

## 510(k) Summary

### StealthStation® System - Indications Modification

Date Summary Prepared: February 9, 2000

- I. Company:** Contact: Roger N. White  
Surgical Navigation Technologies  
530 Compton St.  
Broomfield, CO 80020  
(303) 439-9709
- II. Product Trade Name:** StealthStation® System with Indications Modification  
**Common or usual name:** Frameless Stereotactic System  
**Classification name:** Stereotactic Instrument (84HAW per 21 CFR 882.4560)
- III.** The above device is substantially equivalent to the StealthStation® System cleared in K954276/K972398/K974187. This submission describes a change to the indications for use only. A review of clinical study data originally submitted in K954276 was provided to support the claim of substantial equivalence.
- IV.** This submission describes a modification to the StealthStation® System indications for use to provide specific examples of surgical procedures on which use of the StealthStation System® may be appropriate.
- V.** The indications for use for the StealthStation® System are as follows:

The StealthStation® System is intended as an aid for precisely locating anatomical structures in either open or percutaneous procedures. The StealthStation® System is indicated for any medical condition in which the use of stereotactic surgery may be appropriate, and where reference to a rigid anatomical structure, such as the skull, a long bone, or vertebra, can be identified relative to a CT or MR based model or fluoroscopy images of the anatomy.

Example procedures include, but are not limited to:

**Cranial Procedures:**

- Cranial biopsies.
- Tumor resections.
- Craniotomies/ Craniectomies.
- Skull base procedures.
- Thalamotomies/Pallidotomies.

K992461

**Spinal Procedures:**

Spinal implant procedures, such as pedicle screw placement.

**ENT Procedures:**

Transphenoidal procedures.  
Intranasal procedures.

Sinus procedures, such as Maxillary antrostomies, Ethmoidectomies, Sphenoidotomies./Sphenoid explorations, Turbinate resections, and Frontal sinusotomies.

- VI.** Since this submission is a change only to the indications for use, the technological characteristics of the device are the same as or similar to those for the predicate device. A review of clinical study data was provided to support the claim of substantial equivalence.



FEB 22 2000

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

Mr. Roger N. White  
Group Director  
Quality Systems and Regulatory Affairs  
Surgical Navigation Technologies  
530 Compton Street  
Broomfield, Colorado 80020

Re: K992461  
Trade Name: StealthStation Treatment Guidance Platform  
Regulatory Class: II  
Product Code: HAW  
Dated: December 17, 1999  
Received: December 20, 1999

Dear Mr. White:

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 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.

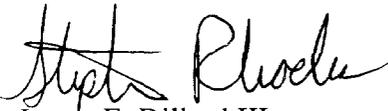
If your device is classified (see above) into either class II (Special Controls) or class III (Pre-market Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the current Good Manufacturing Practice requirement, 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.

Page 2 – Mr. Roger N. White

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) 594-4595. 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" (21 CFR 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/dsmamain.html>".

Sincerely yours,

*for*   
James E. Dillard III  
Acting Director  
Division of General and  
Restorative Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

510(k) Number (if known): K992461

Device Name: StealthStation® System – Indications Modification

Indications For Use:

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Spinal Procedures:

- Spinal implant procedures, such as pedicle screw placement.

ENT Procedures:

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>Transphenoidal procedures.</li> <li>Intranasal procedures.</li> </ul> | <ul style="list-style-type: none"> <li>Sinus procedures, such as Maxillary antrastomies, Ethmoidectomies, Sphenoidotomies./Sphenoid explorations, Turbinate resections, and Frontal sinusotomies.</li> </ul> |
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(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office Of Device Evaluation (ODE)

Prescription Use  (Per 21 CFR 801.109)

OR

Over-The-Counter Use

(Optional Format 1-2-96)

  
 (Division Sign-Off)  
 Division of General Restorative Devices  
 510(k) Number K992461