

## 510(k) Summary

This summary of 510(k) safety and effectiveness information is being submitted in accordance with the requirements of SMDA 1990 and 21 CFR §807.92.

The assigned 510(k) number is:           K091029          

**Submitter:** Rex Medical, L.P.  
1100 East Hector St., Suite 245  
Conshohocken, PA 19428

FEB 18 2010

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**Date Prepared:** March 24th, 2009

**Trade Name:** Cleaner™ Rotational Thrombectomy System

**Common Name:** Thrombectomy catheter

**Classification Name:** Peripheral Atherectomy Catheter (21 CFR 870.4875, Product Code MCW)

**Predicate Device(s):**

K011056 Arrow-Trerotola™ Percutaneous Thrombolytic Device (PTD™)  
K060904 Cleaner™ Rotational Thrombectomy System

**Device Description:**

The Cleaner™ Rotational Thrombectomy System is a 5.8Fr percutaneous mechanical thrombectomy catheter. It is a sterile, single use disposable device. Its handle contains a battery operated motor that spins a flexible "S" shaped guidewire at approximately 4000 rpm. The wall contacting rotational wire, with integrated soft distal tip, permits atraumatic mechanical declotting of native vessel dialysis fistulae and synthetic dialysis access grafts. The wire creates a fluid vortex as it spins that macerates clot and allows it to be aspiration through an introducer sheath.

**Intended Use:**

The Cleaner™ rotational thrombectomy system is indicated for mechanical declotting of native vessel dialysis fistulae and synthetic dialysis access grafts.

**Technological Characteristics:**

The Cleaner™ Rotational Thrombectomy System is similar with regard to materials, intended use, principles of operation and technological characteristics to the predicate device. Any differences that may exist do not significantly affect the safety and efficacy of the device. Results of bench testing and animal studies demonstrate Cleaner™ Rotational Thrombectomy System is as safe and effective as the legally marketed predicate device.

**Non-Clinical Performance Testing:**

The expanded indications for use to include native vessel dialysis fistulae are based on the bench testing and animal data presented in the performance section of the submission. A GLP animal study was conducted utilizing the Cleaner Rotational Thrombectomy System in a Lagomorph IVC model.

**Conclusions:**

Rex Medical considers the Cleaner™ Rotational Thrombectomy System to be substantially equivalent to the predicate device listed above. The conclusions are based on performance testing and similarities in indications for use, materials, technological characteristics, principle of operation and design features.



Food and Drug Administration  
10903 New Hampshire Avenue  
Document Control Room W-O66-0609  
Silver Spring, MD 20993-0002

FEB 18 2010

Rex Medical, L.P.  
c/o Susan D. Goldstein-Falk  
55 Northern Blvd., Suite 200  
Great Neck, NY 11021

Re: K091029

Trade/Device Name: Cleaner Rotational Thrombectomy System  
Regulation Number: 21 CFR 870.4875  
Regulation Name: Intraluminal Artery Stripper  
Regulatory Class: Class II (two)  
Product Code: MCW  
Dated: February 1, 2010  
Received: February 3, 2010

Dear Ms. Goldstein-Falk:

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. 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.

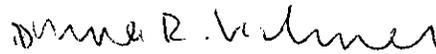
Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's 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); 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.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please go to <http://www.fda.gov/AboutFDA/CentersOffices/CDRH/CDRHOffices/ucm115809.htm> for the Center for Devices and Radiological Health's (CDRH's) Office of Compliance. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to <http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm> for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

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) 796-7100 or at its Internet address <http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm>.

Sincerely yours,



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

Enclosure

**Indications for Use**

510(k) Number (if known): K091029

Device Name: Cleaner™ Rotational Thrombectomy System

**Indications For Use:**

The Cleaner™ Rotational Thrombectomy System is indicated for mechanical declotting of native vessel dialysis fistulae and synthetic dialysis access grafts.

Prescription Use  X   
(Part 21 CFR 801 Subpart D)

AND/OR

Over-The-Counter Use \_\_\_\_\_  
(21 CFR 801 Subpart C)

(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)

*Dennis P. Kohn*  
(Division Sign-Off)  
Division of Cardiovascular Devices

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