

Title: Endocapsular Drug Delivery Ring for Intraocular Use

Invention Summary	These inventors present a novel drug delivery device to deliver medications into the eye. It is placed in the eye at the time of cataract surgery in order to deliver drugs for glaucoma , macular degeneration, and a variety of other chronic eye diseases.	
Market Applications	<p>This device is designed to deliver medications to treat macular degeneration, glaucoma, diabetes, macular edema, and other chronic eye diseases.</p> <p>Age-related macular degeneration and glaucoma are two of the leading causes of blindness in the United States and across the world. Approximately 1 in 27 Americans suffer from age-related macular degeneration. Furthermore, 75 % of the population in the United States has diabetes which often leads to blindness.</p> <p>The wide range of ocular diseases to which this device is applicable and the fact that general ophthalmologists will be able to manage its use suggests a broad market for this product.</p>	
Features, Benefits & Advantages	<p>Increased compliance of drug administration by eliminating the need to self administer drugs 3-4 times per day</p> <p>No sutures or retinal or vitreous surgery are required</p> <p>Device is refillable thereby increasing its cost effectiveness</p> <p>General ophthalmologists can use the device as opposed to sub-specialty surgeons</p>	
Intellectual Property & Development Status	A provisional patent application has been filed with the U.S. Patent and Trademark Office. This technology is part of an active and ongoing research program and an early bench prototype has been created for testing. This technology is available for developmental research support/licensing under either exclusive or non-exclusive terms.	
Related Research	<ul style="list-style-type: none"> • Ambati et al (2003) An animal model of age-related macular degeneration in senescent Ccl-2 or Ccr-2-deficient mice. <i>Nat Med.</i> 9(11): 1390-7 • see inventor's web site 	
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