

BOSTON SCIENTIFIC CORP  
 Form 3/A  
 May 17, 2006

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

OMB Number: 3235-0104  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

**INITIAL STATEMENT OF 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 * |         |          | 2. Date of Event Requiring Statement | 3. Issuer Name <b>and</b> Ticker or Trading Symbol                         |  |
| Â MCCONNELL WILLIAM F JR                  |         |          | (Month/Day/Year)                     | BOSTON SCIENTIFIC CORP [(BSX)]   |  |
| (Last)                                    | (First) | (Middle) |                                      | 4. Relationship of Reporting Person(s) to Issuer                           | 5. If Amendment, Date Original Filed(Month/Day/Year)                   |
| ONE BOSTON SCIENTIFIC PLACE               |         |          |                                      | (Check all applicable)   | 05/10/2006   |
| (Street)                                  |         |          |                                      | <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner       | 6. Individual or Joint/Group Filing(Check Applicable Line)             |
| NATICK,Â MAÂ 017601537                    |         |          |                                      | <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other | <input checked="" type="checkbox"/> Form filed by One Reporting Person |
| (City)                                    | (State) | (Zip)    |                                      | (give title below) (specify below)   | <input type="checkbox"/> Form filed by More than One Reporting Person  |
|   |         |          |                                      | SVP, Administration CRM  |  |

**Table I - Non-Derivative Securities Beneficially Owned**

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock                    | 37,699 <sup>(1)</sup>                                 | D  | Â   |
| Common Stock                    | 21,838 <sup>(1)</sup>                                 | I  | By IRA  |

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

SEC 1473 (7-02)

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security | 4. Conversion or Exercise | 5. Ownership Form of | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|--|---------------------------|----------------------|---|
|--|--|--|---------------------------|----------------------|---|

| Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Price of Derivative Security | (Instr. 4) | Derivative Security:       |
|------------------|-----------------|-------|----------------------------|------------------------------|------------|----------------------------|
|                  |                 |       |                            |                              |            | Direct (D) or Indirect (I) |

(Instr. 5)

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |                           |       |
|---|---------------|-----------|---------------------------|-------|
|   | Director      | 10% Owner | Officer                   | Other |
| MCCONNELL WILLIAM F JR<br>ONE BOSTON SCIENTIFIC PLACE<br>NATICK, MA 017601537 | Â             | Â         | Â SVP, Administration CRM | Â     |

## Signatures

By: /s/ Lawrence J. Knopf,  
Attorney-in-fact

05/17/2006

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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).

This amendment reflects additional shares held directly by the reporting person as well as shares held by the reporting person's IRA and (1) omitted from his original Form 3. These shares were also omitted from one Form 4 filed by the reporting person after his original Form 3 was filed.

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.