

| 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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

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|---|---|--|
| 1. Name and Address of Reporting Person* <u>Murphy A Brett</u> (Last) (First) (Middle) VALLEY FORGE BUSINESS CENTER 2560 GENERAL ARMISTEAD AVENUE (Street) AUDUBON PA 19403 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>GLOBUS MEDICAL INC [GMED]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Executive VP, US Sales</u> |
| | 3. Date of Earliest Transaction (Month/Day/Year) <u>01/24/2013</u> | |
| 4. If Amendment, Date of Original Filed (Month/Day/Year) | | |

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 (Instr. 8) | | 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 | | | |
| Class A Common Stock | | | | | | | 152,320 | D | | |

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 Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) | |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|--|--|---|--|-------|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | | | | | | Title |
| Stock Option (Right to Buy Class A Common Stock) | \$13.04 | 01/24/2013 | | A | | 25,000 | | (1) | 01/24/2023 | Class A Common Stock | 25,000 | \$0.00 | 25,000 | D | |
| Stock Option (Right to Buy Class A Common Stock) | \$2.93 | | | | | | | (2) | 11/01/2016 | Class A Common Stock | 107,692 | | 107,692 | D | |
| Stock Option (Right to Buy Class A Common Stock) | \$4.88 | | | | | | | (3) | 08/06/2019 | Class A Common Stock | 9,230 | | 9,230 | D | |
| Stock Option (Right to Buy Class A Common Stock) | \$11.87 | | | | | | | (4) | 06/16/2020 | Class A Common Stock | 9,230 | | 9,230 | D | |

**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 Securities Underlying Derivative Security (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|----------------------------|--|--|---|--|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |
| Stock Option (Right to Buy Class A Common Stock) | \$11.28 | | | | | | | (5) | 04/20/2021 | Class A Common Stock | 15,384 | | 15,384 | D | |
| Stock Option (Right to Buy Class A Common Stock) | \$10.66 | | | | | | | (6) | 10/27/2021 | Class A Common Stock | 12,307 | | 12,307 | D | |
| Stock Option (Right to Buy Class A Common Stock) | \$15.34 | | | | | | | (7) | 08/29/2022 | Class A Common Stock | 10,000 | | 10,000 | D | |

Explanation of Responses:

- These options were granted on January 24, 2013, and vest over a four-year period with one-fourth (1/4) of the options granted vesting on January 1, 2014, the first anniversary of the vesting commencement date, and the balance of the options granted vesting ratably on a monthly basis over the following 36 months.
- These options were granted on November 1, 2006, and vested over a four-year period with one-fourth (1/4) of the options granted vesting on November 1, 2007, the first anniversary of the vesting commencement date, and the balance of the options granted vesting ratably on a monthly basis over the following 36 months.
- These options were granted on August 6, 2009, and vested over a four-year period with one-fourth (1/4) of the options granted vesting on January 1, 2010, the first anniversary of the vesting commencement date, and the balance of the options granted vesting ratably on a monthly basis over the following 36 months.
- These options were granted on June 16, 2010, and vest over a four-year period with one-fourth (1/4) of the options granted vesting on January 1, 2011, the first anniversary of the vesting commencement date, and the balance of the options granted vesting ratably on a monthly basis over the following 36 months.
- These options were granted on April 20, 2011, and vest over a four-year period with one-fourth (1/4) of the options granted vesting on February 8, 2012, the first anniversary of the vesting commencement date, and the balance of the options granted vesting ratably on a monthly basis over the following 36 months.
- These options were granted on October 27, 2011, and vest over a four-year period with one-fourth (1/4) of the options granted vesting on January 1, 2012, the first anniversary of the vesting commencement date, and the balance of the options granted vesting ratably on a monthly basis over the following 36 months.
- These options were granted on August 29, 2012, and vest over a four-year period with one-fourth (1/4) of the options granted vesting on January 1, 2013, the first anniversary of the vesting commencement date, and the balance of the options granted vesting ratably on a monthly basis over the following 36 months.

Remarks:

/s/ David P. Creekman, 01/28/2013
Attorney-in-Fact

** Signature of Reporting Person Date

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

* 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).

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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