K073449

APR 16 2008

SUMMARY OF SAFETY AND EFFECTIVENESS
MATERIALISE SURGICASE SYSTEM

PROPRIETARY NAME:

SurgiCase System

COMMON NAME:

Image processing system and preoperative software for simulating /evaluating implant placement and surgical treatment options

CLASSIFICATION NAME:

System, Image Processing. This product uses images acquired from Computerized Tomography (CT) or Magnetic Resonance Imaging (MRI) scanners.

DEVICE CLASSIFICATION:

This device has been classified as Class II.

REGULATORY CLASS:

Class II

PRODUCT CODE:

LLZ

SUBMITTER'S NAME AND ADDRESS:	MATERIALISE N.V. Technologielaan 15 B-3001 LEUVEN, BELGIUM
ESTABLISHMENT REGISTRATION NO:	3003998208
CONTACT PERSON:	Mieke Janssen, Materialise N.V. Quality Engineer
SUMMARY PREPARATION DATE:	December 6, 2007

PREDICATE DEVICE

The **SurgiCase System** is claimed to be substantially equivalent in material, design, and function to the SimPlant product from Materialise Dental which was cleared by FDA under 510(k) K033849 on May 25, 2004.

DEVICE DESCRIPTION

The Materialise **SurgiCase System** is intended for use as a software interface and image segmentation system for the transfer of imaging information from a medical scanner such as a CT scanner or a Magnetic Resonance Imaging scanner. It is also intended as pre-operative software for simulating / evaluating implant placement and surgical treatment options.

STERILIZATION

The **SurgiCase System** is provided non-sterile.

INDICATIONS FOR USE

The Materialise **SurgiCase System** is intended for use as a software interface and image segmentation system for the transfer of imaging information from a medical scanner such as a CT scanner or a Magnetic Resonance Imaging scanner. It is also intended as pre-operative software for simulating / evaluating implant placement and surgical treatment options.

SUBSTANTIAL EQUIVALENCE

The **SurgiCase System** is considered to be substantially equivalent to the SimPlant product.

CONCLUSION

The **SurgiCase System** is considered to be substantially equivalent in design, material and function to the SimPlant product.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

APR 16 2008

Mr. Mieke Janssen
Quality Engineer
Materialise NV
Technologielaan 15
3001 Leuven
BELGUIM

Re: K073449
Trade/Device Name: SurgiCase
Regulation Number: 21 CFR 892.2050
Regulation Name: Picture archiving and communications system
Regulatory Class: II
Product Code: LLZ
Dated: February 27, 2008
Received: February 29, 2008

Dear Mr. Janssen:

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 Center for Devices and Radiological Health's (CDRH's) Office of Compliance at one of the following numbers, based on the regulation number at the top of this letter.

21 CFR 876.xxxx	(Gastroenterology/Renal/Urology)	240-276-0115
21 CFR 884.xxxx	(Obstetrics/Gynecology)	240-276-0115
21 CFR 892.xxxx	(Radiology)	240-276-0120
Other		240-276-0100

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). For questions regarding postmarket surveillance, please contact CDRH's Office of Surveillance and Biometric's (OSB's) Division of Postmarket Surveillance at 240-276-3474. For questions regarding the reporting of device adverse events (Medical Device Reporting (MDR)), please contact the Division of Surveillance Systems at 240-276-3464. 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 (240) 276-3150 or at its Internet address http://www.fda.gov/cdrh/industry/support/index.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

Indications for Use

510(k) Number (if known): K073449

Device Name: SurgiCase

Indications For Use:

The Materialise **SurgiCase System** is intended for use as a software interface and image segmentation system for the transfer of imaging information from a medical scanner such as a CT scanner or a Magnetic Resonance Imaging scanner. It is also intended as pre-operative software for simulating / evaluating implant placement and surgical treatment options.

MIEKE JANSSEN

14.1.2008

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

(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 K073449