510(K) SUMMARY

MEDICREA INTERNATIONAL's PASS LP 'Revision Post and Nut' and 'Iliac link'

1. GENERAL INFORMATION

DATE	6th November 2013
Submitter	MEDICREA® INTERNATIONAL 14 Porte Du Grand Lyon 01700 NEYRON- FRANCE
Contact	Audrey VION 14 Porte du Grand Lyon 01700 NEYRON - FRANCE +33 4 72 01 87 87 E-Mail: avion@medicrea.com NOV 0 8 2013
Trade Names	PASS LP Spinal System
Legally marketed predicate devices	PASS LP Spinal System K123138
510(k) Submission	Addition of revision post and nut and illiac link for Ø6mm rod to the PASS LP Spinal System component cleared in K123138
Classification Name	✓ orthosis, spinal pedicle fixation per MNI 888.3070 ✓ orthosis, spondylolisthesis spinal fixation per MNH 888.3070 ✓ appliance, fixation, spinal interlaminal per KWP 888.3050 ✓ pedicle screw spinal system, Adolescent Idiopathic Scoliosis per OSH 888.3070
Class	II
Product Code	MNI / MNH / KWP/ OSH
CFR section	888.3070

2. PREDICATE DEVICE DESCRIPTION

The PASS LP Spinal System is designed to contribute to correction and surgical stabilization of the thoracic, lumbar and sacral spine.

The system consists of pedicle screws, hooks, sacral plates, iliac screws, clamps, rods, nuts, rod plates and crosslink components. It can be used for single or multiple level fixations. Components are manufactured from titanium alloy (Ti-6Al-4V ELI) that conforms to ASTM F136 or cobalt-chromium molybdenum alloy Co-Cr28Mo6 that conforms to ISO 5832-12 and ASTM F1537.

A subset of PASS LP Spinal System components may be used for posterior pedicle screw fixation in pediatrics cases. These constructs may be comprised of a variety of shapes and sizes of rods, hooks, sacral plates, iliac screws, clamps, nuts and crosslink components. The PASS LP components can be rigidly locked into a variety of configurations, with each construct being tailored made for the individual case.

Materials: Titanium alloy and Cobalt-chromium-molybdenum alloy

3. DESCRIPTION OF DEVICE MODIFICATION

The purpose of this submission is to extend to the PASS LP Spinal System, with the addition of a new component: 'Revision Post and Nut' and Illiac Link for Ø6mm rod

4. INTENDED USE

The PASS LP Spinal Systems include a pedicle 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 thoracic, lumbar, and sacral spine:

- Fractures
- Dislocation
- Failed previous fusion (Pseudoarthrosis)
- Spinal stenosis
- Degenerative spondylolisthesis with objective evidence of neurological impairment
- Spinal deformations such as scoliosis or kyphosis.
- Loss of stability due to tumors.

The PASS LP Spinal System is also indicated for pedicle screw fixation 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.
The PASS LP also includes hooks and rods and sacral/iliac screws indicated for degenerative disc disease (ddd) defined as back pain of discogenic origin with degeneration of the disc confirmed by history and radiographic studies, spondylolisthesis, trauma (i.e., fracture or dislocation), spinal stenosis, deformities or curvatures (i.e., scoliosis, kyphosis, and/or lordosis), tumor, pseudoarthrosis and failed previous fusion.

Except for rod plates, when used for posterior non-cervical pedicle screw fixation in pediatric patients, the PASS LP Spinal System implants are indicated as an adjunct to fusion to treat adolescent idiopathic scoliosis. The PASS LP Spinal System is intended to be used with allograft and/or autograft. Pediatric pedicle screw fixation is limited to a posterior approach.

5. PERFORMANCE DATA

To determine substantial equivalence of the Revision Post and Nuts to its predicate, Static Axial sliding and Dynamic flexion extension tests have been carried out following the ASTM F1798. Those tests demonstrated substantially equivalent performance of the Revision Post and Nuts to its predicate.

To determine substantial equivalence of the Iliac link to its predicate, Dynamic Compression Bending Tests, following the ASTM F 1717, were carried out. Those tests demonstrated substantially equivalent performance of the Iliac link to its predicate.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
10903 New Hampshire Avenue
Document Control Center – WO66-G609
Silver Spring, MD 20993-0002

November 8, 2013

Medicrea International
Ms. Audrey Vion
Regulatory Affairs Manager
14 Porte Du Grand Lyon
01700 Neyron
France

Re: K132574
Trade/Device Name: PASS LP Spinal System
Regulation Number: 21 CFR 888.3070
Regulation Name: Pedicle screw spinal system
Regulatory Class: Class II
Product Code: OSH, MNH, MNI, KWP
Dated: September 5, 2013
Received: September 9, 2013

Dear Ms. Vion:

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. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

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); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803); 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.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

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) 796-7100 or at its Internet address http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm.

Sincerely yours,

Erin I. Keith

for

Mark N. Melkerson
Director
Division of Orthopedic Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

V. STATEMENT OF INDICATION FOR USE

510(k) Number (if known): K132574

Device Name: PASS LP Spinal System

Indications for Use:

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Prescription Use ✓ (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 OF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

Ronald P. Jean -S

(Division Sign-Off)
Division of Orthopedic Devices
510(k) Number: K132574