

K042964
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NOV 22 2004

MX Monoaxial Pedicle Screws

510(k) Summary
October 25, 2004

- Submitter** Scient'x
Batiment Calypso Parc Ariane 3
78284 Guyancourt
FRANCE

- Contact person** J.D. Webb
1001 Oakwood Blvd
Round Rock, TX 78681
512-388-0199

- Trade Name** MX Monoaxial Pedicle Screw

- Common name** Posterior pedicle screw system

- Classification name** Class II per 21 CFR section 888.3070

- Product Code** MNI/MNH

- Equivalent Device** Scient'x Closed Pedicle Screw system (K020245).

Device Description

The MX Monoaxial Pedicle Screw consists of pedicle screws and rods. Pedicle screws are inserted into the pedicles of the vertebrae and are available in two diameters (Ø5.5 and Ø6.2mm) and in lengths ranging from 30mm to 55mm. A rod is then placed through the screws. The rods are available in lengths ranging from 45-600mm. Two rod loading configurations are available. A closed screw is similar to the predicate screw with the head of the screw enlarged and the rod is slid through an opening in the head. A side loading configuration is similar to the closed screw except that there is an opening in the side of the screw head and the rod slid into this opening.

Intended Use

The MX Monoaxial Pedicle Screw is a pedicle screw system intended to provide immobilization and stabilization of spinal segments in skeletally mature patients as an adjunct to fusion in the treatment of the following acute and chronic instabilities or deformities of the thoracic, lumbar, and sacral spine: degenerative spondylolisthesis with objective evidence of neurological impairment, fracture, dislocation, scoliosis, kyphosis, spinal tumor, and failed previous fusion (pseudarthrosis).

As a pedicle screw system the MX Monoaxial Pedicle Screws are indicated for the treatment of severe spondylolisthesis (Grades 3 and 4) of the L5-S1 vertebra in skeletally mature patients receiving fusion by autogenous bone graft having implants attached to the lumbar and sacral spine (L3 to sacrum) with removal of the implants after the attainment of a solid fusion.

Summary Nonclinical Tests

Testing was performed per ATM F1717 and is comparable to the predicate device.



Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

NOV 22 2004

Mr. J. D. Webb
For Scient'X
c/o The OthroMedix Group Inc.
1001 Oakwood Blvd.
Round Rock, Texas 78681

Re: K042964
Trade/Device Name: Scient'X MX Monoaxial Pedicle Screw System
Regulation Number: 21 CFR 888.3070 (b) (1)
Regulation Name: Pedicle Screw Spinal System
Regulatory Class: II
Product Code: MNH,MNI
Dated: October 25, 2004
Received: October 27, 2004

Dear Mr. Webb:

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.

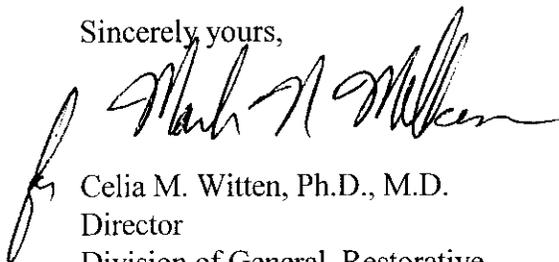
Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's 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.

Page 2 – Mr. Webb

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 (240) 276-0120. 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,

A handwritten signature in black ink, appearing to read "Celia M. Witten". The signature is written in a cursive style and is positioned to the right of the typed name.

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): K042964 (1 of 1)

Device Name: MX Monoaxial Pedicle Screws

Indications for Use:

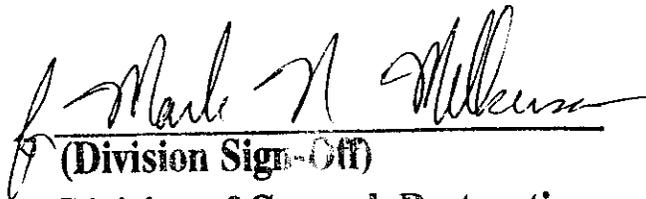
The MX Monoaxial Pedicle Screw is a pedicle screw system intended to provide immobilization and stabilization of spinal segments in skeletally mature patients as an adjunct to fusion in the treatment of the following acute and chronic instabilities or deformities of the thoracic, lumbar, and sacral spine: degenerative spondylolisthesis with objective evidence of neurological impairment, fracture, dislocation, scoliosis, kyphosis, spinal tumor, and failed previous fusion (pseudarthrosis).

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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 OF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)


(Division Sign-Off)

**Division of General, Restorative,
and Neurological Devices**

510(k) Number K042964