

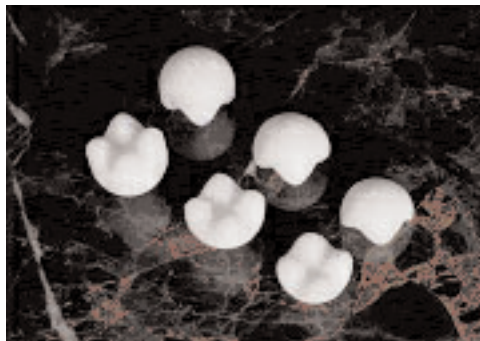
July 1, 2001

## **Porex Surgical Inc. Awarded 510K for a New Enucleation and Evisceration Implant**

---

Porex Surgical Inc. is pleased to announce the release of a new MEDPOR Biomaterial Implant for enucleation and evisceration, the MEDPOR® Quad Motility Implant. Porex Surgical was awarded 510K clearance for the Quad Motility Implant in June, 2001.

The MEDPOR Quad Motility Implant, provided sterile, is a rounded orbital implant with four mounds located anteriorly. It is molded from high-density polyethylene and has been shown to have good tissue tolerance and stability<sup>1</sup>. The anterior mounds provide projection in Tenon's and conjunctiva that allows coupling of the implant with the ocular prosthesis without penetrating through the conjunctiva and creates two channels so that the horizontal and vertical muscle stumps can be easily sutured together. Increased posterior length allows greater volume replacement compared to previous quasi-integrated implants. Surgeons may select from three sizes, small, medium, and large approximating the volume of a 16, 18 and 20 millimeter sphere.



The Quad Motility Implant is intended for use after standard enucleation or evisceration procedures. The implant is primarily intended to (1) fill the void resulting from an enucleated or eviscerated eye, (2) provide projection in Tenon's and conjunctiva allowing coupling of the implant with an ocular prosthesis without penetrating through the conjunctiva, and (3) create channels so that the horizontal and vertical muscles stumps can be sutured together.

Porex Surgical, Inc. in collaboration with Dr. Richard L. Anderson, MD, Oculoplastic Surgery, Inc., Salt Lake City, UT, has been working on the development of the implant for approximately five years.

In a poster presentation at the 2001 Annual Meeting of the Association for Research in Vision and Ophthalmology Dr. Anderson stated:

“Spherical hydroxyapatite and porous polyethylene implants are popular orbital implants because incorporation into the host tissue allows the implant to resist migration and extrusion. To achieve the best motility, however, coupling of the implant to the prosthesis with pegs or screws is often required. The Iowa and Universal implants were acrylic quasi-integrated orbital implants that provided excellent motility in a single stage surgery. Unfortunately, late extrusion, migration and lack of biocompatibility were drawbacks.” Dr. Anderson describes “a new quasi-integrated implant, the MEDPOR Quad-Motility implant made from porous polyethylene that combines the advantages of host tissue incorporation and excellent motility with a single stage surgery.”

Dr. Anderson is further quoted from the poster as saying: “We describe the use of a new quasi-integrated orbital implant constructed from porous polyethylene that fulfills these criteria. It is completely buried within the muscle cone, allows for fibrovascular ingrowth, gives superior volume replacement compared to spherical implants, is simple to implant without the need for wrapping materials or secondary pegging, and is more economical than hydroxyapatite. The protruding mounds on the anterior surface of the implant allow for excellent motility in a single-staged procedure and also provide additional support for the weight of the prosthesis.”

MEDPOR Biomaterial Implants are composed of biocompatible porous polyethylene. Since 1985, MEDPOR Implants have been used extensively in Ophthalmic plastic, craniofacial reconstruction/augmentation and aesthetic surgery. The interconnecting, omni-directional pore structure of MEDPOR Implants allows for rapid vascularization and tissue ingrowth.

For more information on the MEDPOR Quad Motility Implant or to request a free copy of the poster presentation, please contact Porex Surgical at 1-800-521-7321, or by e-mail at [surgical.info@porex.com](mailto:surgical.info@porex.com).

1. Goldberg RA, Dresner SC, Braslow RA, Kossovski N, Legmann A.. Animal Model of Porous Polyethylene Orbital Implants. Ophthalmic Plastic Reconstructive Surgery 1994;10:104-09

[Return to Press Release Index](#)