

MEDICAL BREAKTHROUGHS **RESEARCH SUMMARY**

TOPIC: RETISPEC DETECTS EARLY ALZHEIMER'S?
REPORT: MB #5112

BACKGROUND: Approximately 5.8 million people in the United States age 65 and older have Alzheimer's disease, eighty percent are 75 years or older and out of the fifty million people worldwide with dementia, between 60 and 70 percent are estimated to have Alzheimer's disease. There is no known treatment that can cure Alzheimer's or even alter the brain process of the disease and severe cases cause loss of brain function that can lead to someone not eating or drinking and leading to their death.

(Source: <https://www.mayoclinic.org/diseases-conditions/alzheimers-disease/symptoms-causes/syc-20350447>)

DIAGNOSING: Alzheimer's is a brain disease, and it causes a slow decline in memory, thinking and reasoning skills. Some warning signs with memory include memory loss that can disrupt your daily life, difficulty completing familiar tasks, trouble understanding visual images and spatial relationships or even new problems with words in speaking or writing. Some other symptoms of Alzheimer's include getting lost in familiar places, misplacing possessions or putting them in illogical locations.

(Source: https://www.alz.org/alzheimers-dementia/10_signs
<https://www.mayoclinic.org/diseases-conditions/alzheimers-disease/symptoms-causes/syc-20350447>)

NEW TECHNOLOGY: RetiSpec is developing new technology to detect Alzheimer's potentially years before any symptoms are even prevalent. While there is no current test that can confirm the actual diagnosis of Alzheimer's, RetiSpec's technology uses a device to perform a simple eye scan which is used to identify the presence of disease biomarkers in the eye and this technology also uses hyperspectral imaging techniques and AI-driven algorithmic methods to analyze the biomarker data.

(Source: <https://alzheimersnewstoday.com/news/retispec-gentex-developing-technology-detect-early-alzheimers/>)

FOR MORE INFORMATION ON THIS REPORT, PLEASE CONTACT:

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If this story or any other Ivanhoe story has impacted your life or prompted you or someone you know to seek or change treatments, please let us know by contacting Marjorie Bekaert Thomas at mthomas@ivanhoe.com