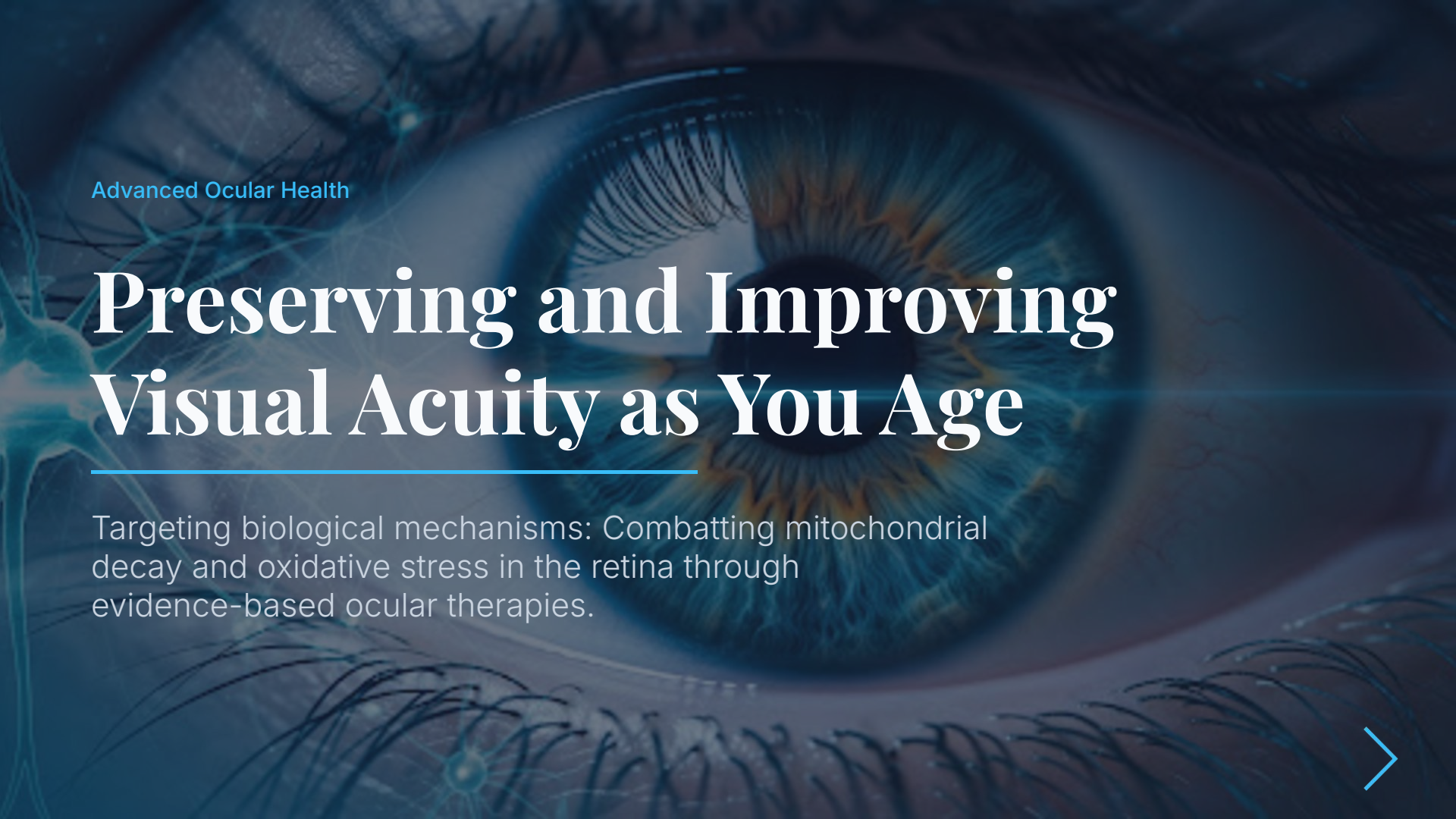


Advanced Ocular Health

Preserving and Improving Visual Acuity as You Age

Targeting biological mechanisms: Combatting mitochondrial decay and oxidative stress in the retina through evidence-based ocular therapies.

Therapeutic Interventions

Key Modalities for Vision Restoration

Addressing cellular decay and structural vulnerabilities through targeted clinical pathways.



Photobiomodulation

Using 670nm red light to jumpstart mitochondrial ATP production and reduce retinal cell death.



Nutrient Therapy

High-dose AREDS2 protocols targeting oxidative stress and macular pigment density.



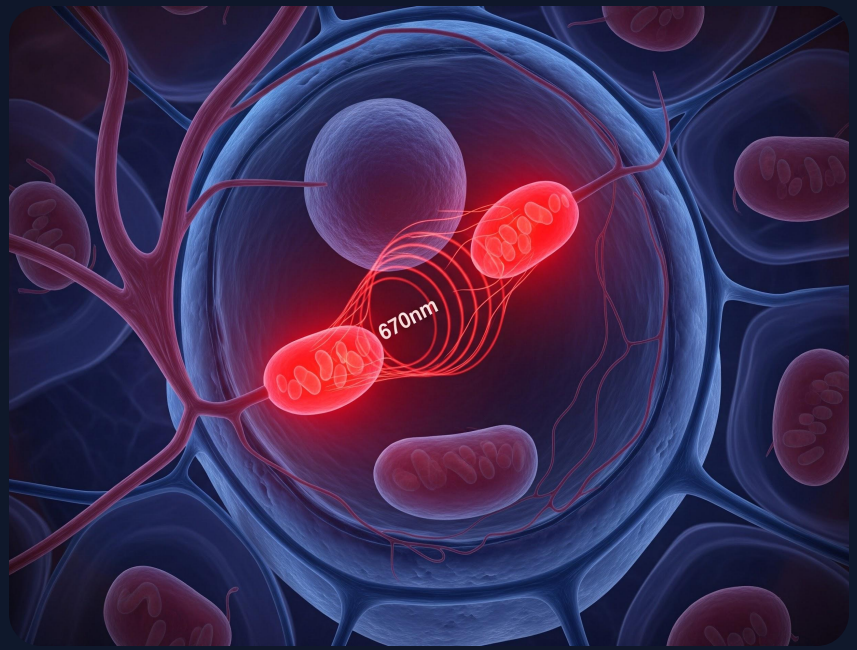
Emerging Training

Microvascular support and neuro-visual exercises to optimize brain-to-eye processing efficiency.

Therapeutic Interventions

Retinal Mitochondrial Stimulation

Combating the age-related energy crash through targeted 670nm photobiomodulation.



The Biological Mechanism

Cytochrome c oxidase absorbs deep red light to jumpstart ATP production, reducing retinal cell death and inflammation.

70%

Lifetime reduction in cellular energy (ATP)

+17%

Improvement in color contrast vision

Therapeutic Interventions

The AREDS2 Protocol: Gold Standard for Nutritional Intervention



Proven efficacy for retinal aging and dry AMD:

- Reduces risk of advanced vision loss by 25%
- Reduces risk of central vision loss by 19%

Standard Daily Dosage

Vitamin C
500 mg

Vitamin E
400 IU

Zinc
80 mg (or 25 mg)

Copper
2 mg (anti-anemic)

Lutein (10mg) & Zeaxanthin (2mg)
Filters blue light & forms macular pigment "internal sunglasses"

Safety Update: Replaced Beta-Carotene
Beta-carotene increases lung cancer risk in smokers; AREDS2 utilizes safer carotenoids for macular health.

Therapeutic Interventions

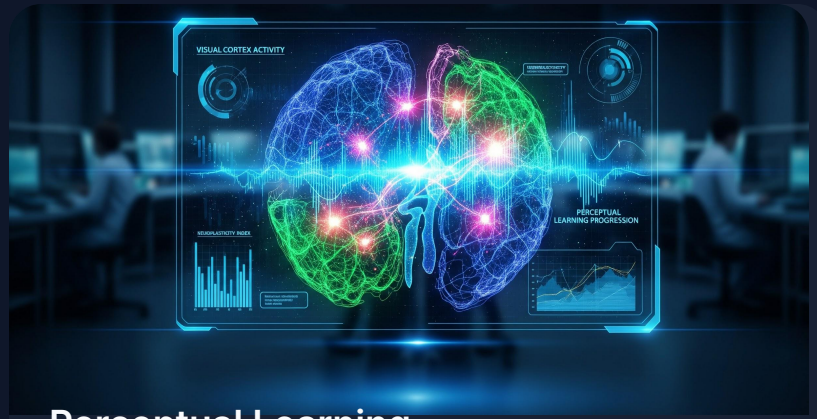
Microvascular & Brain-Vision Training

Beyond physical structures, science focuses on optimizing retinal blood flow and neural processing.



Vascular Optimization

Polyphenols (Mirtogenol) improve microcirculation and counteract sub-clinical hypoxia to preserve long-term acuity.



Perceptual Learning

Computer training programs re-train the visual cortex to process high-frequency signals, counteracting presbyopia.

Explore: RevitalVision | EyeReady



Nutrient Therapy

MIRTAGENOL

Vascular Microcirculation Support

Standardized Myrtle Berry Extract. A potent source of Myrtle Berry Extract. A potent source of polyphenols, providing critical microvascular support to optimize retinal blood flow and counteract sub-clinical hypoxia.