Giffin David Form 4 February 17, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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

obligations

may continue.

Check this box

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).

(City)

(State)

(Zip)

(Print or Type Responses)

| 1. Name and Address of Reporting Person * Giffin David | | | 2. Issuer Name and Ticker or Trading Symbol Stereotaxis, Inc. [STXS] | 5. Relationship of Reporting Person(s) to Issuer | | | |
|---|---------|----------|--|--|--|--|--|
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction | (Check all applicable) | | | |
| C/O STEREOTAXIS, INC., 4320 FOREST PARK AVENUE, SUITE 100 | | | (Month/Day/Year) 02/15/2011 | Director 10% OwnerX_ Officer (give title Other (specify below) VP, Human Resources | | | |
| (Street) | | | 4. If Amendment, Date Original | 6. Individual or Joint/Group Filing(Check | | | |
| ST. LOUIS, MO 63108 | | | Filed(Month/Day/Year) | Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person | | | |

| (5) | () | Table 1 - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned | | | | | | | | | |
|------------|---------------------|--|------------|--------------|---------|----------|------------------|--------------|--------------|--|--|
| 1.Title of | 2. Transaction Date | 2A. Deemed | 3. | 4. Securit | ies Ac | quired | 5. Amount of | 6. Ownership | 7. Nature of | | |
| Security | (Month/Day/Year) | Execution Date, if | Transactio | on(A) or Dis | sposed | of | Securities | Form: Direct | Indirect | | |
| (Instr. 3) | | any | Code | (D) | | | Beneficially | (D) or | Beneficial | | |
| | | (Month/Day/Year) | (Instr. 8) | (Instr. 3, 4 | 4 and 5 | 5) | Owned | Indirect (I) | Ownership | | |
| | | | | | | | Following | (Instr. 4) | (Instr. 4) | | |
| | | | | | (4) | | Reported | | | | |
| | | | | | (A) | | Transaction(s) | | | | |
| | | | C-J- V | A 4 | or | Price | (Instr. 3 and 4) | | | | |
| | | | Code V | Amount | (D) | Price | | | | | |
| Common | 02/15/2011 | | A | 16,200 | Α | (1) | 35,246 | D | | | |
| Stock | 02/13/2011 | | 2.1 | (1) | | <u> </u> | 55,210 | D | | | |

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

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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. Transacti Code (Instr. 8) | 5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amo Underlying Secu (Instr. 3 and 4) | |
|---|---|---|---|---------------------------------------|--|--|--------------------|---|----------------------|
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title | Ar or Nu of |
| Stock Appreciation Right | \$ 3.52 | 02/15/2011 | | A | 63,000 | 02/15/2012(2) | 02/15/2021 | Common Stock | 63 |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Giffin David C/O STEREOTAXIS, INC. 4320 FOREST PARK AVENUE, SUITE 100 ST. LOUIS, MO 63108

VP, Human Resources

Signatures

/s/ David Giffin 02/17/2011

**Signature of 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) Grant to reporting person of shares of restricted stock having a fair market value of \$3.52 per share on the date of grant. The shares are subject to forfeiture if certain performance criteria are not achieved over time.
- (2) The stock appreciation rights vest as follows: (1) 25% vest one year after the date of grant, and (2) the remaining 75% vest ratably per month over the next three years.
- (3) Price is not applicable to acquisitions resulting from grants of stock appreciation rights.

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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