



K944555

Summary of Safety and Effectiveness Information [510(k) Summary]

MAR - 3 1998

SPONSOR

Synthes (USA)
1690 Russell Road
Paoli, PA 19301
(610) 647-9700

Contact: Angela Silvestri

**COMMON OR USUAL
NAME**

Bone Plate and Bone Screw

**DEVICE
CLASSIFICATION**

Class II, 21 CFR 872.4760 and 872.4880

PREDICATE DEVICE

Synthes Mandibular Modular Fixation System (K954385), Synthes 2.4 mm Universal Locking Plate System (K961421), and SMF Ti Alloy Bone Screws (K963546)

DESCRIPTION

The 2.0 Locking Plate System consists of five different types of plates and two screws, as follows: 2.0 Straight Locking Plates, 2.0 Crescent Locking Plates, 2.0 Atrophic Locking Plates, 2.0 Reconstruction Locking Plates, 2.0 Specialty Plates (Y- and L-), and 1.5 mm and 2.0 mm Self-drilling Locking Screws.

The plates feature a threaded screw hole which accepts a locking screw with a mating external thread on the screw head. Engaging these screw threads fixes the screw to the plate thereby reducing the likelihood of screw loosening and improving the screw to plate stability of the implant system.

INTENDED USE

The Synthes 2.0 LPS is intended for oral, maxillofacial surgery: trauma; reconstructive surgery; and orthognathic surgery (surgical correction of dentofacial deformities).

MATERIAL

The plates are manufactured from CP Titanium and Ti-15Mo, and the screws are manufactured from titanium alloy (Ti-6Al-7Nb).



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

MAR - 3 1998

Ms. Angela J. Silvesti
Manager, Regulatory Affairs
Synthes (USA)
1101 Synthes Avenue
Monument, Colorado 80132

Re: K974555
Trade Name: Synthes 2.0mm Locking Plate System (2.0 LPS)
Regulatory Class: II
Product Code: JEY
Dated: December 3, 1997
Received: December 4, 1997

Dear Ms. Silvesti:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to 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). 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 (Pre-market Approval), 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 895. A substantially equivalent determination assumes compliance with the current Good Manufacturing Practice requirement, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic (QS) inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531

Page 2 - Ms. Silvesti

through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

This letter will allow you to begin marketing your device as described in your 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 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4618. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsmamain.html>".

Sincerely yours,


Timothy A. Ulatowski
Director
Division of Dental, Infection Control
and General Hospital Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure



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Page 1 of 1

510(k) Number (if known): K974555

Device Name: Synthes (USA) 2.0 Locking Plate System

Indications for use:

The Synthes 2.0 LPS is intended for oral, maxillofacial surgery: trauma; reconstructive surgery; and orthognathic surgery (surgical correction of dentofacial deformities).

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

Concurrence of CDRH, Office of Device Evaluation (ODE)


Susan Rimmer
(Division Sign-Off)
Division of Dental, Infection Control,
and General Hospital Devices
510(k) Number K974555

Prescription Use
(Per 21 CFR 801.109)

OR

Over-The-Counter Use