

DEC 16 2013

K131986

3. 510(K) SUMMARY

- 1. Applicant/Sponsor:** Corin USA
5670 W. Cypress Street
Suite C
Tampa, Florida 33607
Establishment Registration No.: 1056629
- 2. Contact Person:** Lucinda Gerber, BA (Hons)
Regulatory Affairs Associate
Corin USA
813-977-4469
Lucinda.gerber@coringroup.com
- 3. Date:** June 27, 2013
- 4. Proprietary Name:** Corin MiniHip Stem
- 5. Common Name:** Hip Prosthesis
- 6. Product Codes:** LZ0, MEH, KWL, OQI
- 7. Classification Name:**
- Hip joint metal/ceramic/polymer semi-constrained cemented or nonporous uncemented prosthesis (21CFR 888.3353)
 - Hip joint femoral (hemi-hip) metallic cemented or uncemented prosthesis (21CFR 888.3360)
- 8. Legally Marketed Devices to which Substantial Equivalence is claimed:**
- Corin MiniHip Stem (K083312)
 - Corin MiniHip Stem Size 3 (K111046)
 - Trinity Acetabular System with XL Heads (K130343)
- 9. Device Description:**

The MiniHip Stem is a titanium femoral hip stem featuring a 12/14 tapered male trunnion for assembly with modular femoral head components. The MiniHip Stem uses a short stem philosophy to provide a bone-conserving option to the use of a standard total hip prosthesis. The stem is manufactured from Titanium (TiAl6V4) alloy and is proximally coated with plasma sprayed hydroxyapatite, conforming to ASTM F-1185-03(2009), over plasma sprayed pure

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titanium. The Corin MiniHip Stem is available in 7 sizes marked 3 through 9. The Corin MiniHip Stem was originally cleared in K083312 and K111046.

Modular CoCrMo Femoral Heads are available in a diameter of 28mm with -3.5mm (short), 0.0mm (standard) and, +3.5mm (long) offsets and diameter of 32mm, 36mm and 40mm heads with offsets of -4mm (short), 0mm (standard) and +4mm (long) as previously cleared in K093472 and K110087 submissions. The 32mm with +7mm offset (extra-long), and the 36mm and 40mm with +8mm offset (extra-long), were added to the range of heads available in K130343.

Modular BIOLOX *delta*TM Ceramic Femoral Heads are available in a diameter of 28mm with -3.5mm (short), 0mm (standard) and, +3.5mm (long) offsets and diameters of 32mm, 36mm and 40mm heads with offsets of -4mm (short), 0mm (standard) +4mm (long) as previously cleared in K103120 and K110087 submissions. The 32mm with +7mm offset (extra-long), and the 36mm and 40mm with +8mm offset (extra-long), were added to the range of heads available in K130343.

The Corin MiniHip Stem was originally cleared in K083312 and K111046 and as cleared compatible with short, standard and long offsets modular femoral heads. The purpose of this submission is to modify the labeling for the Corin MiniHip Stem to include an additional size of the compatible femoral heads. The addition is for three offsets in the CoCrMo and Ceramic extra-long heads, 32mm (+7mm), 36mm (+8mm) and 40mm (+8mm).

10. Intended Use / Indications:

The indications for the MiniHip Stem as a total hip arthroplasty include:

- Non-inflammatory degenerative joint disease including osteoarthritis and avascular necrosis
- Rheumatoid arthritis
- Correction of functional deformity
- Development dysplasia of the hip (DDH) and congenital dysplasia of the hip (CDH)

The MiniHip Stem is indicated for cementless use only.

11. Summary of Technologies/Substantial Equivalence:

MiniHip Stems, subject of this submission, are identical to the predicate devices. This submission adds compatible modular femoral heads in an extra-long offset and is submitted for a modification of labeling. The additional compatible components of the Corin MiniHip Stem,

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subject device, are identical to predicate Trinity Acetabular System with XL Heads (K130343), compatible components, in terms of materials, intended use and indications and similar in design. Based on these similarities, Corin believes the MiniHip Stems, subject of this submission are substantially equivalent to the predicate devices.

12. Non-Clinical Testing:

Non-clinical testing conducted to demonstrate substantial equivalence includes a comparison of compatible components with the predicate devices.

13. Clinical Testing:

Clinical testing was not necessary to determine substantial equivalence between the MiniHip Stem and the predicate devices.



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

December 16, 2013

Corin USA
Lucinda Gerber, BA (Hons)
Regulatory Affairs Associate
5670 West Cypress Street, Suite C
Tampa, Florida 33607

Re: K131986
Trade/Device Name: MiniHip Stem
Regulation Number: 21 CFR 888.3353
Regulation Name: Hip joint metal/ceramic/polymer semi-constrained cemented or nonporous uncemented prosthesis
Regulatory Class: Class II
Product Code: LZO, MEH, KWL, OQI
Dated: November 7, 2013
Received: November 8, 2013

Dear Ms. Gerber:

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

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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,

Ronald P. Jean -S for

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

Enclosure

2. INDICATIONS FOR USE

510(k) Number (if known): K131986

Device Name: MiniHip Stem

Indications for Use:

The indications for the MiniHip Stem as a total hip arthroplasty include:

- Non-inflammatory degenerative joint disease including osteoarthritis and avascular necrosis
- Rheumatoid arthritis
- Correction of functional deformity
- Development dysplasia of the hip (DDH) and congenital dysplasia of the hip (CDH)

The MiniHip Stem is indicated for cementless use only.

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)

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Elizabeth L. Frank -S

Division of Orthopedic Devices