AUG 1 9 2004

K041527

SYBRON DENTAL SPECIALTIES

Section III - 510(k) Summary of Safety and Effectiveness

Submitter:

Medicon eG
Gänsäcker 15
78532 Tuttlingen
Germany

Contact:

Sybron Dental Specialties, Inc.
1717 W. Collins Avenue
Orange, California 92867
(714) 516-7484 - Phone
(714) 516-7488 - Facsimile
Colleen Boswell - Contact Person

Date Summary Prepared: June 2004

Device Name:

- Trade Name – Aarhus Anchorage System
- Common Name – Orthodontic Implant Screw
- Classification Name – Implant, Endosseous Dental, per 21 CFR § 872.3640

Devices for Which Substantial Equivalence is Claimed:

- Medicon eG, *Micro Titanium Plate System*
- KLS Martin L.P., *Ortho Anchorage System*

Device Description:

The *Aarhus Anchorage System* consists of 9.6 mm to 12.2 mm in length, non-sterile, single-use titanium screws designed to aid in dental movement by providing a rigid skeletal fixation point. The "self-drilling" thread design allows for easy insertion and removal – with the use of the system's Grip Screwdriver Replaceable F Aarhus Screw Octagonal and Blades.

Intended Use of the Device:

The Aarhus Anchorage System is intended to serve as a fixed anchorage point for attachment of orthodontic appliances to facilitate the orthodontic movement of teeth. The device is used temporarily and is removed after orthodontic treatment.

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Substantial Equivalence:

Aarhus Anchorage System is substantially equivalent to other legally marketed devices in the United States. *Aarhus Anchorage System Screws* are composed of the same material as the *Micro Titanium Plate System Screws* marketed by Medicon eG and are substantially equivalent in application and function to the *Ortho Anchorage System,* both marketed by KLS Martin L.P.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

AUG 1 9 2004

Medicon, E.G.
C/O Ms. Colleen Boswell
Director, Corporate Compliance
Sybron Dental Specialties, Incorporated
1717 West Collins Avenue
Orange, California 92867

Re: K041527
Trade/Device Name: Aarhus Anchorage System
Regulation Number: 872.3640
Regulation Name: Endosseous Implant
Regulatory Class: II
Product Code: DZE
Dated: June 4, 2004
Received: June 8, 2004

Dear Ms. Boswell:

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.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such 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); 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.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (301) 594-4613. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). 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) 443-6597 or at its Internet address http://www.fda.gov/cdrh/dsma/dsmamain.html

Sincerely yours,

Chiu Lin, Ph.D.
Director
Division of Anesthesiology, General Hospital,
Infection Control and Dental Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

Indications for Use

510(k) Number (if known): K041527

Device Name: Aarhus Anchorage System

Indications for Use:

The Aarhus Anchorage System is a threaded titanium dental implant screw intended to serve as a fixed anchorage point for attachment of orthodontic appliances to facilitate the orthodontic movement of teeth. The device is used temporarily and is removed after orthodontic treatment.

Prescription Use X AND/OR Over-The-Counter Use _____
(Part 21 CFR 801 Subpart D) (21 CFR 807 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE - CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

(Division Sign-Off)
Division of Anesthesiology, General Hospital
Infection Control, Dental Devices

510(k) Number: K041527