FutureBridge

THROUGH THE LENS OF GLAUCOMA

A Closer Look at Vision Health

Glaucoma's Universal Presence: A Global Concern

An estimated 4.5 Million people worldwide have become **Blind** due to Glaucoma



The 2nd most common cause of Blindness worldwide is Glaucoma glaucoma who are unaware of their condition Up to May rise to

Percentage of population affected by

50%

in developed countries

90% in underdeveloped parts of the world

Knowledge is Sight: Empower Yourself with Glaucoma **Facts**

Open-angle glaucoma accounts for about 90% of all glaucoma cases, while angleclosure glaucoma is less common but often more severe





As per Centers for **Disease Control** and Prevention -**African Americans** are 6-8 times more likely to develop glaucoma than Caucasians



Studies indicate that up to 60% of glaucoma patients do not take their medications as prescribed



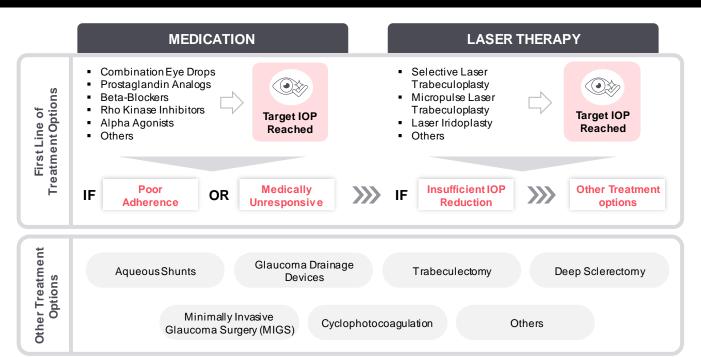


called the "silent thief of sight" because it causes no pain and typically displays no symptoms until vision loss has occurred

Annual economic burden of glaucoma in the United States alone is estimated to be around \$2.9 **billion** in direct medical costs and productivity losses



Tackling Glaucoma: Existing Line of Treatments



Diagnosis & Treatment Artificial **Optical Coherence** Gene Minimally Invasive

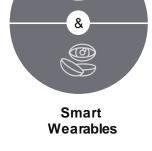
Technologies Powering the Future of Glaucoma



Intelligence

Recent Innovations and Activities Advancing Glaucoma

Tomography



sensor and a flexible drug delivery system

Therapy



Glaucoma Surgery



Micro Labs Ltd. launched Trisopt, the world's first fixed-dose combination of Brimonidine, Timolol, and Brinzolamide ophthalmic suspension for glaucoma management

Detection and Treatment



Smartlens received a \$6.1M grant for developing smart contact lens for glaucoma detection Research team at POSTECH has developed a smart contact lens by combining an IOP



(SAFARI II) on its Cilioscleral Interposition Device (CID) estimated to advance microinvasive glaucoma surgery (MIGS) domain

Dr. Hu Yang, a Missouri S&T professor was recently awarded the NIH R01 grant of \$2.5

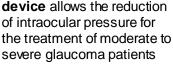
Ciliatech presented preliminary results of the second 2-year postoperative clinical trial



Altris unveiled its artificial intelligence platform for automated OCT scans analysis

million over the next five years for his new glaucoma treatment

Start-Up Ecosystem

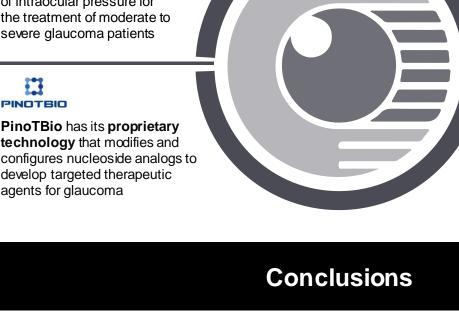


Myra Vision's

nanotechnology-based

PinoTBio has its proprietary technology that modifies and

agents for glaucoma



the **SENSIMED Triggerfish**, with the aim of revolutionizing glaucoma management

stage glaucoma

SENSIMED >>

Avisi Technologies has a platform that develops an ultrathin nanoplate made of alumina implant material for treating mid to late-

Sensimed AG, has developed

a unique non-invasive soft

contact lens-based solution,

- Early Detection Saves Sight: Raising glaucoma awareness is crucial to prevent irreversible damage. Regular
- Economic and Personal Impact: Addressing glaucoma early not only saves billions but also improves countless lives through better vision care.

Tech Breakthroughs Transforming Care: Al, telemedicine, wearables, and nanotech are revolutionizing

About FutureBridge

FutureBridge tracks and advises on the future of industries from a 1-to-25 year perspective.

We keep you ahead on the technology curve, propel your growth, identify new opportunities, markets and business models, answer your unknowns, and facilitate best-fit solutions and partnerships using our platforms, programs, and access to global ecosystems and players.

check-ups can safeguard vision and enhance millions of lives worldwide.

glaucoma diagnosis and treatment, offering hope for a brighter future.