

Dementia Prevention, Major Discovery

Novel Technology Predicts Risk of Dementia

SAN FRANCISCO, CA, UNITED STATES, September 3, 2020 /EINPresswire.com/ -- A novel technology has been shown to predict the risk of dementia 3 years ahead of onset. These findings provide a new opportunity for personalized preventive strategies.

A team of academic experts, from 24 global institutions, conducted this 40-month, multinational study across Europe and North America in memory clinics, general practitioner offices, and home environments. This study was done to validate the digital biomarker technology from ALTOIDA Inc, a brain health company. These findings were published, August 2020, in the journal: *Alzheimer's & Dementia Diagnosis, Assessment & Disease Monitoring*.

Additional outcomes from this study include the ability to differentiate between people with, or without, amyloid brain pathology - and to predict a person's rate of cognitive decline.

COVID pandemic and resulting brain health issues make this technology particularly valuable for a number of reasons. It allows consumers, families and care teams to remotely monitor cognitive function over time and track any decline. Harris Eyre MD PhD, of The PRODEO Institute states "Rates of cognitive decline in older adults are likely increasing due to a number of issues. COVID-related social and physical distancing creates more social isolation, a known risk factor for dementia. Emerging evidence indicates that the virus directly harms the brain. Finally, when a person requires ICU care and ventilator support, cognitive function is compromised because of stress, oxygen deprivation, systemic inflammation and multi-organ problems. This underscores the importance of better identification of at-risk individuals and the need to devote specialized brain health resources".

Ioannis Tarnanas PhD, Founder and Chief Science Officer of ALTOIDA Inc, notes "ALTOIDA has the most precise identification of cognitive impairment and the early identification of an individual's path toward cognitive impairment (e.g. Alzheimer's Disease Dementias). Early identification is the trigger for prompt and effective mitigation. ALTOIDA's scoring products and services enable an unmatched level of data acuity in making a quantifiable assessment of an individual's cognitive and functional capabilities with ongoing monitoring and progression tracking."

This peer-reviewed and published study validated ALTOIDA's digital biomarker-based prognostic models. It characterized subjects using digital biomarkers in a longitudinal, multi-site, 40-month prospective study. A total of 496 individuals, either cognitively normal or diagnosed with Mild

Cognitive Impairment, were involved in this study.

For further information, please contact ALTOIDA Inc at mark@altoida.com

Publication details

Buegler M et al (2020) Digital biomarker-based individualized prognosis for people at risk of dementia. *Alzheimer's & Dementia Diagnosis, Assessment & Disease Monitoring*. Online. DOI: 10.1002/dad2.12073. <https://alz-journals.onlinelibrary.wiley.com/doi/full/10.1002/dad2.12073>

About ALTOIDA Inc

ALTOIDA Inc is a brain health technology company with a proven technology offering the most precise identification of cognitive impairment and the early identification of an individual's path toward cognitive impairment (e.g. Alzheimer's disease and other dementias). Early identification is the trigger for prompt and effective mitigation. ALTOIDA's scoring products and services enable an unmatched level of data acuity in making a quantifiable assessment of an individual's cognitive and functional capabilities with ongoing monitoring and progression tracking. ALTOIDA's products and services are backed by peer-reviewed publications, multinational clinical trials and an expert team of scientists, clinicians and informaticists. ALTOIDA Inc is funded by M-Ventures, Hikma Ventures, GreySky Venture Partners, FYRFLY, Alpana Ventures and VI Partners. For more on ALTOIDA, see <https://altoida.com/>

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