

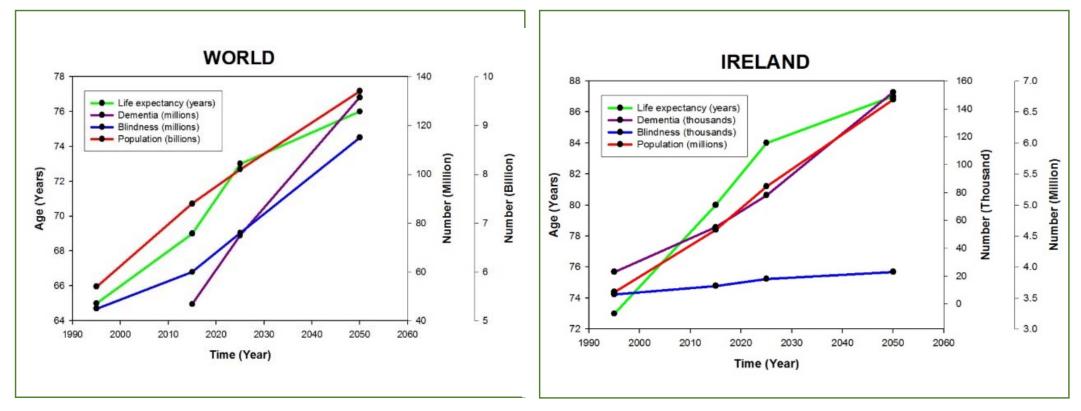


The first proactive intervention for dementia & Alzheimer's



The ageing population





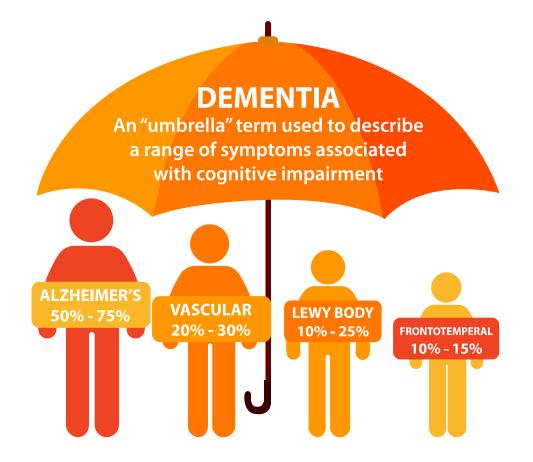
Ref: World Health Organisation; Central Statistics Office; Alzheimer's Society of Ireland; Green et al 2016.

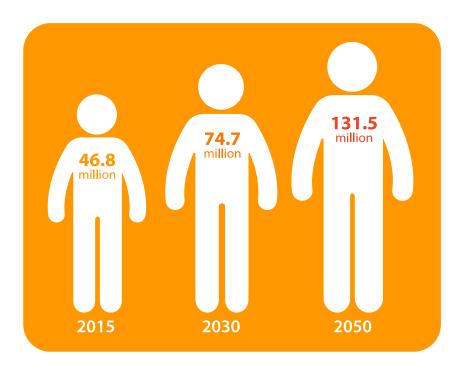
More people than ever before, living longer, suffering from more degenerative diseases. Our cells simply stop working as well as they should.

Dementia Worldwide

- 55 million people worldwide with dementia
- >10 million new cases each year
- One diagnosed every 3 seconds







Dementia in Ireland



- > 64,000 people living with dementia in Ireland, will more than double in the next 25 years to over 150,000 by 2045.*
- 11,000 new cases of dementia each year. (at least 30 people every day and anyone can get dementia – even people in their 30s/40s/50s.**)
- 65% of people living with dementia are women
- It is estimated that up to 40% of dementia worldwide is preventable
- Overall cost > €1.69 billion per annum
 - 48% family care
 - 43% residential care
 - 9% formal health and social care

*Figure referenced from Alzheimer Europe (2020) Dementia in Europe Yearbook 2019 'Estimating the prevalence of dementia in Europe' **Figure referenced from Pierce, T., O'Shea, E. and Carney P. (2018) Estimates of the prevalence, incidence and severity of dementia in Ireland.



What is Alzheimer's disease?

- Complex & multi domain
- Continuous and progressive
- Effects
 - **Memory** can't remember yesterday
 - Language I can see the words, but they just won't come out!
 - Everyday activities lose the comfort of knowing how to do simple day tasks
 - Recognising objects & people who is that person sitting in my kitchen?
 - **Behaviour** cranky & aggressive

"I don't get to chose what yesterdays I get to keep or which I won't remember"



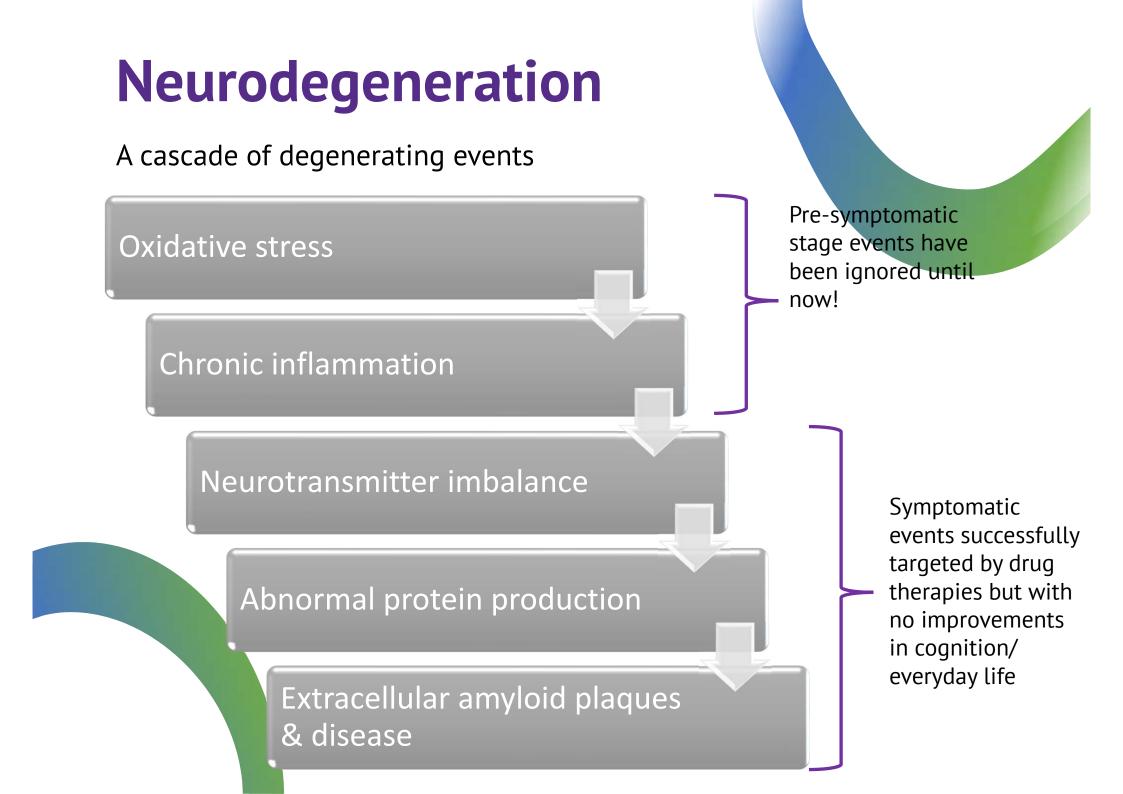
Risk factors for Alzheimer's

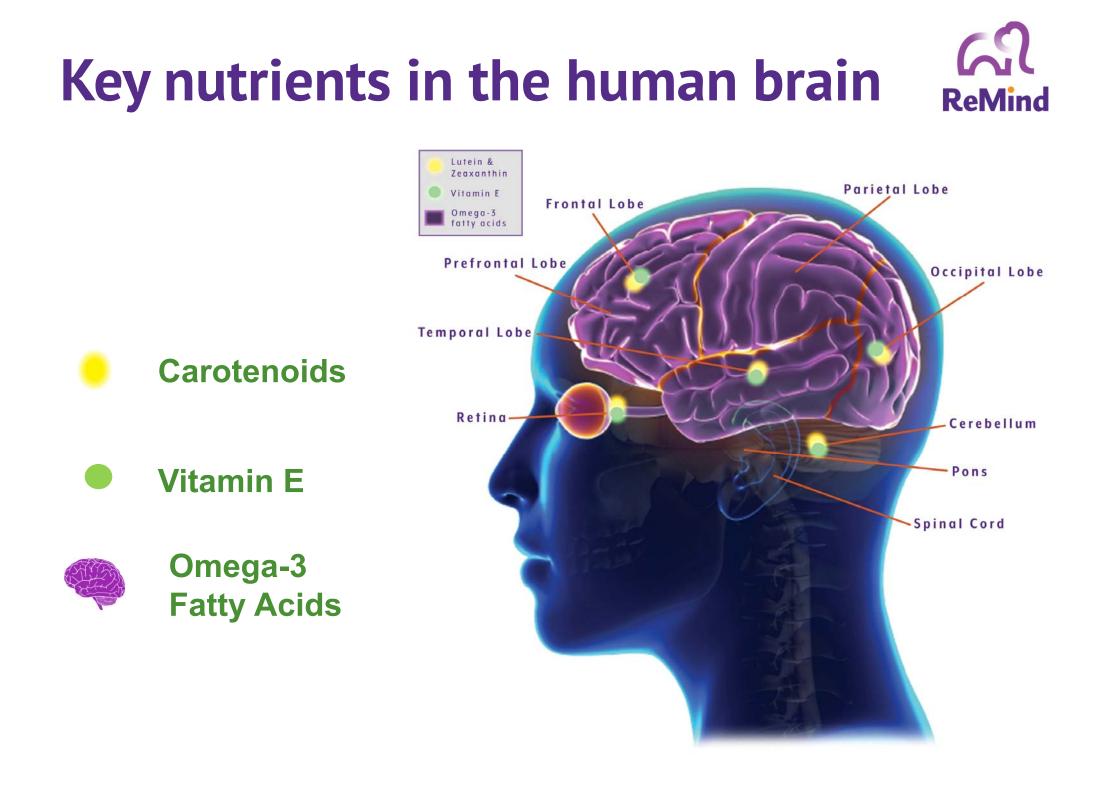
Irreversible

Ageing Gender Head injury

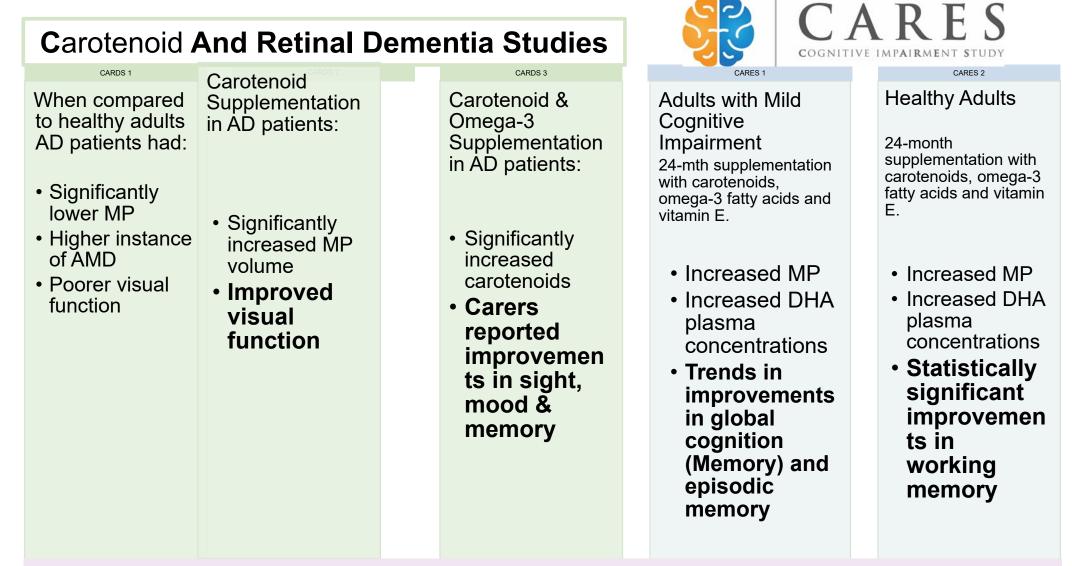
Reversible

Nutrition/Obesity Smoking Physical inactivity Excessive alcohol use High blood pressure Social isolation Diabetes Education





NRCI Clinical Trials: Targeted Nutrition & Cognition (Memory)



ReMind

Collectively, these findings point to the important role of nutrition for enabling older adults & the ageing population to age healthier, live independently for longer and enjoy an enhanced quality of life

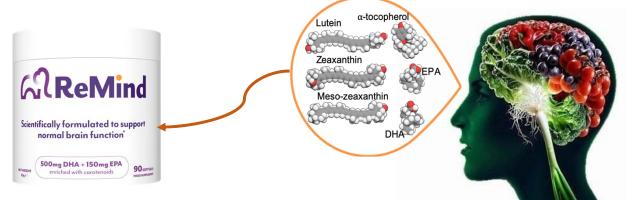
Targeted Nutritional Supplementation for Patients with Alzheimer's Disease





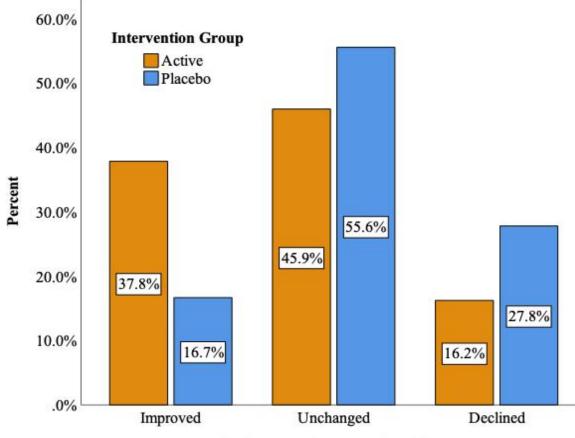
Can supplementation with carotenoids, fish oil and vitamin E affect the natural progression of Alzheimer's disease (AD) in adults with mild to moderate cognitive impairment?

- 24-month double blind, placebo-controlled study
- Confirmed CARDS3 findings <u>- Improvements in memory and quality of life</u> for participants on the active intervention
- Solution for treating the pre-symptomatic stage of oxidative stress & inflammation with <u>improvements in cognition (Memory)</u>



Observed change over time in disease severity

MMSE category



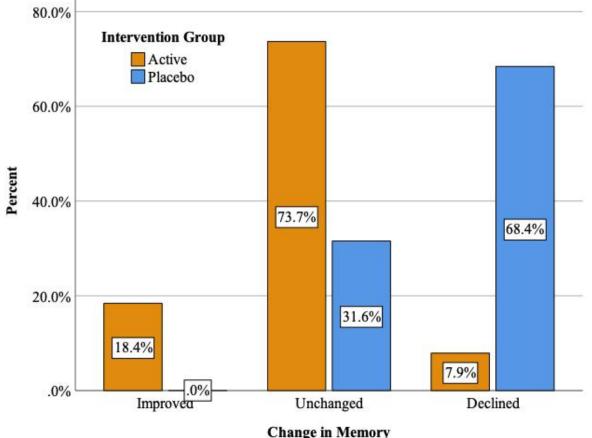
MMSE Category Outcome after 12 months

- A trend towards a sig. improvement in MMSE category was observed among individuals receiving the active intervention (p = 0.074).
- Of the 14 individuals that exhibited an improvement in MMSE category after 12 months, 9 moved from a mild to normal MMSE category and 5 moved from a moderate to mild MMSE category.

Observed change over time in collateral memory

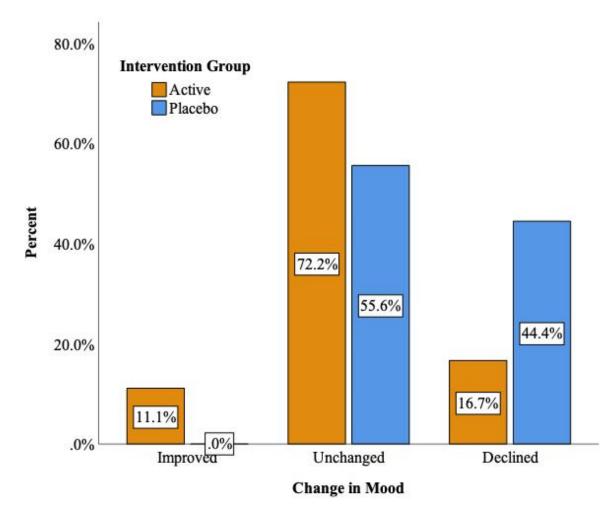


Clinical collateral memory after 12 months



 A statistically sig change in clinical collateral memory score was observed after 12 months between groups (p < 0.001).

Observed change over time in collateral mood ReMind



Clinical collateral mood after 12 months

 A change in clinical collateral mood score was observed after 12 months, and this difference exhibited borderline statistical significance between the intervention groups (p = 0.055).

Case Examples

Unchanged



Question: Have you noticed any change in Memory (i.e. Same; Worse; Better)?Answer:Memory has not deteriorated over the last year. Family are happy thatable to manage household withMemory her husband.

Question: How are they managing every-day activities: specifically getting dressed, making a cup of tea, cooking, grocery shopping)?
 Answer: Can attend to personal hygiene independently and attends to most household chores. Does all the cooking and goes shopping accompanied by daughter in law.

Question: Has there been a change in personality; specifically agitation, mood, sleep?
 Answer: No change in personality. Mood generally good. No sleep pattern.

Case Examples



Improvement

Question: Have you noticed any change in Memory (i.e. Same; Worse; Better)?
 Answer: Generally much improved since last year. All family agree, able to converse freely on phone with them. Improvement noticed.

Question: How are they managing every-day activities: specifically getting
dressed, making a cup of tea, cooking, grocery shopping)?Answer:Great, alsoMarkInow does all cooking and shopping.

Question: Has there been a change in personality; specifically agitation, mood, sleep?
Answer: Mood good. No sleep problems now.



ReMind

Scientifically formulated to support normal brain function^{*}

500mg DHA + 150mg EPA

enriched with carotenoids

90 SOFTGELS

FOOD SUPPLEME

Delivers a targeted daily dose of:

- 500mg Omega-3 DHA
- 150mg Omega-3 EPA
- 15mg Vitamin E
- 10mg Lutein

NETWEIGHT

63g @

- 10mg Meso-Zeaxanthin
- 2mg Zeaxanthin

Supporting Brain Health at Every Age

- ✓ Developed in association with Prof John Nolan & SETU
- Supported by peer-reviewed published evidence
- ✓ The formulation used in the reMIND Alzheimer's Clinical Trials
- ✓ Patented for the prevention/treatment of neurodegenerative disease
- Supplement Certified approved for label claim, quality, shelf-life stability
- ✓ 3 capsules a day with food

ReMind

Scientifically formulated to support normal brain function*

500mg DHA + 150mg EPA enriched with carotenoids 90 sortess

SUPPLEMENT

CERTIFIED