VARIAN MEDICAL SYSTEMS INC Form 8-K January 10, 2011

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of report (Date of earliest event reported)

January 7, 2011

VARIAN MEDICAL SYSTEMS, INC. (Exact Name of Registrant as Specified in its Charter)

Delaware 1-7598 94-2359345
(State or Other Jurisdiction (Commission File (IRS Employer of Incorporation) Number) Identification No.)

3100 Hansen Way, Palo Alto, CA 94304-1030 (Address of Principal Executive Offices) (Zip Code)

Registrant's telephone number, including area (650) 493-4000 code

Not Applicable (Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- "Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- "Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- "Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

"Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01. Other Information.

On January 10, 2011, Varian Medical Systems, Inc. announced that: "Varian Medical Systems Receives 510(k) Clearance for its Proton Therapy System." A copy of the press release is attached as Exhibit 99.1 and incorporated by reference into this item.

Item 9.01. Financial Statements and Exhibits.

- (d) Exhibits.
- 99.1 Press Release dated January 10, 2011 entitled "Varian Medical Systems Receives 510(k) Clearance for its Proton Therapy System."

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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Varian Medical Systems, Inc.

By: /s/ John W. Kuo Name: John W. Kuo

Title: Corporate Vice President, General

Counsel and Secretary

Dated: January 10, 2011

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EXHIBIT INDEX

| Number | Exhibit |
|--------|---|
| 99.1 | Press Release dated January 10, 2011 entitled "Varian Medical Systems Receives 510(k) Clearance for its Proton Therapy System." |

Exhibit 99.1