NOV 5 2002

General Electric Company
P.O. Box 414, Milwaukee, WI 53201

510(k) Summary

K023142

This 510(k) summary of safety and effectiveness information is submitted in accordance with the requirements of 21 CFR Part 807.92(c).

Submitter: GE Medical Systems
PO Box 414
Milwaukee, WI 53201

Contact Person: Larry A. Kroger Ph.D.
Manager, Regulatory Programs

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Date Prepared: October 8, 2002

Device Name:

Signa Ovation with Extra Large Body Coil
Magnetic Resonance Coil, 21 CFR 892.1000, 90-MOS

Marketed Device:

The Signa Ovation system with Extra Large Body Coil is substantially equivalent to the currently marketed GE Signa MFO/i MR system (K002611).

Device Description:

The Extra Large Body Coil is a modification to the Signa MFO/i MR System (K002611) which includes the addition of a flexible extra large body coil.

Indications for Use:

The Signa Ovation (formerly known as MFO/I) system is an open, whole body scanner designed to support improved higher resolution imaging and shorter scan times. The Signa Ovation system is indicated for use as a diagnostic imaging device to produce transverse, sagittal, coronal and oblique images of the internal structures and organs of the entire body, including, but not limited to, the musculocskeletal, vascular, cardiac, and neuro systems. The images produced by the Signa Ovation system reflect the spatial distribution of protons (hydrogen nuclei) exhibiting magnetic resonance. The NMR properties that determine the image appearance are proton density, spin-lattice relaxation time (T1), spin-spin relaxation time (T2) and flow. When interpreted by a trained physician, these images provide information that can be useful in determining diagnosis.

Due to the 'open' design of the system, the Signa Ovation may also be used for imaging during interventional procedures when performed with MR compatible devices such as, in-room display, and MR safe biopsy needles.

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Comparison with Predicate Device:

GE Medical Systems intends to begin marketing the Signa Ovation with Extra Large Body Coil. The Extra Large Body Coil is a modification of the Signa MFO/i MR System (K002611) with the main differences being the addition of a flexible extra large body coil. Signa MFO/i MR System has the same basic technological characteristics, and, uses similar design, construction, and materials.

Summary of Studies:

Testing was performed to demonstrate that the design modifications to the Extra Large Body Coil meet predetermined acceptance criteria.

Conclusion:

It is the opinion of GE that the Signa Ovation with Extra Large Body Coil is substantially equivalent to the GE Signa MFO/i MR System (K002611). Usage of the Extra Large Body Coil does not result in any new potential hazards.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

NOV 5 2002

Larry Kroger, Ph.D.
Regulatory Programs Manager
GE Medical Systems
General Electric Company
P.O. Box 414
MILWAUKEE WI 53201

Re: K023442
Trade/Device Name: Extra Large Body Coil
Regulation Number: 21 CFR 892.1000
Regulation Name: Magnetic resonance diagnostic device
Regulatory Class: II
Product Code: 90 MOS
Dated: October 8, 2002
Received: October 15, 2002

Dear Dr. Kroger:

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 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 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 one of the following numbers, based on the regulation number at the top of this letter:

8xx.1xxx	(301) 594-4591
876.2xxx, 3xxx, 4xxx, 5xxx	(301) 594-4616
884.2xxx, 3xxx, 4xxx, 5xxx, 6xxx	(301) 594-4616
892.2xxx, 3xxx, 4xxx, 5xxx	(301) 594-4654
Other	(301) 594-4692

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 Part 807.97). Other general information on your responsibilities under the Act may be obtained 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,

Nancy C. Brogdon

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

Enclosure

510(k) Number (if known): K022342

Device Name: Extra Large Body Coil

Indications For Use:

The Signa Ovation (formerly known as MFO/I) system is an open, whole body scanner designed to support improved higher resolution imaging and shorter scan times. The Signa Ovation system is indicated for use as a diagnostic imaging device to produce transverse, sagittal, coronal and oblique images of the internal structures and organs of the entire body, including, but not limited to, the musculocskeletal, vascular, cardiac, and neuro systems. The images produced by the Signa Ovation system reflect the spatial distribution of protons (hydrogen nuclei) exhibiting magnetic resonance. The NMR properties that determine the image appearance are proton density, spin-lattice relaxation time (T1), spin-spin relaxation time (T2) and flow. When interpreted by a trained physician, these images provide information that can be useful in determining diagnosis.

Due to the 'open' design of the system, the Signa Ovation may also be used for imaging during interventional procedures when performed with MR compatible devices such as, in-room display, and MR safe biopsy needles.

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription Use ✓ OR Over-The-Counter Use_____
(Per 21 CFR 801.109)

David A. Lehman

(Division Sign-Off)
Division of Reproductive, Abdominal, and Radiological Devices
510(k) Number K022342