DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

JUL - 5 2000

Mr. M. Laine Mashburn
Ionics Medical Corporation
702 13th Street, #108
Miami Beach, Florida 33139

Re: K983667
Trade Name: Levante Intervertebral Pillar
Regulatory Class: II
Product Code: MQP
Dated: April 5, 2000
Received: April 6, 2000

Dear Mr. Mashburn:

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 control provisions of the Act. The general control 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) 594-4659. 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,

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

Enclosure

EXHIBIT B (Amendment)

INDICATIONS FOR USE
(CDRH/ ODE Optional Format published 1/02/96)

510 (k) Number: K983667

Device Name: Ionics Levante Intervertebral Pillar, Expandable
(from Ionics Medical Corporation)

Indications (as amended June/19/00):

- The Levante Intervertebral Pillar prosthesis is intended for use in the thoracolumbar spine (i.e., T1 to L5) to replace and to restore the height of a diseased vertebral body resected or excised for the treatment of tumor as well as to concomitantly facilitate anterior decompression of the spinal cord and neural tissues. Two contiguous vertebral bodies are the maximum number of bodies the device is intended to replace. The device is intended to be **always** implanted with adjunctive fixation.
- To replace a vertebral body for tumor and to replace or restore the height of a vertebral body due to fracture; for example, burst or compression fractures
- To facilitate anterior decompression of the spinal cord and neural structure
- To facilitate the reduction of kyphotic deformities

(PLEASE DO NOT WRITE BELOW THIS LINE)

Concurrence of CDRH, Office of Device Evaluation (ODE)

(Division Sign-Off)
Division of General Restorative Devices
510(k) Number K983667

Prescription Use ✓
(Per 21 CFR 801. 109)