

JUN 5 1998

K981447

**SUMMARY OF SAFETY AND EFFECTIVENESS  
DIO - LIGHT 60 SURGICAL LASER SYSTEM**

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**REGULATORY AUTHORITY:**

Safe Medical Devices Act of 1990, 21 CFR 807.92

**COMPANY NAME/CONTACT:**

Ken Kato  
Vice President  
47651 Westinghouse Drive  
Fremont, CA 94539  
Phone: (510) 226-5700  
Fax: (510) 226-5750

**DEVICE TRADE NAME:**

Dio-Light Laser System

**DEVICE COMMON NAME:**

Laser Diode Surgical Laser System

**DEVICE CLASSIFICATION:**

Surgical laser systems are classified as Class II.

**PERFORMANCE STANDARDS:**

The laser systems manufactured by Nidek Inc. comply with 21 CFR 1040.10 and 1040.11, FDA regulations for medical laser products, as applicable.

**INDICATIONS FOR USE STATEMENT:**

Nidek Dio-Light Laser System is intended for the treatment of vascular and pigmented lesions.

#### COMPARISON WITH PREDICATE DEVICE:

The Nidek Dio-Light system is substantially equivalent to Cynosure's Photogenica LPIR laser system.

The risks and benefits of the Nidek Dio-Light are comparable to the predicate device when used for similar clinical applications.

Since the Nidek Dio-Light laser system is substantially equivalent with respect to indications for use, materials, method of operation and physical construction to the predicate device, we believe it clearly meets the requirement for substantial equivalence according to 510(k) guidelines. Safety and effectiveness are reasonably assured, therefore justifying 510(k) clearance for commercial sale.



Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

JUN 5 1998

Mr. Ken Kato  
Vice President  
Nidek Incorporated  
47651 Westinghouse Drive  
Fremont, California 94539

Re: K981447  
Trade Name: Dio-Light 60 Laser System  
Regulatory Class: II  
Product Code: GEX  
Dated: April 20, 1998  
Received: April 22, 1998

Dear Mr. Kato:

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.

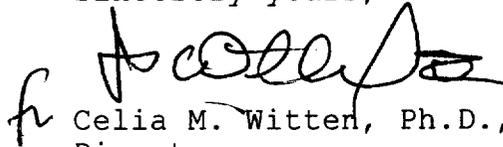
If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the current Good Manufacturing Practice 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 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

Page 2 - Mr. Ken Kato

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) 594-4595. 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,

A handwritten signature in black ink, appearing to read "Celia M. Witter". The signature is written in a cursive style with a large initial "C" and "W".

Celia M. Witter, Ph.D., M.D.  
Director  
Division of General and  
Restorative Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

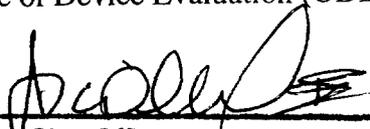
510(k) Number (if known): K981447

Device Name: **Nidek Dio-Light 60 Laser System**

Indications for Use: Treatment of vascular and pigmented lesions in Dermatology.

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Concurrence of CDRH, Office of Device Evaluation (ODE)

  
\_\_\_\_\_  
(Division Sign-Off)  
Division of General Restorative Devices  
510(k) Number K981447

Prescription Use X  
(Per 21 CFR 801.109)

OR

Over the Counter Use \_\_\_\_\_