

## CHI DOCTOR, DR.CHI, ON MACULAR DEGENERATION WITH AIRNERGY

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### MACULAR DEGENERATION: A LOOMING SIGHT THREAT AS WE AGE

Age-related macular degeneration (AMD), is a severe medical condition that can have significant effects on health, particularly vision. This condition can cause a loss of central vision or a blurring of vision within the central visual field.

Multiple factors, including genetic susceptibility, contribute to the development of AMD. Unfortunately, there is no known cure or treatment that can restore vision once it has been lost as a result of AMD, highlighting the severity of its health consequences. Some treatment options involve injecting medications directly into the vitreous of the eye, a procedure typically employed for moist or progressive AMD. Nevertheless, these injections pose significant health hazards and discomfort. Patients undergoing such treatments face an increased likelihood of experiencing inflammation, retinal detachment, and intraocular infections.

It affected a startling 200 million people worldwide, expected to reach 288 million by 2040. It is the leading cause of vision loss and poses significant health challenges worldwide. The total economic impact of late-stage AMD was estimated at close to \$ 50 billion in the United States alone. It is a hazard that will become more severe as the global population continues to age.

### A PRACTICAL EXPLANATION OF THE CAUSES OF MACULAR DEGENERATION

The pathogenesis of AMD remains not fully understood, though several theories involving oxidative stress, mitochondrial dysfunction, and inflammation have been proposed to explore potential causal pathways. In the meantime, the scientific study of advanced glycation end-products (AGEs) has shed light on the pathological development of AMD. Here, I'll provide a simplified, practical explanation of this condition for easier understanding.

Cellular respiration is the essential process through which the human body exchanges energy. Essentially, it is a modified form of photosynthesis ( $\text{CO}_2 + \text{water} + \text{light} > \text{Sugar} + \text{Oxygen}$ ), requiring only sugar and oxygen to interact. These two components, oxygen and sugar, can also react with other biological substances such as proteins or lipids in two types of chemical reactions: oxidation and glycation.

Oxidation, driven by oxygen, is a process commonly observed in, for example, rusty metals. Glycation, fueled by sugar, is commonly seen in baking or cooking with sugar. Both processes are ongoing within our bodies at all times. Under normal conditions, we possess a defense system that shields us from excessive oxidation and glycation. However, this defense system weakens as we age, and various pathological, genetic, and environmental factors can accelerate these processes. Consequently, both oxidation and glycation play significant roles in age-related diseases like macular degeneration.

## Now, why does this happen in the eyes?

The concentration of glucose or sugar is notably high inside our eyes. This is also why a significant percentage of diabetic patients experience vision problems. Our eyes, as vital organs, provide approximately 70% of the input from the external world to our brain. To carry out their complex electrochemical activities, they demand substantial energy in the form of oxygen and sugar, generating excessive energy waste in the form of glycated or oxidized cells, proteins, and even DNA. This is also why we often have discharge from our eyes upon waking. However, the damage caused by glycation or oxidation to the light-sensitive tissues of the eyes cannot be expelled as easily as dust entering our eyes. What's crucial to understand is that once these chemical reactions reach their final stages, they are irreversible, and the end-products, AGEs (advanced glycation end-products) and ALEs (advanced lipoxidation end-products), cannot be eliminated by any natural or synthetic means. This enigma remains a deep mystery in the scientific field, as there's no known solution. Consequently, the accumulation of these substances leads to permanent pathological changes in our vision. The only means of ridding them is the natural degradation of affected tissues or the death of cells. However, cells in the eye lens, for example, have a life expectancy of around 40 years, making it nearly impossible for older individuals with AMD. The only viable approach to combat the buildup of these substances is to halt the chemical reactions of oxidation or glycation before they reach their final stages or slow down the accumulation processes.

## Now, why are there two types of AMD?

The immediate consequence of AGEs or ALEs buildup is reduced nutrient and oxygen supply to the eyes, which can lead to atrophy or the dry form of AMD. Simultaneously, the human body possesses a remarkable capacity for regeneration and adaptation. This can result in new vessel growth as a compensatory effort, which may trigger the onset of the wet form of AMD.

## FIGHTING MACULAR DEGENERATION WITH AIRNERGY

Over the years, many patients suffering from macular degeneration have reported remarkable improvements in their conditions after using Airnergy. In some cases, these patients have even experienced such significant progress that they could once again qualify for driving. But how is this possible with Airnergy?

Before delving into how Airnergy works, let's simplify how our bodies utilize energy and the kinds of energy sources they employ. We now understand that in much the same way that we look for cleaner and less polluting sources of energy in the outside world, we have similar energy choices within our bodies that significantly impact our health.

Both oxygen and sugar are chemical substances that require further processing within our bodies to produce the clean energy needed. This process is essentially cellular respiration, which involves combining these two components in perfect balance to create clean energy in the form of water and expelling carbon dioxide through breathing. However, this process must be tightly controlled by antioxidant enzymes, as it produces byproducts known as free radicals. Moreover, the levels of cellular oxygen and sugar must be carefully regulated to allow the smooth production of clean energy in the form of water. Unfortunately, this process becomes less efficient as we age and deteriorates pathologically in individuals with AMD.

When this occurs, a critical situation arises: Cells require a consistent supply of energy to maintain their integrity, but the energy supply situation becomes disrupted. Instead of relying on the clean energy of water as the primary energy source, the body starts to use more unclean energies from the direct input of oxygen and sugar separately. Oxygen turns into free radicals, and sugar undergoes anaerobic fermentation to provide extra energy supply. Over time, this process turns into a vicious bioreactor inside the body, leading to more damage to the entire system. The most effective way to halt this process is to shut down this vicious bioreactor by providing clean energy and resetting the metabolic process. This is precisely how Airnergy works for patients with AMD.

First and foremost, Airnergy externally generates clean energy in the form of water through a machine. Instead of utilizing both oxygen and sugar in the cellular respiration process, Airnergy uses only oxygen and activates it with light through the photosynthesis method. Photosynthesis is the most efficient energy transfer method on Earth. The extracted photon energy is immediately stored in the water, just as it would be in cellular respiration. In this way, Airnergy entirely eliminates the internal fossil fuel-burning processes in our bodies. Notably, it eliminates the need to use sugar, which is the primary source of advanced glycation end-products (AGEs) buildup. By doing so, Airnergy switches off the vicious bioreactor described earlier, reducing the production of free radicals and anaerobic glucose fermentation.

Secondly, Airnergy delivers the acquired clean energy through the most crucial process for life: breathing. Breathing is the sole process that sustains us, serving as the pacemaker of our entire being, from the mind to the body. Regardless of mental or physical illnesses, addressing breathing is fundamental. By providing ready-made clean energy to the body through breathing, Airnergy serves as an ultimate biohacking tool to completely overwrite the established pathological processes in AMD patients. This leads to a complete metabolic reset, triggering a cascade of events involving cellular rejuvenation and vitalization. Simultaneously, it accelerates the body's ability to remove toxic buildup.

## UNIQUE TO OUR EYES – WATER AND LIGHT

Approximately 80% of the human eye is composed of water. The aqueous humor, a clear fluid that fills the front part of the eye, contains approximately 98% water, while the vitreous humor, a clear gel in the back part of the eye, consists of approximately 99% water. Therefore, water plays a pivotal role in our vision. Healthy vision hinges on having healthy water that carries the right energy – “pure energy”, very much like that provided by Airnergy.

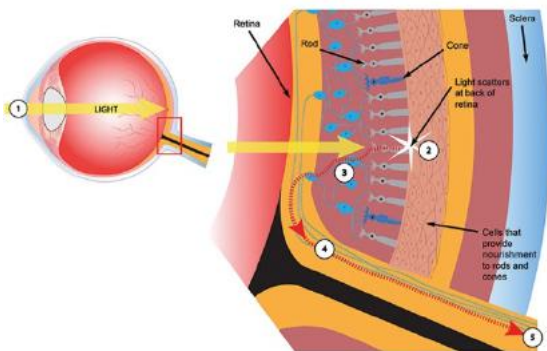


Figure 1: schematic of the eye and retina structure

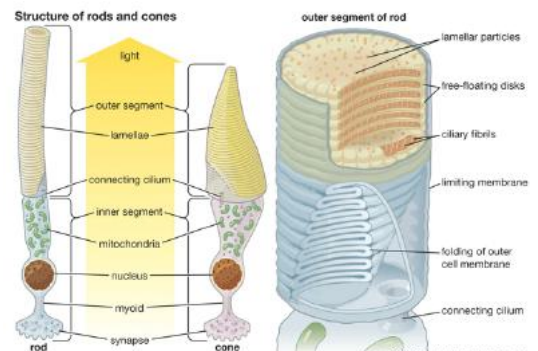


Figure 2: Photoreceptor cones and rods, source: [encyclopaedia britannica](https://www.britannica.com)

On the other hand, visual receptor cells come in two varieties: large rods and small cones (refer to Figure 1: Schematic of the eye and retina structure). Within these photoreceptors, thousands of tightly packed membranes contain the photopigment responsible for light absorption (see Figure 2: Photoreceptors of cones and rods). This complex structure is essential for achieving a high photopigment density, and the confined, pancake-like space is required to trap light. Despite light's rapid speed in an open space, it essentially remains still within this structure. This phenomenon, known as "frozen light," serves as the crucial gateway to our vision and acts as the "software" for our brains, influencing our feelings, thoughts, and emotions. Consequently, to maintain healthy vision, we need healthy light, which is why Airnergy is of such great importance to our vision. It transforms life-offering light into pure energy within water and delivers this vital energy through the life-enabling process of breathing to restore health to our lives.

## UNIQUE TO AIRNERGY – BRING LIGHT INTO YOUR LIFE

In summary, Airnergy's groundbreaking approach, outlined in this article, offers a unique solution to those dealing with age-related macular degeneration. By recognizing the pivotal role of water and light in maintaining a healthy vision, Airnergy's technology harnesses pure energy, effectively bringing light into your life. This innovative solution provides hope and support for those seeking to combat the challenges of AMD, offering a pathway to improved eye health and overall well-being. With Airnergy, a brighter future for those with AMD is on the horizon.