



Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

SEP 26 2006

Ortho Development Corporation
c/o Mr. William J. Griffin
12187 South Business Park Drive
Draper, Utah 84020

Re: K061524

Trade Name: ISS™ Integrated Spine System
Regulation Number: 21 CFR 888.3070(b)(1)
Regulation Name: Pedicle Screw Fixation System
Regulatory Class: II
Product Code: MNH, MNI, KWP
Dated: August 16, 2006
Received: August 17, 2006

Dear Mr. Griffin:

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.

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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 (240) 276-0120. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 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/industry/support/index.html>.

Sincerely yours,



Mark N. Melkerson
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): K061524

Device Name: Integrated Spine System (ISS™)

Indications for Use

The Integrated Spine System is indicated for the treatment of severe spondylolisthesis (Grades 3 and 4) at the L5-S1 vertebral joint in skeletally mature patients receiving fusion by autogenous bone graft and having implants attached to the lumbar and sacral spine (L3 to sacrum) with removal of the implants after the attainment of a solid fusion mass.

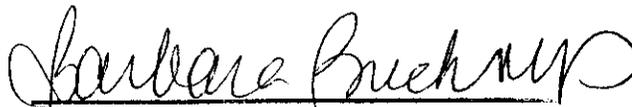
Use of a rod and ileo-sacral screw fixation system, T1-S1, the lumbar screws and rods will assist in arthrodesis or fusion of the lumbar spine. The indications for use are:

1. Spondylolisthesis
2. Spinal Fractures
3. Spinal Stenosis
4. Deformities (Idiopathic Scoliosis, Adult Kyphosis, Lordosis)
5. Pseudarthrosis of previous fusion
6. Instability caused by Trauma or Tumors
7. Revision of previously failed fusion surgery
8. Degenerative Disk Disease
9. Stabilization after Osteotomy

Prescription Use X AND/OR Over-The-Counter Use _____
(Part 21 CFR 801 Subpart D) (Part 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 General, Restorative,
and Neurological Devices**

510(k) Number K061524