

HOWE LESLEY H
Form 4
May 21, 2007

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 *
HOWE LESLEY H

2. Issuer Name and Ticker or Trading Symbol
NUVASIVE INC [NUVA]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
4545 TOWNE CENTRE COURT

(Street)

3. Date of Earliest Transaction (Month/Day/Year)
05/17/2007

Director 10% Owner
 Officer (give title below) Other (specify below)

SAN DIEGO, CA 92121

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

(City) (State) (Zip)

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. 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 Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock	05/17/2007		M	5,000 A	\$ 10.75	8,000	D
Common Stock ⁽¹⁾	05/17/2007		S	5,000 D	\$ 25.42	3,000	D
Common Stock	05/17/2007		M	6,000 A	\$ 10.08	9,000	D
Common Stock ⁽³⁾	05/17/2007		S	5,500 D	\$ 25.42	3,500	D
Common Stock ⁽³⁾	05/17/2007		S	500 D	\$ 25.46	3,000	D

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The option is immediately exercisable, but shares purchased upon exercise of such option are subject to repurchase by the Issuer at the option exercise price in the event the Reporting Person's services to the Issuer terminate prior to the date the shares vest. The total shares subject to the option vest monthly over four years starting from the grant date of February 26, 2004.

(3) The shares sold were acquired contemporaneously upon the cashless exercise of a stock option at an exercise price of \$10.08 per share.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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