

JUL 12 2001

K012017

**VARIAN**  
medical systems

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**Premarket Notification [510K] Summary  
as required by 21 CFR 807.92**

**Date Summary was prepared:**

June 7, 2001

**Submitter's Name:**

Varian Medical Systems  
3140 Hansen Way F-055  
Palo Alto, CA 94304

**Contact Person:**

Linda S. Nash  
Corporate Director, Regulatory Affairs and Quality Assurance  
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E-Mail linda.nash@os.varian.com

**Device Name:**

VariSeed 7.0

**Classification Name:**

Source, Brachytherapy, Radionuclide

**Predicate Device:**

MMS TherapacPLUS B3DTUI, K982821 and  
Brachyvision, K992762

**Product Description:**

See the Software Description of the Device, Tab E

**Intended Use:**

VariSeed 7.0 is a software application used for planning and evaluation of permanent implant brachytherapy procedures.

**Technological Characteristics:**

See the “Substantial Equivalence Comparison Chart”, Tab F.



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Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

Ms. Linda Nash  
Director, Regulatory Affairs and Quality Assurance  
Varian Medical Systems, Inc.  
3100 Hansen Way  
PALO ALTO CA 94304-1038

Re: K012017  
VARISEED 7.0  
(Brachytherapy Treatment Planning System)  
Dated: June 25, 2001  
Received: June 28, 2001  
Regulatory Class: II  
21 CFR 892.5730/Procode: 90 MUJ

Dear Ms. Nash:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Current Good Manufacturing Practice requirements, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic QS inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4639. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsma/dsmamain.html>".

Sincerely yours,

Nancy C. Brogdon  
Director, Division of Reproductive,  
Abdominal, and Radiological Devices  
Office of Device Evaluation  
Center for Devices and Radiological Health

Enclosure (s)

510(k) Number (if known): K012017

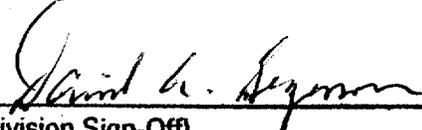
Device Name: VariSeed 7.0

Indications For Use:

VariSeed 7.0 is a software application for planning and evaluating permanent implant brachytherapy procedures for the treatment of prostate cancer with permanent implants that can be modeled according to AAPM TG-43. It facilitates pre-operative planning and post-operative evaluation as well as intra-operative planning and evaluation.

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

  
\_\_\_\_\_  
(Division Sign-Off)  
Division of Reproductive, Abdominal,  
and Radiological Devices  
510(k) Number K012017

Prescription Use   
(Per 21 CFR 801.109)

OR

Over-The-Counter Use \_\_\_\_\_

(Optional Format 1-2-96)