K073378
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510(k) Summary

Submitted By:

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Regulatory Affairs Specialist
Cook Incorporated
750 Daniels Way, PO Box 489
Bloomington, IN 47402
812-339-2235
November 30, 2007

DEC 2 8 2007

Device:

Trade Name:	Advance™ 18LP PTA Dilatation Catheter
Proposed Classification:	Catheter, Angioplasty, Peripheral, Transluminal (74 DQY)

Indications for Use:
For percutaneous transluminal angioplasty (PTA) of lesions in peripheral arteries including iliac, renal, popliteal, infrapopliteal, femoral and iliofemoral as well as obstructive lesions of native or synthetic arteriovenous dialysis fistulae.

Predicate Devices:

The Advance™ 18LP PTA Dilatation Catheter is similar in terms of intended use, materials of construction and technological characteristics to predicate devices reviewed as devices for transluminal percutaneous angioplasty of vessel lumens which are narrowed or obstructed.

Device Description:

The Advance™ 18LP PTA Dilatation Catheter is an over-the wire balloon catheter indicated for percutaneous transluminal angioplasty (PTA) of lesions in peripheral arteries including iliac, renal, popliteal, infrapopliteal, femoral and iliofemoral as well as obstructive lesions of native or synthetic arteriovenous dialysis fistulae. The device will be made with 4.0 French nylon tubing compatible with a 0.018-inch guidewire. It will be supplied sterile, intended for one-time use.

Substantial Equivalence:

Cook currently markets the PTA Balloon Catheter which is considered substantially equivalent to the Advance™ 18LP PTA Dilatation Catheter. The similar indications for use and technological characteristics of the Advance™ 18LP PTA Dilatation Catheter as compared to the predicate device support a determination of substantial equivalency.

Test Data:

The Advance™ 18LP PTA Dilatation Catheter was subjected to the following tests to assure reliable design and performance under the specified testing parameters. These tests were comprised of:

1. Tensile test
2. Balloon inflation/deflation test
3. Balloon burst test
4. Balloon compliance test
5. Balloon fatigue test
6. Balloon profile test
7. Bond strengths test
8. Shelf life test
9. Sterility test
10. Sheath compatibility test
11. Biocompatibility test

The results of these tests provide reasonable assurance that the device has been designed and tested to assure conformance to the requirements for its use as a PTA dilatation balloon catheter.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

DEC 2 8 2007

Cook Incorporated
c/o Nathan Simon
Regulatory Affairs Specialist
750 Daniels Way, P.O. Box 489
Bloomington, IN 47402-0489

Re: K073378
Trade/Device Name: Advance™ 18LP PTA Balloon Catheter
Regulation Number: 21 CFR 870.1250
Regulation Name: Percutaneous Catheter
Regulatory Class: Class II
Product Code: DQY
Dated: November 30, 2007
Received: December 3, 2007

Dear Mr. Simon:

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 Center for Devices and Radiological Health's (CDRH's) Office of Compliance at (240) 276-*0120*. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). For questions regarding postmarket surveillance, please contact CDRH's Office of Surveillance and Biometric's (OSB's) Division of Postmarket Surveillance at 240-276-3474. For questions regarding the reporting of device adverse events (Medical Device Reporting (MDR)), please contact the Division of Surveillance Systems at 240-276-3464. 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 (240) 276-3150 or at its Internet address http://www.fda.gov/cdrh/industry/support/index.html.

Sincerely yours,

B/Zuckerman for

Bram D. Zuckerman, M.D.
Director
Division of Cardiovascular Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

510(k) Number (if known): K073378

Device Name: Advance™ 18LP PTA Balloon Catheter

Indications for Use:

For percutaneous transluminal angioplasty (PTA) of lesions in peripheral arteries including iliac, renal, popliteal, infrapopliteal, femoral and iliofemoral as well as obstructive lesions of native or synthetic arteriovenous dialysis fistulae.

Prescription Use __X___ (Per 21 CFR 801 Subpart D) OR Over–the-Counter Use_____ (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 Cardiovascular Devices
510(k) Number K073378