VARIAN MEDICAL SYSTEMS INC Form 8-K June 06, 2008

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)

June 5, 2008

VARIAN MEDICAL SYSTEMS, INC.

(Exact Name of Registrant as Specified in its Charter)

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

3100 Hansen Way, Palo Alto, CA (Address of Principal Executive Offices)

94304-1030 (Zip Code)

Registrant s telephone number, including area code

(650) 493-4000

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):

[&]quot; 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 7.01. Regulation FD Disclosure.

A May 21, 2008 News Release issued by Northern Illinois University announced a planned purchase of proton therapy equipment from Varian Medical Systems, Inc. (the Company) by the Northern Illinois Proton Treatment and Research Center, LLC (the Center). The Company and the Center are in advanced discussions on providing proton therapy equipment and, at present, have entered into a non-binding letter of intent. A definitive agreement for the purchase of such equipment has yet to be concluded. No orders for proton therapy systems have been received at this time and the Company does not expect to book proton therapy orders until all contingencies associated with any such order are satisfied.

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: June 5, 2008