January 13, 2022

Skeletal Dynamics, Inc.
Alexandra Rodriguez
Regulatory Affairs Specialist
7300 N. Kendall Drive, Suite 400
Miami, Florida 33156

Re: K213895
Trade/Device Name: Distal Humerus Plating System
Regulation Number: 21 CFR 888.3030
Regulation Name: Single/Multiple Component Metallic Bone Fixation Appliances And Accessories
Regulatory Class: Class II
Product Code: HRS
Dated: December 7, 2021
Received: December 14, 2021

Dear Alexandra Rodriguez:

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. Although this letter refers to your product as a device, please be aware that some cleared products may instead be combination products. The 510(k) Premarket Notification Database located at https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm identifies combination product submissions. 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) for devices or postmarketing safety reporting (21 CFR 4, Subpart B) for combination products (see https://www.fda.gov/combination-products/guidance-regulatory-information/postmarketing-safety-reporting-combination-products); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820) for devices or current good manufacturing practices (21 CFR 4, Subpart A) for combination products; 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 https://www.fda.gov/medical-devices/medical-device-safety/medical-device-reporting-mdr-how-report-medical-device-problems.

For comprehensive regulatory information about medical devices and radiation-emitting products, including information about labeling regulations, please see Device Advice (https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance) and CDRH Learn (https://www.fda.gov/training-and-continuing-education/cdrh-learn). 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 (https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/contact-us-division-industry-and-consumer-education-dice) for more information or contact DICE by email (DICE@fda.hhs.gov) or phone (1-800-638-2041 or 301-796-7100).

Sincerely,

Shumaya Ali, M.P.H.
Assistant Director
DHT6C: Division of Restorative, Repair
and Trauma Devices
OHT6: Office of Orthopedic Devices
Office of Product Evaluation and Quality
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: 06/30/2020
See PRA Statement below

510(k) Number *(if known)*

K213895

Device Name

Distal Humerus Plating System

Indications for Use *(Describe)*

The Skeletal Dynamics Inc's Distal Humerus Plating System is indicated for intra-articular fractures of the distal humerus, comminuted supracondylar fractures, osteotomies, and non-unions of the distal humerus.

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
Skeletal Dynamics Inc.'s
Distal Humerus Plating System

Submitter
Skeletal Dynamics, Inc.
7300 N. Kendall Drive
Suite 400
Miami, FL 33156
Phone: 305-596-7585 ext.7121
Facsimile: 305-596-7591
Contact Person: Alexandra Rodriguez
Date Prepared: January 13, 2022

Name and Classification
Trade Name: Distal Humerus Plating System
Classification Name: Single/multiple component metallic bone fixation appliances and accessories
Classification Number: 21 CFR §888.3030
Regulatory Class: Class II
Product Code: HRS

Predicate Devices
Distal Humerus Plating System, K200367

Device Description
The Skeletal Dynamics Inc's Distal Humerus Plating System consists of five titanium bone plates in different shapes (medial direct, lateral direct, lateral helical, lateral capitellar, and supracondylar), in multiple lengths, and in left and right configurations to address distal humerus fractures. The plates are made of medical grade titanium alloy. The system also includes 2.7mm, 3.5mm and 4.5mm locking and compression titanium alloy screws and 3.0mm polyaxial Cobalt Chrome locking screws which are provided in various lengths. The System is being modified to include additional lengths of existing screw options and new 3.5mm and 4.5mm locking and compression Titanium Alloy Screws. Additionally, minor modifications have been made to the plates to accept the new screws above mentioned. Also included in the system is specialized instrumentation. The System is provided non-sterile for sterilization in the user facility.

The Distal Humerus Plating System is comprised of:

- Titanium alloy plates, screws, and fasteners
- CoCr Cannulated Polyaxial Locking Screws (PLS)
- Stainless steel K-wires (for provisional fixation; not for implantation)
- System specific instrumentation

Indications for Use
The Skeletal Dynamics Inc's Distal Humerus Plating System is indicated for intra-articular fractures of the distal humerus, comminuted supracondylar fractures, osteotomies, and non-unions of the distal humerus.

Summary of Technological Characteristics
The substantial equivalence of the Distal Humerus Plating System to the predicate device is demonstrated by similarities in intended use, indications for use, materials, design (fundamental scientific technology), performance, sterility and packaging and does not present any new issues of safety or effectiveness.

Performance Testing
Engineering analysis and mechanical testing demonstrated that the Skeletal Dynamics Inc's Distal Humerus Plating System is equivalent to predicate devices currently marketed. Static testing, which established equivalency included ASTM-F543-17 *Standard Specification and Test Methods for Metallic Medical Bone Screws.* Therefore, the subject device is as safe and effective as the legally marketed predicate device.

Conclusions
The Skeletal Dynamics Inc's Distal Humerus Plating System is substantially equivalent to the predicate device identified in this premarket notification.