. Oncology Sys.

## Signatures

/s/ Franco N. Palomba, Attorney in Fact for Dow R.  
Wilson

09/23/2008

\_\_\_\_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) This transaction is pursuant to the filer's SEC Rule 10b5-1 Stock Plan
- (2) Stock option granted under the Varian Medical Systems, Inc. Omnibus Stock Plan, which complies with Rule 16b-3. The option vests as follows: one third on 01/10/06, and the remaining shares in 24 installments over the 24 months following the first vesting date.

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.