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Age related macular degeneration



- "It is a degenerative disease of the macula causing irreversible loss of vision"
- It is the most common cause of irreversible visual loss and blindness worldwide
- It mostly effect people after 50years of age.
- Incidence ranges from 9-25% at ages between 65 and 75 years .
- Macular area comprise only about 2.1% of the retina and the remaining 97.9% (peripheral field)remains uneffected by the disease.

Beaver Dam study 43-86 age - 11.1% of intermediate macular degeneration



Who is at Risk for AMD?

AMD is the leading cause of irreversible vision loss and blindness in persons over 65 years of age, the fastest growing segment of the United States population

Over a 5-year time span, it is estimated that 1 in 3 people over the age of 70 years will develop signs of AMD

Caucasians > African Americans Women > Men

What are the Risk Factors for AMD?

There are currently 5 specific risk factors that are strongly associated with the development of AMD:

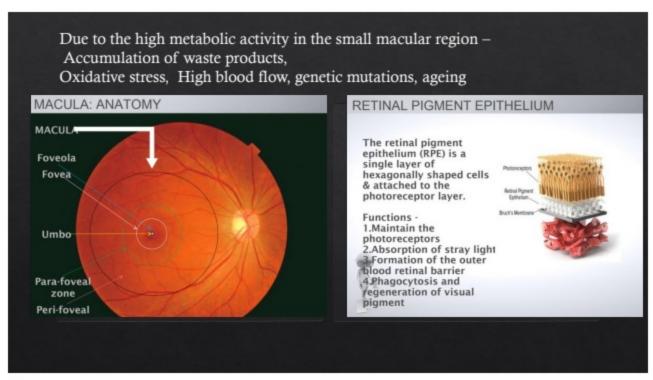
- 1. Caucasian Ancestry
- 2. Genetic Component
- 3. Hypertension
- 4. Aging
- 5. Smoking

(SO QUIT NOW!!!!)

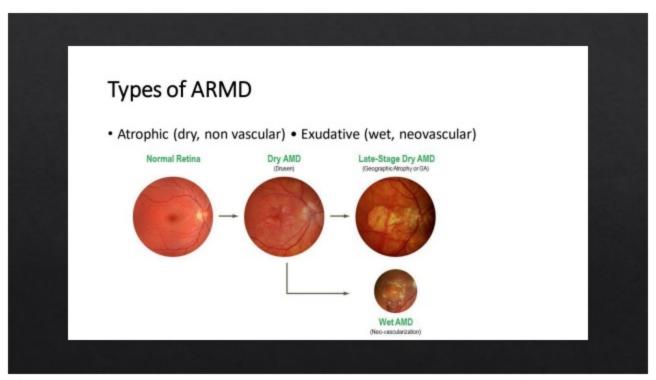


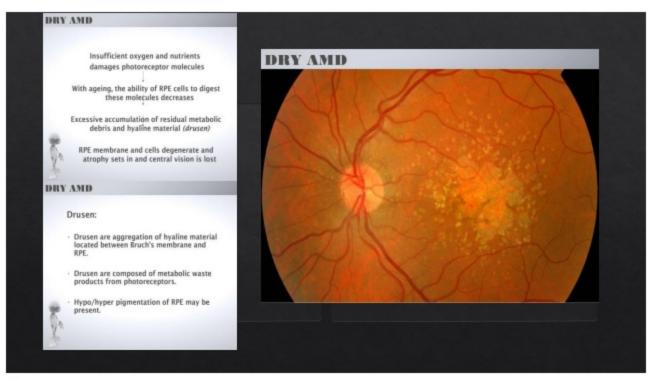
Lower risk in Black or African Americans and Asian decent have a much lower risk of AMD generally.

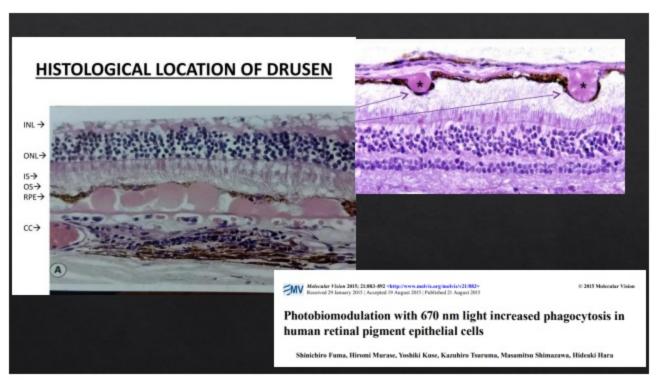
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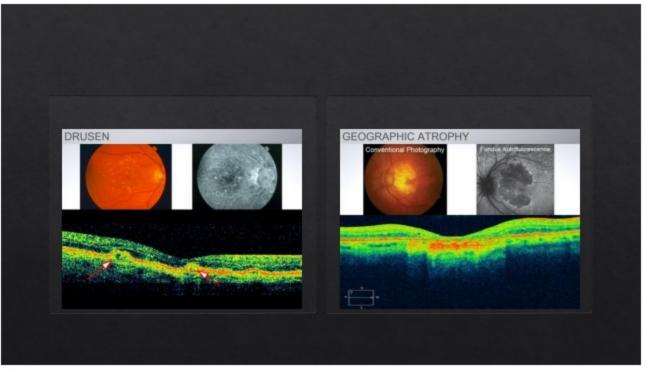


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Preventative Approaches for AMD

The AREDS formulation should only be taken when prescribed by a physician or a P.A.

AREDS is the treatment of choice for "dry" AMD Eating fresh fruits and dark green, leafy vegetables

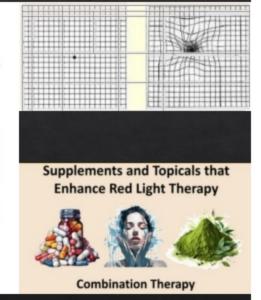
- Maintaining a low fat & low cholesterol diet
- Exercising regularly
- Wearing sunglasses with UV protection
- Avoiding exposure to second-hand smoke
- Getting an eye exam regularly







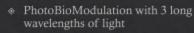




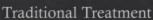
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What to do

New Treatment



- 2008 paper
- 2018 Launched Product Germany Europe
- 670nm, 760mn and 810nm
- Repeated 4 monthly
- Continue with vitamin Supplementation



- Dietary Advice rich in antioxidants, omega-3 fatty acids, and lutein, such as leafy greens, fatty fish, and colourful fruits
- Stop Smoking
- Protect eyes from bright sunlight "shades for the day - Children"
- AREDS 2 Vitamin supplementation
- Amsler distortion chart Near vision test - Macular test.
- 6 Monthly or yearly Eye test with OCT