

APR 17 2000

**510(k) Summary:**

**Submitted By:**

Neal E. Fearnot, Ph.D.  
MED Institute, Incorporated  
1400 Cumberland Avenue  
West Lafayette, Indiana 47906  
(765) 463-7537  
October 1, 1999

**Device:**

Trade Name: Wilson-Cook® Colonic Z-Stent®  
Common/Usual Name: Self-Expandable Stent, Z-Stent®  
Proposed Classification: Self-expanding colonic stent

**Predicate Devices:**

The Wilson-Cook® Colonic Z-Stent® is similar to predicate self-expandable Z-Stents® manufactured by Wilson-Cook® Medical, Incorporated and Schneider (USA) which are used in the digestive tract to maintain patency.

**Device Description:**

The Wilson-Cook® Colonic Z-Stent® is a self-expanding, tubular prosthesis used to maintain patency of malignant colonic strictures in patients having high operative risk and/or advanced disease. The Wilson-Cook® Colonic Z-Stent® Introduction System is used to place the Colonic Z-Stent®. This device and the introduction system are supplied sterile and intended for single use only.

**Substantial Equivalence:**

The device will be manufactured according to specified process controls and a Quality Assurance Program. The device will undergo packaging procedures similar to devices currently manufactured and marketed by Wilson-Cook® Medical. This device is similar with respect to indications for use and design to predicate devices in terms of section 510(k) substantial equivalency.



Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

APR 17 2000

Neal E. Fearnot, Ph.D.  
President  
MED Institute, Incorporated  
1400 Cumberland Avenue  
West Lafayette, IN 47906

Re: K990034  
Wilson-Cook® Colonic Z-Stent®  
Dated: February 29, 2000  
Received: March 1, 2000  
Regulatory Class: II  
21 CFR §878.3610/Procode: 78 MQR

Dear Dr. Fearnot:

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 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). 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 (Premarket 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 requirements, 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 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) 594-4591. 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" (21CFR 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/dsma/dsmamain.html>".

Sincerely yours,

Daniel G. Schultz, M.D.  
Captain, USPHS  
Director, Division of Reproductive,  
Abdominal, and Radiological Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure(s)

510(k) Number (if known): K990034Device Name: Wilson-Cook® Colonic Z-Stent®

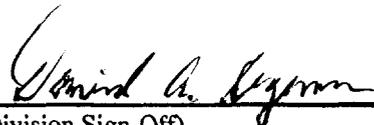
## Indications For Use:

The Wilson-Cook® Colonic Z-Stent® is a self-expanding, tubular prosthesis used to maintain patency of malignant colonic strictures in patients having high operative risk and/or advanced disease. The Wilson-Cook® Colonic Z-Stent® Introduction System is used to place the Colonic Z-Stent®. This device and the introduction system are supplied sterile and intended for single use only.

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

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Concurrence of CDRH, Office of Device Evaluation (ODE)



(Division Sign-Off)  
Division of Reproductive, Abdominal, ENT,  
and Radiological Devices

510(k) Number K990034

Prescription Use   ✓    
(Per 21 CFR 801.109)

OR

Over-The-Counter Use           

(Optional Format 1-2-96)