Wet age-related macular degeneration (wet AMD)

Wet AMD (also known as neovascular AMD, or nAMD) is an eye disease that damages a portion of the retina called the macula. The macula is located in a region near the back of the eye and is necessary for sharp vision. Wet AMD leads to a loss of central vision and the ability to see things directly ahead.

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Two types of AMD

- **Dry AMD²**: Gradual worsening
- **Wet AMD²**: Rapid worsening, Abnormal, leaking vessels under the retina, Severe vision loss

Number of people with wet AMD

- Wet AMD: 178M in 2016
- Dry AMD: 288M in 2040

Advancements in the treatment of wet AMD

- **1980s⁶**: Laser therapy
- **1990s⁶**: Photodynamic therapy
- **2000s⁶**: First generation anti-VEGF therapy

Wet AMD Risk Factors⁴,⁵

- Smoking
- Older age
- Higher BMI
- Higher HDL-cholesterol

Anti-VEGF drugs for AMD

A drug that blocks the activity of a protein called VEGF,* which drives the abnormal formation of blood vessels that can leak fluid resulting in swelling of the retina

* VEGF: vascular endothelial growth factor

how does wet AMD affect the eye?

- Abnormal blood vessel growth into the retina
- Leaky blood vessels cause fluid buildup within the retina
- Macula (tissue in the back of the eye)

SEVERE VISION LOSS

MACULA

Smoking, Older age, Higher BMI, Higher HDL-cholesterol


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