

World's First Bionic Eyes Brings Hope to Cure Blindness

Australia's Monash University has disclosed the 'Gennaris Bionic Vision System'. It is a pioneering bionic eye designed to restore vision in blind people.



Mumbai, Maharashtra Oct 4, 2024 ([Issuewire.com](https://www.issuewire.com)) - Since the evolution of technology, our lives seem to have gotten easier. Now, with all the advancements there are in society, humankind has found solutions to nearly every problem. This includes a major breakthrough in the medical sector that attempts to cure blindness in people. Researchers from Monash University in Australia have worked on and now developed the world's first bionic eye. This development offers hope for a cure for millions of people in the world suffering from blindness. Known as the 'Gennaris Bionic Vision System', it is a cutting-edge technology that aims to restore the vision of people who have lost it. This technology is set to revolutionize the healthcare industry, particularly for people with untreatable blindness.

The 'Gennaris Bionic Vision System' is an innovative technology that is a result of nearly a decade of research, tireless hard work, and development. It includes an advanced system that works by bypassing damaged optic nerves. These damaged optic nerves are usually the ones that transmit information to the brain from the human eye's vision. Using this technology, the system would send the signal to the brain's vision center instead. So, this system will allow users to perceive images, and well, see.

The bionic eye system had previously seen encouraging results in animals and now is preparing for its first human clinical trials in Melbourne. The technology was first tested in sheep, where it showed minimal damage and was planned successfully in their brains. The upcoming trials in Melbourne will determine the technology's success in curing actual human blindness and the probability of its broad adaptation.

The system works in a miracle way. The patients would wear specially-made headgear where a wireless transmitter and camera will be fitted inside. The 'Gennaris Bionic Vision System' has small 9 mm implants that are placed inside the brain in order to receive and then analyze the visual data for its user. The bionic eye offers a new way of living to people with incurable blindness. The research team, in addition to restoring the vision in blind people now wants to investigate and research more on additional options. This includes helping people with neurological disorders and paralysis.

The way the system mimics the human eye is what sets the Gennaris Bionic Vision System apart in the industry. The previous attempts at creating a bionic eye failed to replicate the retina's concave shape, which allows the users to capture a wider field of view. Now this system uses advanced technology that archives a more natural vision this particular study by the researchers at Monash University can be dated back to 2020.

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