November 21, 2017

Altus Partners, LLC
Mark Melton, RA&QA
1340 Enterprise Drive
West Chester, Pennsylvania 19380

Re: K172253
Trade/Device Name: Altus Spine Cervical Interbody Fusion System
Regulation Number: 21 CFR 888.3080
Regulation Name: Intervertebral Body Fusion Device
Regulatory Class: Class II
Product Code: ODP
Dated: August 28, 2017
Received: August 29, 2017

Dear Mr. Melton:

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.

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.

For comprehensive regulatory information about medical devices and radiation-emitting products, including information about labeling regulations, please see Device Advice (https://www.fda.gov/MedicalDevices/DeviceRegulationandGuidance/) and CDRH Learn (http://www.fda.gov/Training/CDRHLearn). Additionally, you may contact the Division of Industry and Consumer Education (DICE) to ask a question about a specific regulatory topic. See the DICE website (http://www.fda.gov/DICE) for more information or contact DICE by email (DICE@fda.hhs.gov) or phone (1-800-638-2041 or 301-796-7100).

Sincerely,

Mark N. Melkerson -S

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

Enclosure

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Food and Drug Administration

Indications for Use

Form Approved: OMB No. 0910-0120
Expiration Date: January 31, 2017
See PRA Statement below.

510(k) Number *(if known)*
K172253

Device Name
Altus Spine Cervical Interbody Fusion System

Indications for Use *(Describe)*
The Altus Spine Cervical Interbody Fusion System is indicated for use with autogenous bone graft in skeletally mature patients with degenerative disc disease ("DDD") at one or two contiguous spinal levels from C3-C7. DDD is defined as discogenic back pain with degeneration of the disc confirmed by history and radiographic studies. These patients should have had six weeks of non-operative treatment. These DDD patients may have had a previous non-fusion spinal surgery at the involved spinal level(s), and may have up to Grade 1 spondylolisthesis or retrolisthesis at the involved level(s).

The Altus Spine Cervical Interbody Fusion System is to be combined with cleared supplemental fixation systems, such as the Altus Cervical Plate System.

Type of Use *(Select one or both, as applicable)*

☒ Prescription Use (Part 21 CFR 801 Subpart D) ☐ Over-The-Counter Use (21 CFR 801 Subpart C)

CONTINUE ON A SEPARATE PAGE IF NEEDED.

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510(k) Summary

SUBMITTER: Altus Partners
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West Chester, PA 19380
Phone: 610-355-4156
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CONTACT PERSON: Mark Melton
RA&QA
mmelton@altus-spine.com

DATE PREPARED: November 20, 2017

COMMON NAME: Interbody Fusion Device

PROPRIETARY NAME: Altus Spine Cervical Interbody Fusion System

PRIMARY PREDICATE DEVICES: Alphatec Spine Novel Cervical Spinal Spacer System (K081730)

ADDITIONAL PREDICATE DEVICES: Vertebron Interbody Fusion System (K073502)

Altus Spine Titanium Interbody Fusion System (K170512)

CLASSIFICATION NAME: 21 CFR §888.3080 Intervertebral Body Fusion Device

PRODUCT CODES: ODP

DEVICE CLASS: Class II

MATERIAL: PEEK that conforms to ASTM F2026, Tantalum that conforms to ASTM F560 and Titanium Alloy that conforms to ASTM F136.

DEVICE DESCRIPTION:

The Altus Spine Cervical Interbody Fusion System implants are available in a variety of different shapes and sizes to suit the individual pathology and anatomical conditions of the patient.

The Altus Spine Cervical Interbody Fusion System implants are made of PEEK with Tantalum conforming to ASTM F2026 and ASTM F560 and Titanium alloy (Ti-6Al-4V) that conforms to ASTM F136.

The Altus Spine Cervical Interbody Fusion System has a hollow chamber to permit packing with autogenous bone graft to facilitate fusion. The superior and inferior surfaces of the construct have a pattern of teeth to provide increased stability and to help prevent movement of the device.

INDICATIONS FOR USE:

The Altus Spine Cervical Interbody Fusion System is indicated for use with autogenous bone graft in skeletally mature patients with degenerative disc disease ("DDD") at one or two contiguous spinal levels from C3-C7. DDD is defined as discogenic back pain with degeneration of the disc confirmed by history and radiographic studies. These patients should have had six weeks of non-operative treatment. These DDD patients may have had a previous non-fusion spinal surgery at the involved spinal level(s), and may have up to Grade 1 spondylolisthesis or

retrolisthesis at the involved level(s).

The Altus Spine Cervical Interbody Fusion System is to be combined with cleared supplemental fixation systems, such as the Altus Spine Cervical Plate System.

SUMMARY OF TECHNOLOGICAL CHARACTERISTICS:

The technological characteristics of the Altus Spine Interbody Fusion System is equivalent to the predicate device (K081730). The design is essentially the same fundamental technology with minor dimensional changer that those currently FDA 510(k) approved.

SUMMARY OF NON-CLINAL TESTS SUBMITTED:

Testing in accordance with ASTM F2077-14 and ASTM F2267-04 was preformed and demonstrated that the Altus Spine Interbody Fusion System is substantially equivalent to the predicate device.

8 different tests were conducted, which include static compression, static compression shear, static torsion, subsidence, expulsion, dynamic compression, dynamic compression shear, and dynamic torsion.

SUBSTANTIAL EQUIVALENCE CONCLUSION:

The Altus Spine Cervical Interbody Fusion System is the same as the predicate (K081730) in regards to indications for use and surgical technique.

Altus Spine has determined that the modification of the Altus Spine Cervical Interbody Fusion System do not alter the system function, strength and stability. Therefore, the Altus Spine Interbody Fusion System is substantially equivalent to the predicate device.