JAN 1 3 2004

4. 510k Summary

K033850

This summary of safety and effectiveness is submitted in accordance with the requirements of SMDA 1990 and 21 CFR 807.87.

Establishment Registration Number:	2021898
Address of Manufacturer:	Medtronic Neurosurgery 125 Cremona Drive Goleta CA, 93117 (805) 968-1546 ext. 1773 Fax: (805) 968-9336
Contact Person:	Jeffrey Henderson
Date:	December 8, 2003
Trade or Proprietary Name:	Medtronic PS Medical Strata NSC Valve and Shunt Assemblies with and without BioGlide
Common usual or Classification Name:	Central Nervous System Flow Control Shunts and Accessories (882.5550)
Predicate Device Identification:	Medtronic PS Medical Strata Valve and Shunt Assemblies with and without BioGlide (K012052)

Description: The PS Medical Strata NSC Valve is an adjustable non-siphon control Valve. The valve is manufactured of silicone elastomer and polypropylene (tissue contact materials). The valve is used as a shunt component. The adjustable valve is designed for non-invasive pressure-flow adjustment.

Intended Use: The PS Medical Strata NSC valve is a shunt component designed to provide controlled CSF flow from the ventricles of the brain into the peritoneal cavity. The Strata NSC valve allows the physician to non-invasively adjust the pressure/flow performance level pre- and post implantation to address the changing patient needs.

Intended Use of predicate device(s): The PS Medical Strata valve is a shunt component designed to provide controlled CSF flow from the ventricles of the brain into the peritoneal cavity. The Strata valve allows the physician to non-invasively adjust the pressure/flow performance level pre- and post implantation to address the changing patient needs. Additionally the Strata valve minimizes the excessive reduction of intraventricular pressure and volume due to excessive drainage of CSF that may be caused by the siphoning effect of hydrostatic pressure of the distal catheter. The siphon effect may be created by the

elevation of the ventricular catheter with respect to the distal catheter (i.e. when the patient sits, stands or is held erect).

Technological comparison: Medtronic Neurosurgery submits that the materials of fabrication, intended use, performance characteristics and design specifications of the Strata NSC Valve and Shunts with and without BioGlide are the same as the previously reviewed and cleared Strata Valve and Shunt Assemblies with and without BioGlide. Based upon the summary above, Medtronic Neurosurgery determines substantial equivalence, safety, and efficacy of the Strata NSC products based upon the predicate and currently marketed devices.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

JAN 1 3 2004

Mr. Jeffrey Henderson
Vice President, Quality and Regulatory Affairs
Medtronic Neurosurgery
125 Cremona Drive
Goleta, California 93117

Re: K033850
Trade/Device Name: PS Medical Strata NSC Valve
Regulation Number: 21 CFR 882.5550
Regulation Name: Central nervous system fluid shunt and components
Regulatory Class: II
Product Code: JXG
Dated: December 10, 2003
Received: December 15, 2003

Dear Mr. Henderson:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and 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) that do not require approval of a premarket approval application (PMA). 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 (PMA), 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 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 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), please contact the Office of Compliance at (301) 594-4659. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer 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,

for Mark N Melkerson

Celia M. Witten, Ph.D., M.D.
Director
Division of General, Restorative
and Neurological Devices
Office of Device Evaluation
Center for Devices and Radiological Health

Enclosure

Indications for Use

510(k) Number (if known): K033850

Device Name: PS Medical Strata NSC Valve

Indications For Use:

The Strata NSC Valve is a shunt component designed to provide continued Cerebrospinal Fluid (CSF) flow from the ventricles of the brain to the right atrium of the heart or the peritoneal cavity. The design allows the physician to non-invasively adjust valve pressure/performance level pre- and post-implantation by using a special magnetic adjustment tool.

Prescription Use ___x___ AND/OR Over-The-Counter Use _____
(Part 21 CFR 801 Subpart D) (21 CFR 807 Subpart C)

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

for Mark N Melkerson

Division [illegible]
Division of [illegible]ral, Restorative
and Neuro[illegible]gical Devices

[illegible] Number K033850