

510(k) SUMMARY

As required by section 807.92

JUL 28 2010

Submitter	SPINEART International Center Cointrin 20 route de pré-bois CP1813 1215 GENEVA 15 SWITZERLAND
Contacts	Franck PENNESI Director of Industry & Quality Phone : +41 22 799 40 25 Fax : +41 22 799 40 26 Mail : fpennesi@spineart.ch Regulatory contact : Dr Isabelle DRUBAIX (Idée Consulting) idrubaix@nordnet.fr
Trade Name	ROMEO posterior osteosynthesis system
SPECIAL 510k	Modification to ROMEO posterior osteosynthesis system (Extension of range of products)
CFR section	888.3070
Classification Name	Pedicle screw spinal system
Class	II
Product Code	MNI orthosis, spinal pedicle fixation
Subsequent product codes	MNH orthosis, spondylolisthesis spinal fixation KWP Spinal interlaminar fixation orthosis
Device panel	ORTHOPEDIC
Legally marketed predicate devices	ELLIPSE posterior osteosynthesis system (K081165) and ROMEO posterior osteosynthesis system (K093170) manufactured by SPINEART
Description	The modifications to ROMEO posterior osteosynthesis system (K081165 & K093170) manufactured by SPINEART consist of addition of 4.0 and 8.0 mm in diameter polyaxial screws made of titanium alloy, addition of Cobalt Chrome alloy rods, and extension of length range for other screw diameter and rods. These components are supplied either sterile or not sterile.

Intended Use	<p>ROMEО posterior osteosynthesis system is 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: severe spondylolisthesis (grades 3 and 4) of the L5-S1 vertebra; degenerative spondylolisthesis with objective evidence of neurologic impairment; fracture; dislocation; scoliosis; kyphosis; spinal tumor; and failed previous fusion (pseudarthrosis).</p>
Performance data	<p>ROMEО posterior osteosynthesis additional components conforms to special control established for Pedicle screw spinal system and to « Spinal System 510(k)s - Guidance for Industry and FDA Staff Document » issued on: May 3, 2004.</p> <p>Mechanical testing including static axial compression, static torsion and dynamic axial compression tests have been performed according to ASTM F1717-09. Results demonstrate that additional components perform as safely and effectively as their predicate devices.</p>
Substantial equivalence	<p>ROMEО posterior osteosynthesis system additional components are substantially equivalent to their predicate device in terms of intended use, material, design, mechanical properties and function.</p> <p>Non clinical performance testing according to special control demonstrate that additional components are as safe, as effective, and performs as safely and effectively as their predicate devices.</p>

Revised July 16, 2010



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

Spineart
% Mr. Franck Pennesi
Director of Industry and Quality
International Center Cointrin
20 route de pre-bois CP1813
1215 Geneva 15, Switzerland

JUL 28 2010

Re: K101678
Trade/Device Name: ROMEO Posterior Osteosynthesis System
Regulation Number: 21 CFR 888.3070
Regulation Name: Pedicle screw spinal system
Regulatory Class: Class II
Product Code: MNI, MNH, KWP
Dated: July 19, 2010
Received: July 20, 2010

Dear Mr. Pennesi:

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.

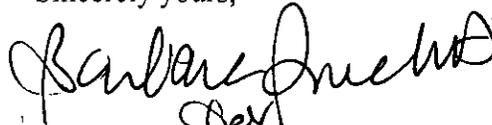
Page 2 - Mr. Franck Pennesi

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 go to <http://www.fda.gov/AboutFDA/CentersOffices/CDRH/CDRHOffices/ucm115809.htm> for the Center for Devices and Radiological Health's (CDRH's) Office of Compliance. 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,



Mark N. Melkerson

Director

Division of Surgical, Orthopedic

And Restorative Devices

Office of Device Evaluation

Center for Devices and

Radiological Health

Enclosure

K101678

INDICATIONS FOR USE

510(k) Number (if known): K101678

JUL 28 2010

Device Name: ROMEO posterior osteosynthesis system

Indications for Use:

ROMEO posterior osteosynthesis system is 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: severe spondylolisthesis (grades 3 and 4) of the L5-S1 vertebra; degenerative spondylolisthesis with objective evidence of neurologic impairment; fracture; dislocation; scoliosis; kyphosis; spinal tumor; and failed previous fusion (pseudarthrosis).

Prescription Use <input checked="" type="checkbox"/>	AND/OR	Over-The-Counter Use <input type="checkbox"/>
(Part 21 CFR 801 Subpart D)		(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)



 (Division Signatory)
 Division of Surgical, Orthopedic,
 and Restorative Devices

510(k) Number K101678