Geographic Atrophy
A devastating and common eye disease due to AMD

Geographic atrophy is an advanced form of age-related macular degeneration (AMD). The gradual, continual and irreversible vision loss associated with geographic atrophy starts during late-stage AMD.1

Geographic atrophy results from the deterioration of the outermost layer of the retina where the light-sensing photoreceptors (rods and cones) are located. It also affects the retinal pigment epithelium (RPE), which nourishes the photoreceptors responsible for vision, as well as the tiny capillaries (choriocapillaris) that supply blood to that region.2

Vision loss due to geographic atrophy is irreversible and often takes place in both eyes.3

Pictorial of the retina typically resemble a map of the world, with oceans (healthy tissue) and solid yellowish land masses (dying tissue), which is why the disease is called “geographic” atrophy. Vision loss due to geographic atrophy is irreversible and often takes place in both eyes.

Images of the retina with progressive geographic atrophy

Symptoms
• Loss of central vision
  • Dark spots or blurriness in the visual field
  • Increased visual impairment under low-light conditions
  • Less sharp or detailed vision – a result of focal cell loss in the retina

Prevalence
Approximately 5 million people globally have geographic atrophy in at least one eye6

Risk increases with age: Globally, one in 29 people over age 75 are affected2,9, and increases to nearly one in four people over age 9010

What Can Be Done

Clinical trials: There are ongoing clinical trials underway for potential geographic atrophy treatments

Low vision aids: Patients can benefit from increased lighting, magnification and low vision devices that help with reading

Antioxidant vitamins11: Patients may delay disease progression with antioxidant vitamins and mineral supplementation

7. Sunness JS. The natural history of geographic atrophy, the advanced atrophic form of age-related macular degeneration. Mol Vis. 1999;5:25.