

K091918

OCT - 72009

Exhibit 5

510(k) Summary

Fluoroscopic X-Ray System / Model: ZEN-2090 Pro

1. Submitter and US Official Correspondent

Submitter:

GENORAY Co., Ltd.

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434-6, Sangdaewon 1-dong,

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+82-31-737-8020

Fax:

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Official Correspondent (U.S): Shin Kuk Yoo, Consultant

Telephone No.:

714-313-7442

Fax No.:

801-303-7455

Email:

skyone@LSKBioPartners.com

2. <u>Establishment Registration Number</u>

3005843418

3. <u>Device Information</u>

Proprietary/Trade Name:

Fluoroscopic X-Ray System (Model: ZEN-2090 Pro)

Common/Usual Name:

Fluoroscopic X-Ray System

Classification Name:

Image-Intensified Fluoroscopic X-Ray System

Product Code:

JAA

Device Class:

Class II per regulation 21 CFR 892.1650

4. Equivalent Legally Marketed Device

<GE OEC Fluorostar>

Manufacturer:

GE OEC Medical Systems, Inc.

Device Name:

GE OEC Fluorostar

510(k) Number:

K043076 (Decision Date - Dec. 22, 2004)

Classification:

Image-Intensified Fluoroscopic X-Ray System: JAA, Class II per

regulation 21 CFR 892.1650

<Philips BV Endura>

Manufacturer:

Philips Medical Systems North America Company

Device Name:

Philips BV Endura

510(k) Number:

K010435 (Decision Date - Mar. 12, 2001)

Classification:

Image-Intensified Fluoroscopic X-Ray System: JAA, Class II per

regulation 21 CFR 892.1650

Description of the Device

ZEN-2090 Pro is consisted of the X-ray tube, X-ray tube assembly, x-ray controller, XTV camera and some accessories.

The ZEN-2090 Pro is a device intended to visualize anatomical structures by converting a pattern of x-radiation into a visible image through electronic amplification. This generic type of device may include signal analysis and display equipment, patient and equipment supports, component parts, and accessories.

Product Items	ZEN-2090 Pro
Generator	High Frequency Inverter
X-ray tube	Stationary tube
Fluoroscopy	40~110 kV / 0.2~6mA
	Boost mode:10mA
	ABC control
Radiography	40 ~ 110 kV/20mA
TV Camera	CCD Type
Frame Memory	16 Frame
Image Intensifier	E5830SD-P4A of Toshiba
Panning motion	±12.5°
Parallel motion	N/A
Orbit. Rotation	120 Degrees
Horiz, Travel	200mm
Vert. Travel	400mm
Rotation	180 Degrees about
Panning motion	±12.5°
Parallel motion	N/A

6. <u>Indications for use</u>

ZEN-2090 Pro is a mobile digital C-arm designed to provide fluoroscopic and radiographic images of the patient during diagnostic, surgical and interventional procedures. Examples of clinical application may include cholangiography, endoscopy, orthopedic, neurologic, stone localization, critical care and emergency room procedures

i.e. surgical interventions needing X-ray imaging and/or guidance and interventions inside and outside the operating room.

7. Safety and Effectiveness, comparison to Predicate

The result of bench and clinical evaluation indicates that the new device is as safe and effective as the predicate devices.

GENORAY Co., Ltd. 18 of 496 CONFIDENTIAL



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Food and Drug Administration 10903 New Hampshire Avenue Document Control Room W-066-0609 Silver Spring, MD 20993-0002

GENORAY Co., Ltd. % Mr. Shin Kuk Yoo Consultant Manager LSK BioPartners, Inc. 215 South State Street, Ste 100B SALT LAKE CITY UT 84111

Re: K091918

Trade/Device Name: Fluoroscopic X-Ray System (Models: ZEN-2090 Pro)

Regulation Number: 21 CFR 892.1650

Regulation Name: Image-intensified fluoroscopic x-ray system

Regulatory Class: II Product Code: JAA Dated: September 4, 2

Dated: September 4, 2009 Received: October 1, 2009

Dear Mr. Shin Kuk Yoo:

This letter corrects our substantially equivalent letter of October 7, 2009.

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 (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 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 <u>Federal Register</u>.

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,

Janine M. Morris

Acting Director, Division of Reproductive, Abdominal, and Radiological Devices

Office of Device Evaluation

Center for Devices and Radiological Health

510(k) number (if known):	8
Device Name: Fluoroscopic X-Ray System (Moc	dels: ZEN-2090 Pro)
Indications for Use:	
images of the patient during diagno clinical application may include ch localization, critical care and emerg	G-arm-designed to provide fluoroscopic and radiographic stic, surgical and interventional procedures. Examples o colangiography, endoscopy, orthopedic, neurologic, stonescopy room procedures X-ray imaging and/or guidance and interventions inside
Prescription Use V AND/OR	Over-The-Counter Use
(Part 21 CFR 801 Subpart D)	(Part 21 CFR 801 Subpart C)
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Exhibit 4

Indications for Use

Concurrence of CDRH, Office of Device Evaluation (ODE)

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

510(k) Number.

GENORAY Co., Ltd.